

# Secure trading in all types of stock markets and Forex

5th Edition

Introducing SM01Forex Robots

Version 500



Saed Modarresi

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*A good deal means good profit for yourself, the broker and all the people of the world*



*A good deal means: good profit for yourself,  
broker and all people of the world*

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## Introduction:

Hello;

A few years ago, I was offered to build a robot for the Forex market that offers trading opportunities based solely on a pattern and an indicator.

I was fully familiar with the National Stock Exchange (TSE) and had achieved a lot of success because of the software I had built to analyze it, but I had no knowledge of Forex. so, on the one hand, I tried to learn the rules governing the international and large market, and on the other hand, I became familiar with the MQL5 programming environment based on the MetaTrader5 platform. Although I had three decades of professional experience and programming at the national level, I soon realized that despite MQL5's many similarities with the C++ programming language, I was practically faced with a different and very fragile and strong environment. Especially robots that work on the vast and powerful MetaTrader5 platform with a strong MQL5 programming language are actually real-time and sensitive systems that are vulnerable to system and environmental threats, such as hardware failures, late responses from servers, etc. there are many faced. This was while I was preparing a high-performance robot and endless activity. Many times, in my mind, I compared these robots to real-time systems embedded in Boeing aircraft, and in my opinion, these robots are just as important.

Finally, during a few years of round-the-clock work and after building some independent robots, I succeeded in building the SM01Forex robot. In fact, the SM01Forex is not a robot, it is a collection of several robots or a "super robot". Although this super robot is of great importance in terms of operational power and independent trading, its real importance is because of the type of thinking and thought governing its design principles. In fact, the main purpose of compiling a book to describe the robot's performance and its practical guide is to practically convey the new and pristine concepts that have been created over the past few years.

During this time, in addition to studying books, articles and programming codes from different sources, I talked to professors, Managing Directors of some companies and even bankrupt people, and gained a lot of information. On a trial and real conditions, I also worked with several international brokers. Considering that I had gained good, effective and definitive experience in a national stock market, from the very beginning, I planned the robot in such a way that in addition to the international Forex market, I also analyzed and offered to trade on the TSE stock exchange. Thus, I was able to repeatedly compare and evaluate the robot's performance with the actual and successful examples that I had previously extracted using other mechanisms, and achieve very valuable results.

But the large international forex market differs greatly from a local or national stock market. Therefore, I added the advanced rules that exist only in Forex to the robot. Strangely, with the increase

in forex analysis mechanisms, the performance of robots in the national stock market also increased significantly and the accuracy and reliability of its proposals increased more than before.

The story didn't end there because restrictions on a national stock market, with its own cyber conditions and bottlenecks, caused robot codes to be repeatedly changed so that it would not be interrupted and more efficient. Strangely, here: Changes made solely to fix the systemic problems of a local market had a tremendous impact on the operating returns of robots in the international Forex market. In fact, there are some problems with servers and cyber systems of a regional stock market, in a transient and hidden way, in servers and equipment of international brokerages, but due to the speed of internet communications or stronger equipment, it is less common.

That's where I learned another important point: Reliable forex techniques and tools are techniques and tools that have proven effective in a few similar markets, with different ranges and abilities.

### **Political frontier of countries, geography map, global economy:**

This project showed me that there is a mutual and constructive impact on the exchange of information between the Third World and the First World. In fact, the techniques that once transformed developing Third World countries into first-world countries, if it operates only one-way and forward, will continue to have a typical and stage-by-step successful process, but I found that if we re-apply the same developed techniques, in developing countries and the so-called Third World, this time we will see a rapid increase in the development of the same techniques. In other words, an accelerator mechanism or increased efficiency occurs something like the mechanism of increasing efficiency in the combined cycle of power generation or turbocharged power plants in engines of vehicles and aircraft.

During this grueling project, I have repeatedly seen the mutual impact of cooperation between the Third World and the First World, and I have found that political boundaries exist only on geographical maps and textbooks, and that the world of technology and economics has not been confined to these boundaries for years, and they make most of these borders invisible day by day.

### **Progress in the Third World:**

In order to make the robot versatile with brokers who at the same time make it possible to work on Forex Symbols along with local and national stock market Symbols, I had to check out a few other brokers. I even looked at the brokerages and stock markets of the GCC countries. The brokers in eastern European countries who operated relatively well and had informal representatives in my country were also not far-off. I talked to some people. I dealt with other problems, but I didn't stop. I thought to myself: When World War II ended, what had happened to London (the Capital of England)?

The city was a dilapidated city, but now it has progressed so much that it is one of the main regional forex centers. I asked myself: What view made the shareholders of factories that had no left but the earthly hill, shareholders and capitalists who had lost almost all of their assets, just a few years later, were able to quickly rebuild everything and today, as the first world, take the lead in the economy? Or even Tokyo (the capital of Japan), which suffered more damage than other countries in World War II, today, like London, acts as another major center of the Forex market, and has advanced like this.

At the time, these countries had far worse conditions than the current Third World countries, but they took the way in which a group of Third World countries are now successfully ahead. The truth is that third-world countries are divided into two groups: "developing countries" and "backward countries". The general culture of the people and their rulings in developing countries has progressed to such an extent that firstly, they have understood and accepted the existence of weakness and underdevelopments in their country's economic structure, and secondly, public awareness has increased so much that the people and the ruling power have willing to actually develop the country in different dimensions, especially economic infrastructure. Something like the view that existed in Japan and The United Kingdom right after World War II. Some of these countries, looking closely at global economic standards, have established international currency regulators in principle, and governments have also provided international guarantees for the creation of regulators. But the second group of Third World countries are those that remain lagging behind, and there are virtually no real development indicators. Public awareness and the will of the group's rulings has not yet increased for a variety of reasons.

In this project, I found that economics and technology do not know borders. I'm talking about those who have God-given talents and expert vision and sufficient will, but for whatever reason they live in third-world countries, especially those in the second group of these countries. My advice to them is as follows:

To turn threats into opportunities, use the smallest possibilities available, and each one, think of yourself as a country. In the field of economics, the profitability of each component means an increase in the profits of the entire world. Stock markets, especially its global markets and Forex, are markets where useful competition can be found. In other words, profiting in these markets does not necessarily mean another loss, but a good deal can increase public income in addition to the profits it brings to the individual.

Currency is not a commodity, but a value created by the net national industrial production of a country. Its increase and decrease are relative and, in both cases, it can increase income and economic opening in different areas. So, a good deal is a deal that benefits the individual and the whole market. Indexes, indicators, oscillators and patterns are tools for discovering these

relationships. Although these instruments have found a special analytical position in the global and Forex markets, the reality is that these indicators are also highly efficient in local markets. Just provide them with the natural trend of the market regardless of local guidelines, laws and restrictions. For example, restrictions on the ceiling and floor of the increase or decrease in the price of Symbols on the local stock exchange are an unnatural issue for the market, imposed by local laws. The difference in end and final prices affected by floating stocks is also a factor for a specific and local withdrawal of stock prices that should not be considered in technical assessments based on natural trends.

I tell people living in the Third World, especially in the second group, the backward countries: don't assume that there is nothing anyone can do because of irregularities in the laws or even the lack of fixed rules for the market, but to know that all these irregularities and unsecond iced decisions that have repeatedly kept the market of these countries in instability are, in fact, an order. By studying the greater time frames or the view of time continuity, you can understand this "order of irregularities" in your own country.

In the «**Natural Trends:**» section of this book, it is explained how having advanced facilities and equipment has a tremendous impact on the analysis and predictions of this robot, but the truth is that I created this robot before writing this book, with the least equipment, in the narrowest possible conditions. The conditions that it was not even possible to obtain a Visa credit card in a legal way because certain global restrictions had prevailed on the country in which I work and live, Despite all the limitations, I researched and worked tirelessly, programmed and arranged several experiments to achieve a desirable percentage of success.

If you, in such difficult circumstances, try and provide a proper analysis, it will certainly be very effective to reflect it in the main and transnational markets, because practically you have seen and managed rare and rare modes of trading that are less visible in developed countries.

In other words, I suggest that you operate at the same time in the local and limited market of your country and the vast global market so that both markets, using your unique experiences, will be promoted, remembering that our interests are the interests of all and the public interest, i.e. a better and more profitable market for ourselves.

Saadia is a famous poet who said a few centuries ago:

**Human beings are members of a whole      since in their creation they are of one essence.**

**Transfer experiences or increase knowledge:**

At the same time as the project progressed, I made the results of the analysis on several sites available to the public:

<https://www.mql5.com/en/users/heartrefine/blog>

<https://www.linkedin.com/in/HeartRefine/recent-activity/shares>

<https://www.reddit.com/user/HeartRefine>

<https://twitter.com/HeartRefine>  
<https://www.facebook.com/HeartRefine>  
<https://www.facebook.com/HeartRefinePage>  
<https://heartrefine.wordpress.com>  
<https://www.instagram.com/heartrefine2>

I got an interesting result: people's feedback and their thoughts, even at the lowest levels, in addition to increasing motivation, opened my eyes to new horizons. Calls increased. Emails, conversations on social media, in-person visits and telephone talks made me familiar with the expectations and views of others around the world. In order to correct their intellectual errors and wrong decisions, I have repeatedly had to interpret the concepts and thematic relationships for them, but almost every time, something added to my knowledge. Some, as experimenters, using their limited facilities, continuously pressured non-commercial and restricted versions of the robot and provided the results. In this way, I was able to test the robot's performance on different devices and different speeds in internet connection.

These ideas not only caused me to find out the drawbacks of the work, but also to bring to my mind a multi pans of new ideas, so that an ordinary person, with very little resources, could use other minds and equipment extensively.

This exchange of information also benefited them, as they also gained more awareness and experience in analyzing the stock market.

### **Everyone knows everything.**

The motive for compiling and publishing this book is precisely the same. Now, by reading this book, you will achieve years of efforts by other human beings with a different perspective. New ideas will come into your mind and you will make better deals. The market, with every single one of you trading, will prosper more and mutually profit it will return to me as well.

### **Editions:**

After the publication of the first edit of this book in 5 December 2020, it was not long before A flood of questions was sent to me by those interested. This led me to prepare and publish another part of this book.

The second edition (18 March 2021):

In the second edition, in addition to adding new headings, the contents in the chapters contained in the previous edition were also completed, and some images were optimized.



New items are also included in the "SM01Forex" robot guide. Explaining that in the first edition, the features of the SM01Forex robot were addressed to the version number **474**, but in the second edition, according to the needs of the Stock and Forex markets, the robot was upgraded to new features, and now, the second edition of this book is the guide for the SM01Forex robot to the **484th** version.

The third edition (7 May 2021):

Later on, based on new ideas, the possibility of developing 3D calculations and more effective predictions, new versions from the robot were created. A dramatic increase in estimates and optimal estimates in "Range" section practically led to an increase in the number of compulsory primary and final controllers. In fact, an important condition for investigating the "Range" mode was the rejection of the "Trend" mode, which was implemented in the third edition of this book based on the version of **497** robot, and accordingly, the tables and guides of this book were completed.



Furthermore, in the third edition, a new issue about "The size of the trend slope angle", which has a special characteristic, is a response to some of the uncertainties of several years of professional analysts.

It should be noted that during this period, the "MetaTrader5" platform was also upgraded. Some of the features added to this powerful software also increased the capabilities of the "SM01Forex" robot. So, some of the new features that have been added to this robot were due to the new possibilities that "MetaQuotes®" has contracted to programmers and developers of this robot.

The 4th edition (31 July 2021):

In the fourth edition, in addition to increasing the rows related to the tables setting the starting parameters of the robot and completing images (proportional to the 499 version), some explanations about the high-risk times for order registration are presented.



Also, important topics such as "suspected trend" and calculation of "hope for trends" were added.

In this edition, indexing was revised and the primacy and end of the content were rearranged in such a way that the audience could better and more easily follow the principles and techniques.

The 5th edition (03 July 2022) -This book:

In the fifth edition, rows of tables setting the starting parameters of the robot increased and the images (proportional to the 500 version) were completed.

The very important issue of "intelligent (and perhaps profitable) withdrawal from loss-making transactions" was added to the contents of the book.



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It was also explained about the transactions of "Scalp", "Twin Scalp" and the "Hedge Trailing" mechanism.

Another important and fundamental feature is the predictive turning combination based on regression calculations with previous estimation mechanisms. The main difference between regression calculations in this Robot and regression calculations in other articles and robots is due to input data to the main regression arrays because this data is, in fact, weighted prices per frame of each time frame, for each Symbol.



In this edition, not only more explanations were provided about the "weighted price of the frame", but also the method of calculating the "speed of change in the price of the Symbol" and its application was also described.

Saeed Modarresi

03 July 2021

## The illusion of shadow in Candle's image is an opiate:

When I entered the world of analyzing Symbols and trading charts, I soon realized that the pillars of this world were captives of deep intellectual deviations and modern superstitions. Just like some of the backward human tribes and societies, they have kept themselves and their later generations in superstitious beliefs and unrealistic notions of the peripheral, frozen and stagnant world for centuries!

Those who are equipped with the knowledge of the day, with just one view of the superstitious and backward tribes, quickly realize that these communities, surviving from the tumultuous history of human civilization, are still stuck in the viciousness of deviant beliefs. Today, we are well understanding that the origin of captivity of such societies is false and superstitious beliefs in the basics and irrationality of their definition of the basic concepts of life, the enemy, the world and life (i.e., incorrect worldview). The result of such a far-fetched view of the truth has always been, always, wrong decisions, the enactment of laws and social rules, the evocative in relation to other communities, and even the long inter-tribal wars.

Now, in this era, right at the center of the calculations of the trends in local and global economies, I witnessed the same ignorance, but in a modern way. Although there was no cannibalism here, I saw a lot of analysts who, based on incorrect initial definitions, have been heavily captured by illusions that in a local and regional market, the change in the trend of price of a Symbol was due to rent and deep and widespread corruption, but even a moment into the fundamental deviation of their thought in the initial definitions of charts, Candles and Time frames, they didn't think. When I asked for their logical reasons, they provided examples, however real, but in fact, outside the principles of scientific analysis, often related to illegal transaction violations by individuals and legal entities. In fact, they used examples to prove a specific subject, whereas logic does not accept such proof. According to logic, the application of examples, in such cases, is to violate a case, i.e., to reject a claim, it is enough to provide only one example of violation, but if thousands of examples are given, they cannot be used to prove a theorem. I, unfortunately, witnessed, like the same treacherous, backward cannibalistic tribes attacking their adjacent tribes only because of a misconception and schizophrenia, these people, in the heart of today's advanced world, when they saw the trend of price change, based on extensive analysis and calculations, based on indicators, patterns and Fibonacci, contrary to what they had anticipated, Instead of doubting their basic definitions, immediately attacked legal and legislative centers, specialized associations and even brokerages, accusing them of renting and colluding. To prove their hypothesis, they also presented a multitude of detected violations and crimes that were revealed in transactions, or longstanding flaws in the laws of the state in the field of commerce, or repeated changes in the decisions of the authorities and organs headed by the stock

markets. That is, they made incorrect and repetitive conclusions from real and true data. Of course, this illusion of conspiracies is not limited to regional markets, but in other words, in the global and Forex markets, it is formed in a different way, in a way that sometimes creates ripples and instability, causing losses to healthy traders or even, large and reputable financial and credit brokers and institutions!

Yes, there are really legal defects, rents, violations, economic crimes and money laundering in different societies, so we are constantly seeing new laws in the parliament of countries and even international authorities to prevent them, but these ugly and unfortunate cases cannot be a reprieve to the fundamental deviation of analysts when predicting market trends or price changes of a Symbol.

Many times, I have tried to explain to them that the existence of such defects is merely parameters for fundamental analysts, and we should not consider our mistakes in estimating the trend of future price changes as a result of such problems when technical analysis.

In my opinion, the technical analyst is an artist expert. His most important art is to see, in our words, the software engineers, the inner parts and routines of a "Black Box" test, and not beyond, without denying the existence of such events and anomaly factors.

After I found out that such an incorrect procedure was happening repeatedly, I tried to correct it. But it wasn't easy because, just like a drug, it had caused analysts to be unable to investigate it, even though they felt it was a problem. Given that the main effect of a drug on the mind of an addict is similar, I tried to use the knowledge and facilities I had at my disposal to keep my mind as far away from this addiction and ideological deviation as possible.

Decades of programming experience and the construction of large systems in a country for me, in a country where due to limitations and exclusions, even in large software projects, often computer programmers, they have to do in addition to the task of coding, analyzing the system, I have to stay immune from that addiction. Therefore, I reassessed the fundamental data and initial definitions of technical analysis knowledge in stock markets, Forex and cryptocurrencies. Naturally, the first issue that caught my attention was the incorrect definitions and deviant notions in drawing Candles and, as a result, the embodiment of false and delusional forms for analysts, especially novices. I regretted when I realized that there was an illusion called "Shadow" in the misrepresentation of the Candles and the result was the presentation of strange theories of patterns.

### **Make changes to the drawing of the Candles:**

Let's see traditionally, for a Symbol, in a given time frame, how a Candle is drawn: To draw a Candle, four price components called "Open", "High", "Low" and "Close" are used, which are briefly

called "OHLC". In order to understand the flaws in drawing the Candles, we need to define these four components according to one frame, in a hypothetical time frame:

Open: The first traded price is after the frame starts.

Close: The last traded price is before the end of the frame.

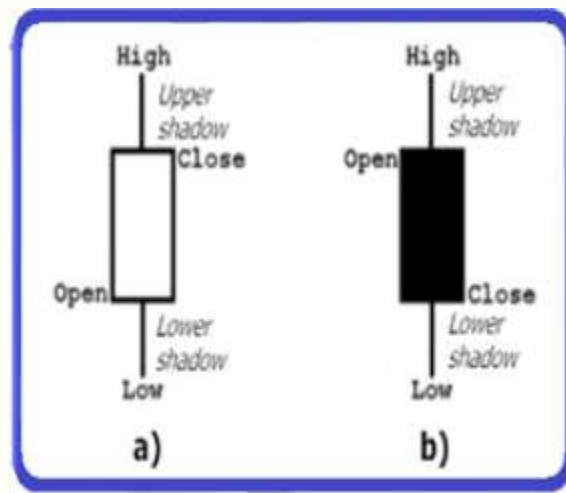
High: The highest price traded between the start and end of the frame.

Low: The lowest price traded between the start and end of the frame.

If we look at the definitions of these four components, we find that "High" and "Low" prices can be used in forecasts without any doubt. In fact, these two components clearly represent the price fluctuation range of a Symbol in one frame.

But the prices of "Open" and "Close", merely describing an event, are among a large number of similar events. In fact, these two components tell us that:

Two transactions have been made among the masses of transactions made in this frame, at these two specified prices.



These two ordinary components, in the traditional and common view, form the body of Candle, and analysts use them to determine whether a Candle is descending or ascending. That is:

If the price of "Close" exceeds the price of "Open", it is a sign of an incremental Candle.

If the price of "Open" exceeds the price of "Close", it is considered a sign of a diminishing Candle.

Perhaps the root of this thinking goes back to when the regional stock markets, at the beginning of each trading day, for each Symbol, considered the first transaction as the criterion for the price of that Symbol, and the price of the last trade, indicating the increase or decrease in the value of the shares of that Symbol, during a trading day.

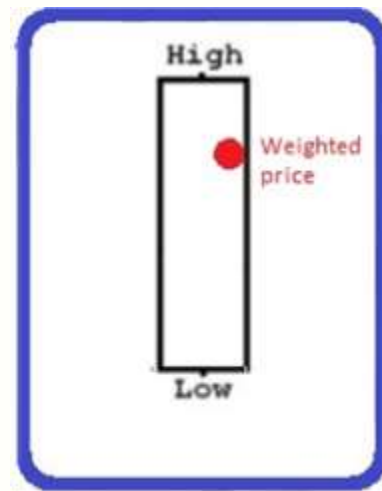
Such conclusions, in regional markets, sometimes seemed more justified by imposing legal and approved restrictions. For example, markets that impose a percentage limit on price change per day for Symbols, on the market and traders, or markets where trading prices are combined over a trading day with factors such as "Percentage floating stocks", etc., create a kind of "Closing price" and use it as the most important factor to determine the price range of the next trading day, practically justifying the importance of fate, the instrument of the price components is "Open" and "Close".

Considering that the price components "Open" and "Close" were of great importance as the "main body of Candle", and the price components "High" and "Low" were also placed outside the two price components "Open" and "Close", the gap between the price components "High" and "Low" with the main body of Candle was called "Shadow".

Acceptance of such an argument actually led to the construction and development of different types of indicators and patterns in the daily time frame, and willingly or unwillingly, these relationships were extended to other time frames.

The truth is that during the lifetime of a frame, there are many times of trading whose price is definitely between the price components "High" and "Low", but they do not necessarily fall between the two price components "Open" and "Close".

As a computer programmer, I extracted information about all transactions made in one frame, for different Symbols and in all time frames. When I used the bulk of the information obtained to calculate the "Weighted price of the frame" (i.e., the price obtained by calculating the weight of all trades made in a frame), I found that in many cases, the "Weighted price" does not fit inside the main body of The Candle. That is, the focus of the vast majority of traders was on the price, outside of the price components "Open" and "Close". Although I needed strong computers to do this calculation, especially in large time frames such as Daily, Weekly and Monthly time frames, I found other determinants that were also effective in creating "Weighted prices" by continuously improving programming algorithms and spending a lot of time and patience, over months of research, and I was surprised at other determinants that were also effective in creating "Weighted prices".



So, I decided to change the image of the Candles from now on so that in addition to the price components "High" and "Low", a much more important price component called "Frame weighted price" is shown. As can be seen in the figure, not only have the price components "Open" and "Close" been ignored, but "Shadow" has also been removed. In other words, the Candle body encompasses the entire distance between the two price components "High" and "Low", and the position of the "Weighted price" component, as the center of gravity, inside the space of the Candle's body is shown.

When I paid attention to the multitude of articles, tutorials and speeches, I found that: Really, the decisive impact of the center of price gravity of each Symbol, in every frame of all time frames, was ignored in all analyses consisting of different types of indicators, oscillators and patterns. The

more I extracted in-depth information and deep data and contracted them more in weighted calculations of frames, the more I noticed the fundamental mistake of all the analysis in the global markets (Forex and Cryptocurrencies) and regional stock markets. Of course, in regional markets where unnatural restrictions were imposed on the price setting process using local laws and approvals, the situation was more deplorable because the fundamental error caused by indicators, oscillators and patterns, within the phony percentage range of daily price fluctuations, was completely hidden, and local analysts used specialized and interesting phrases and words such as "entry point", "exit point", "Pivot", "movement and reform". And so on, unwittingly, they had helped to hide the focus point of trading per frame.

### The magic of a single point:

The center of gravity of a Candle based on the "Weighted price of a frame" is, in fact, a magical point. A point that, regardless of many ambiguities, can easily reveal the trend direction of changing the price of a Symbol per time frame. If we make this magic point the successor to those four disproportionate precious components, we have opened a great gateway to a world of truths. But another feature of this point is its multidimensionality.

This magic point is not merely a price component, similar to other prices visible on the chart. Each point in the chart, proportional to the Candle mentioned above, represents four price components known as "OHLC". If we place the mouse pointer on a frame of the main chart, in the lower right corner, the MetaTrader5 terminal, the "OHLC" digits, along with the other two components (time and volume), appear. In fact, there are two dimensions for each point, everywhere: The precious component and the Time. Of course, Time displayed in this section, it refers to the moment the frame starts.



The magic point of the Candle's center of gravity is a weighted price related to the entire transaction and the hidden and overt internal activities of a frame. That is, frame size plays an essential role in increasing the constructive events of this "Weighted price". The magnitude of the frames is determined precisely by defining the time frames containing those frames. When we consider the advanced price component of "Weighted price" as the magic point of a Candle, there must be the ability to compare the results of the analysis of this magic point in other time frames to enable the aggregation of 3D and higher calculations. In fact, the time frame number is the third dimension of this advanced and exceptional component.



For example, in order to calculate the ascending or descending direction of a trend for the present conditions of a Symbol using this magic point, one must analyze the increase or decrease of the price of the magic point in the last few frames of each time frame, then use the third dimension (time frame number) to predict the direction of the trend in other complex calculations. Of course, the combination of the analysis obtained from each time frame is possible after the aggregation of three perspectives, which I do not address in this part of the book, because describing the method of percentage of convergence and aggregation of convergence calculations with "short-term", "long-term" and "homogeneous" views is very detailed, long and specialized.

### The magic of deep information and deep data:

The importance of the magical point of The Candle's center of gravity or "Weighted price frame", is so great that it awakens analysts from hallucinatory sleep and frees them from the superstitions of the modern world, such as the supernatural Fibonacci predictions, the assumptions of history repetition in similar time periods, etc.

Therefore, the more the computational accuracy of this advanced price component is added, the more accurate prediction is obtained in determining the direction of the future trend of Symbols and the important indicators of global and regional markets. Certainly, the direct impact of these analyses will go beyond the speculation of traders and brokerages, as it is a decisive factor in preparing the roadmap for the leading think tanks of the leading regulatory governments and corporations and large financial and credit institutions.

The secret to calculating this magical point is by no means limited to the masses of information in the depths of the Candles, but also deep data inside the frames, which can be extracted and aggregated after combining in the zero layer with the information obtained from the depths of the Candles.

Although after months of work and round-the-clock research, I was able to optimize the algorithms used in robot coding to the extent that such heavy computing is more or less possible by the relatively powerful personal computers available, but if large financial and credit centers will, they can create the largest centralized databases that provide the most accurate predictions in different fields and markets because such large centers, not only are they capable of supplying advanced and expensive equipment, but they also have the possibility to extract information from different brokerages about any particular Symbol. It is enough to provide a native platform that includes advanced features, communications and algorithms to add to the computational richness of magic points, for each frame, from each time frame, and for all the Symbols they want. Then they will own

the most valuable "Data ware house" in the world and will have the most unique "Data mining" with the aim of predicting global markets and even regional markets.

Truly, the governments and international monetary and credit agencies, having detailed predictions of regional stock market indicators, can make valuable contributions to the people of countries that, in the future, are likely to face massive bankruptcies in their country's economic arena.

**The magic point is to ensure Regression and provide artificial intelligence:**

The Candle's center of gravity, or frame weighted price, is very useful and plays a significant role in increasing the accuracy of other computational instruments. For example, to predict the increasing or decreasing trend of the price of a Symbol, using statistical regression calculation, using the weighted prices of the previous frames, the weighted price of the current frame, which has not yet been completed, can be estimated by comparing it to the weighted price of the previous frame, an acceptable prediction of the trend changes or the continuation of the current trend. Of course, aggregation of the results of similar analysis is necessary in all time frames, in the form of three perspectives.

In other words, when we discover the direction of the current trend in a time frame, by following the incremental or decreasing trend of the last Candle's gravity centers, considering that the weighted price of the last frame is incalculable due to the incompleteness of that frame, using the regression prediction, we consider a reliable center of gravity for the last incomplete Candle. In fact, at the same time and in parallel, we have used two methods to discover and confirm the trend of changing the price of a Symbol.

Since the calculation of the weighted price of frames is actually converting the Candles to one point, it is easy to consider the three-column table, including the columns of time, weighted price and time frame number, as the primary data of AI-based programs, and predict the behavior of the magic point in the last Candle (current frame).

**The miracle of measuring the speed of price change:**

When we look at the price changes that are visible by looking at the deformation of a Symbol's chart, we feel that the behavior of each representation differs from the behavior of other Symbols. This difference does not apply solely to the patterns of their price charts. It may be that the price change charts of the two Symbols are somewhat similar, but we still feel that there is a hidden difference.

It is possible that, by using the tools available or after gaining enough experience, we will be skilled at predicting the price trend of Symbols, but the more skilled we become, the more ambiguous that feeling becomes to restlessness.

When the trend of increasing or decreasing the price of a Symbol is calculated by scientific methods, with a high percentage of confidence, a sense of concern about the sudden or gradual change of the predicted trend begins. In fact, the further we get from the time of the last prediction calculation to increase or decrease the trend of a Symbol, the more likely it is to change the predicted trend. The annoying increase in this possibility is inversely proportional to the speed at which the price of the Symbol changes. For example, if a purchase order is registered based on a price increase forecast, the buyer, with concerns, looks at a constantly changing chart and remains impatient with the view of the price increase until the transaction enters into profit. Sometimes, this wait takes a long time, and unfortunately, those concerned eyes, sometimes, will see a trend change from an incremental to a decreasing stable or transient condition.

Saadia, the famous poet, says:

**I, myself, in my own eyes, saw my life go away.**

If, in addition to calculating and predicting the direction of an existing trend, the price change rate can also be calculated, perhaps trading that will somehow increase the risk due to time erosion.

But it is not possible to calculate the "speed of price change" without having a measure to measure. For example, a vehicle speed measurement unit is "km/h", but it is unacceptable to change the price of a Symbol.

Although the price range of each Symbol is different from other Symbols, but according to the common aspect of Symbols, in defining the value of a "Point", one can consider a criterion for defining the unit of measuring the price change speed of Symbols. In fact, just as they have used units of length and time to define the unit of measurement of the speed of movement of objects, they have created the base unit of the meter per second (m/s) and then its derivatives, such as km/h, now the unit of measurement of the change in the price of the Symbol using "Point" and time, in point per second and then its more functional derivative, point by hour.

Therefore, the value displayed by this measurement unit is the value of the change in the price of the Symbol based on Point in one hour.

Although this criterion can always be used to change the price of any Symbol, the fact is that due to the constant fluctuation of prices, the movement of a Symbol from one specified price to another is not always in the one direction, but it may change repeatedly and not even move towards the second price that is intended. It's like we want to measure the average speed of a car, the distance that that car, between two points of a given path, will travel over the duration of that distance, but

contrary to our expectations, that car, after starting from the starting point, reverses its direction several times before reaching the end point, and returns to the end point and continues to move again towards the end point. It may never reach the end point or go further than the starting point!

The fluctuations in the price change of Symbols are similar to the movement of this hypothetical car. Therefore, the most logical way to measure the price change of a Symbol is to extract a continuous incremental or decreasing price change without returning, between the last few consecutive frames, only for Symbols that have had a clear incremental or decreasing movement at the end of their price chart. But which time frames should we choose from?

Firstly, it should be checked exactly which time frames these conditions occurred.

Secondly, that frame time should be the measurement reference, indicating the movement of an unambiguous, clear and decisive trend incremental or decreasing price of the Symbol, in more time with the second time scale.

For example, we may see the trend of a Symbol's price increase on ten frames of a minute time frame, i.e., 600 seconds; but we also see a different trend in two one-hour frames, i.e., 7,200 seconds. In this case, the price difference should be divided into "Point" by 7200 seconds until the price change speed is calculated to "Point/seconds" and then multiplied by 3600 seconds to become the "Point/hour" applied measurement unit.

But when we talk about price changes, we need to determine exactly what our criterion is? The answer, it is clear, is that merely "frame weighted price" or "Candle magic point" can be a price criterion for measurement. In fact, the "Point/hour" measurement unit is a miracle of a magical point.

The importance of this miracle is evident when it can be compared to the average price change rate of other Symbols in order to determine the suitability of the price change of a Symbol. This means that if the price change speed of a Symbol exceeds the average price change rate of all Symbols, the price forecast calculated for this Symbol by an analyst is likely to be accompanied by much less risk of a change of direction in the predicted trend.

## Robot Application:

This robot is designed for different states so that it can use signal indicators, oscillators, different patterns, along with specific calculations of "multimodal time dimensions" and regression, at the same time, to register the order, with two methods of "instant order" and "pending order".

Because of the use of these tools, the robot can identify relatively reliable increasing or decreasing trend or range. The reason the robot has been tried to make only reliable transactions is because: the profits from transactions have practically increased balance and equity, and the "financial management" section, seeing the increase in inventory, has given the robot a bigger trading license, little by little, the profits and losses from the transactions become very, very heavy. Obviously, in large transactions, accuracy and close to reality are more important and any negligence will cause irreparable losses. For this reason, the robot has long been investigating all the conditions and Symbols and rarely offers a deal.

## Analysis and Operations Steps:

In the diagram below, an overview of the analytical and operational stages of the robot to discover the best position of trading and ordering is seen:



### Initialization step:

In the "Initialization" step, the initialization of the Symbols defined in the server and the terms of client, terminal and server is done. At this point, if there is a problem or mistake, the robot stops with an explaining display.

*This step, only once, is done only at the beginning of the robot's interning.*

### Filtering step:

In the "Filtering" step, based on user choices (or defaults), only Symbols with appropriate conditions are selected from all Symbols in the server.

*This step, only once, is done only at the beginning of the robot's interning.*

### Time frame determination step:

In the "Timeframe analyzing" stage, due to the market conditions at this moment, the best, most active and most high-end time frames are selected to continue working.

*This step, during robot activity, is constantly repeated.*

### Screening stage:

In the important stage of "Screening", Symbols are screened based on strict system criteria. The importance of this step is that: the robot removes Symbols with information and data errors from the review list because these Symbols cause the robot to stop constantly. Other systemic adaptive cases are also performed at the same stage. This stage provides a platform for the next step.

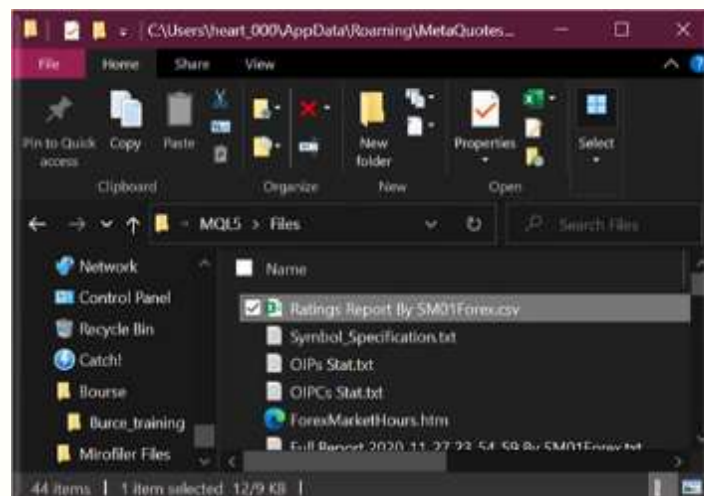
*This step, during robot activity, is constantly repeated.*

### Ranking stage:

In the "Rating" step, Symbols are ranked and sorted based on user-specified criteria (or default). Because in order to increase the efficiency, when examining Symbols, the items that are more priority must be addressed first.

*This step, during robot activity, is constantly repeated.*

**Note:** At the end of this step, a text file called "Ratings Report by SM01Forex.csv" will be created in the "MQL5\Files" subfolder.



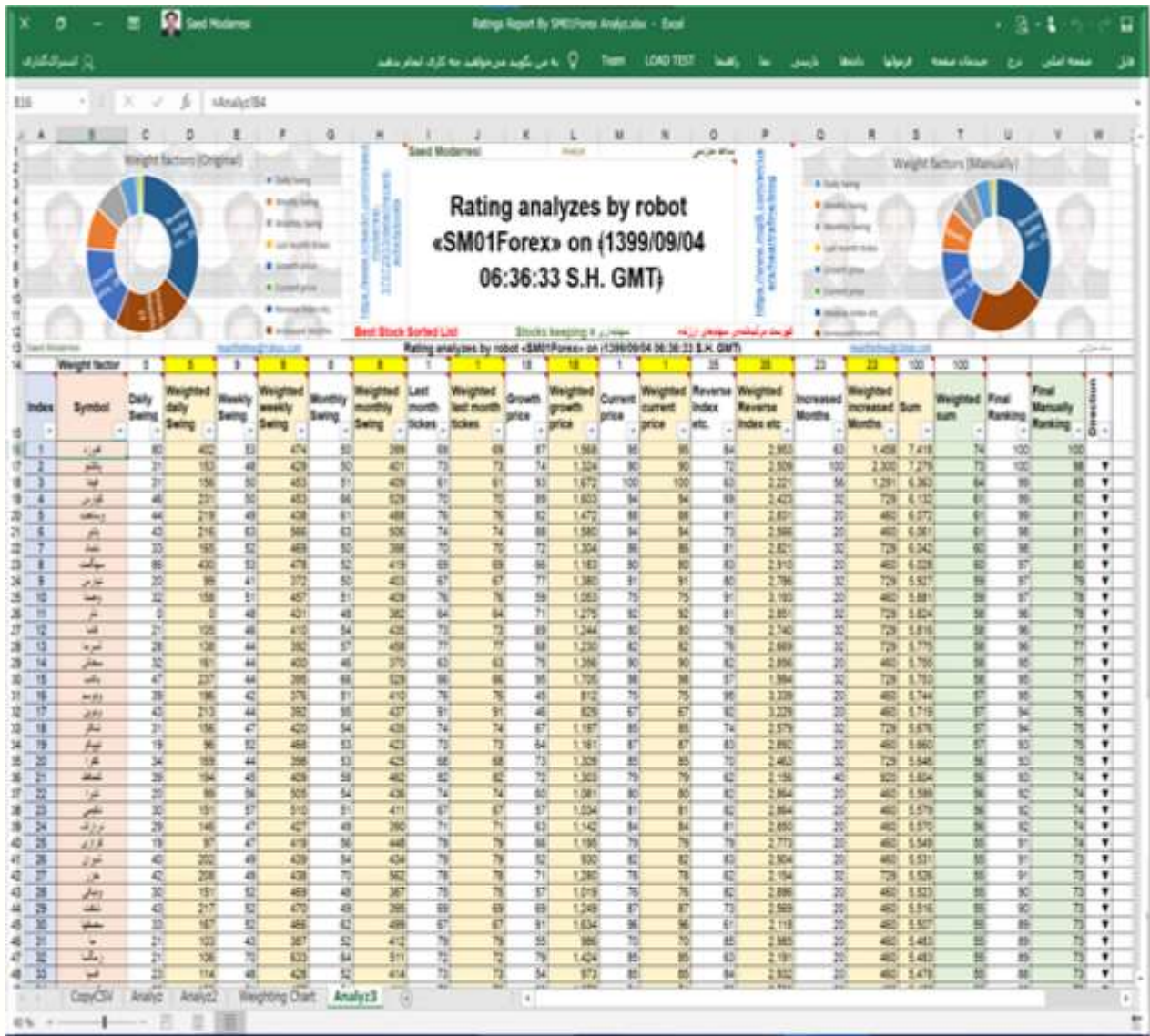


This file can be used in auxiliary tools for advanced and manual analysis using Excel. If it is **first** opened and **then** opened "Symbols\_Specification.csv" and **then** the "Ratings Report by SM01Forex Analyz.xlsx" tool file is opened and updated in "Microsoft Excel" environment, important tool sheets will be stated to the user.

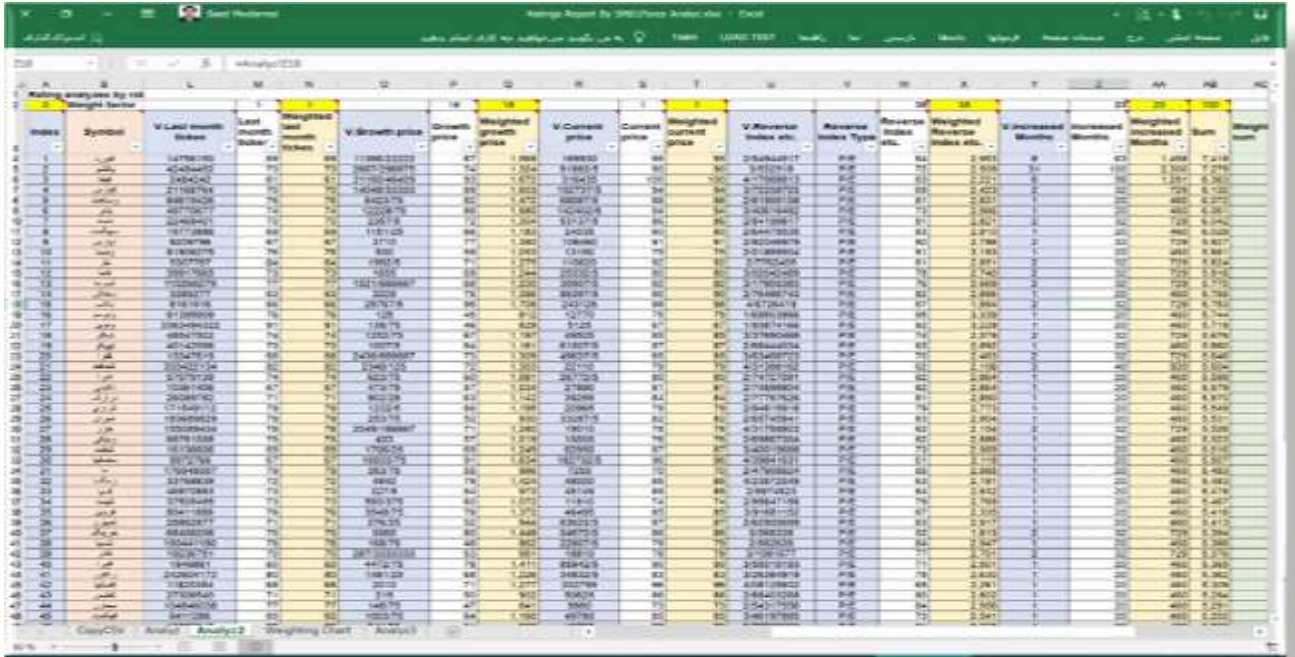
#### Short introduction of Excel analytical and auxiliary tools:

As explained in the previous section, the Ratings Report by "SM01Forex Analyz.xlsx" file must have been opened by Microsoft Excel before opening the "Ratings Report by SM01Forex.csv file". Usually, if this sequence is followed, it will allow an update after Excel opens this file for the first time. In this case, agree to the update. The main application of this file is to analyze the stock Symbols and calculate and compare their valuable criteria. This book has several worksheets, the most important of which are as follows:

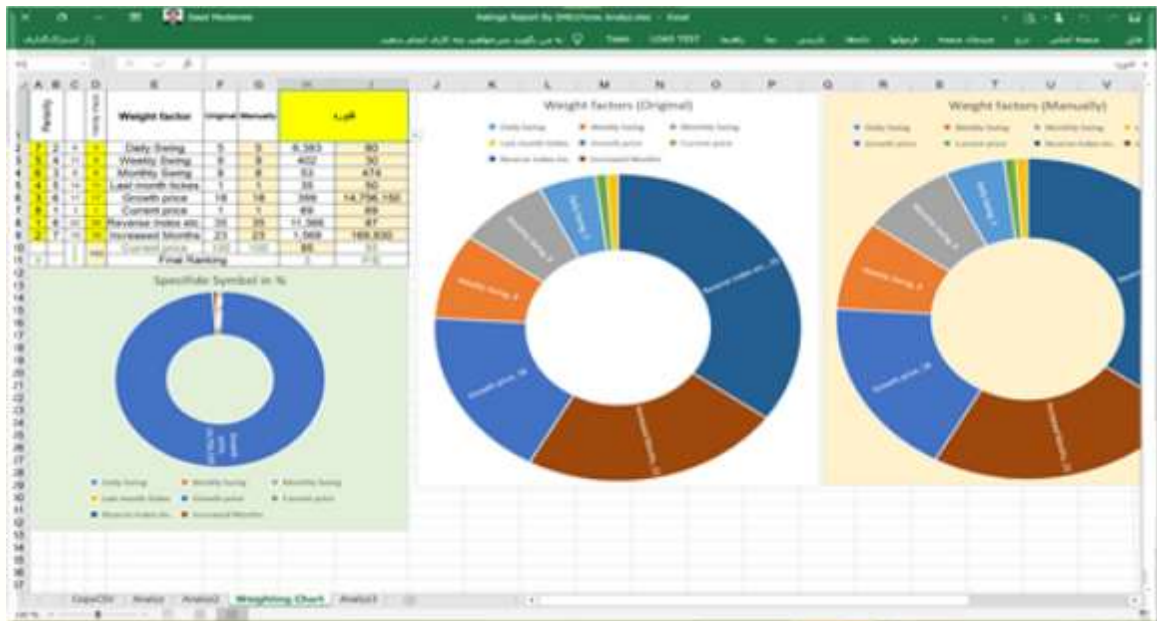
- **Analyz3 worksheet:** At a glance, it quickly displays Symbols in order of value, along with the result of their weighted calculations.



- **Analysis2 Worksheet:** In the form of analysis and with smaller calculations, the Symbols are displayed in the order of value, along with the result of their weighted calculations, allowing the weight change in each computational column, so that advanced and professional users can create very detailed and different analyses, any changes in this worksheet will affect the Analyz3 worksheet.



- **Weighting Chart Worksheet:** For case analysis, a Symbol and the effect of each weight on its evaluation parameters are related.



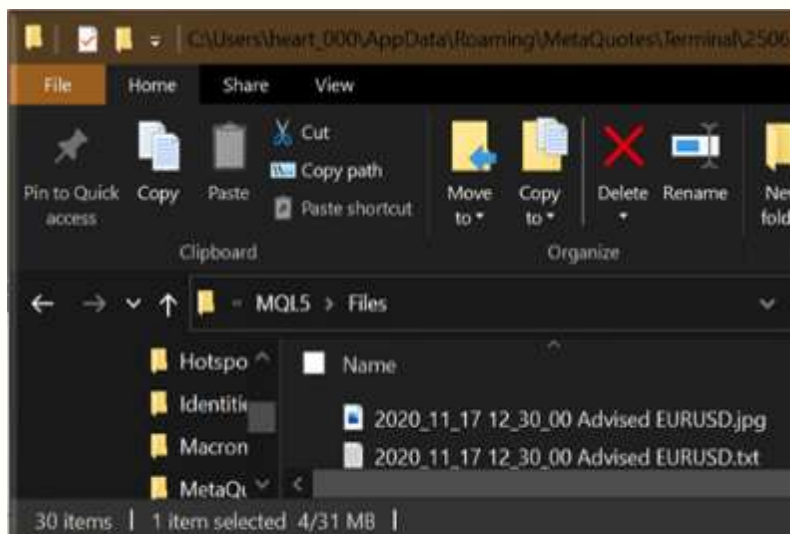
### Trend search step:

In the "Trend Searching" stage, Symbols are matched with indicators, oscillators, patterns, controllers, and time dimensions, respectively, from the highest priority set in the Rating stage. **Scoring in this section is based on weighted average. To calculate the weight in these calculations, the robot refers to the history of the Symbol in the previous frames in the corresponding time frame for each indicator, oscillator and pattern, and obtains the final and comparable score based on very complex calculations.**

*This step, during robot activity, is constantly repeated.*

### Process order registration step:

In the "Trend Ordering" step, an order is registered if a Symbol in the "Trend Searching" stage has obtained an acceptable rating. Based on the criteria set for the robot, orders of the kind will be instantly, pending or both, with the automatic observance of "financial management". Stop Lost and Take Profit are also automatically created. If orders are successfully registered, a new chart will be created to track the user, a detailed Screenshot, along with a full analytical text file in the "MQL5\Files" subfolder with .jpg and .txt extensions. The names of these files will be a combination of the time of bid or order registration and the name of the Symbol.



In both files, detailed information is provided about the trading during the selection of the Symbol for ordering, as well as the time frames of the reference of the analysis. The "StdDev Channel" and "Regression Channel" tools, along with the advanced and close-to-normal "Moving Average" indicator, are also displayed for the final decisions of advanced users.





These files also contain complete information for publication, in the event of public release, allowing the audience to be aware of all conditions and information about the selection of the Symbol.

*This step, during robot activity, is constantly repeated.*

#### Range search step:

In the "Range Searching" step, Symbols are checked from the highest priority set in the Rating stage, respectively, if they are in Range conditions, and are considered for order registration. In this step, for the user's next visit, a few more authentic Symbols are noteped on the right-bottom of the main chart.

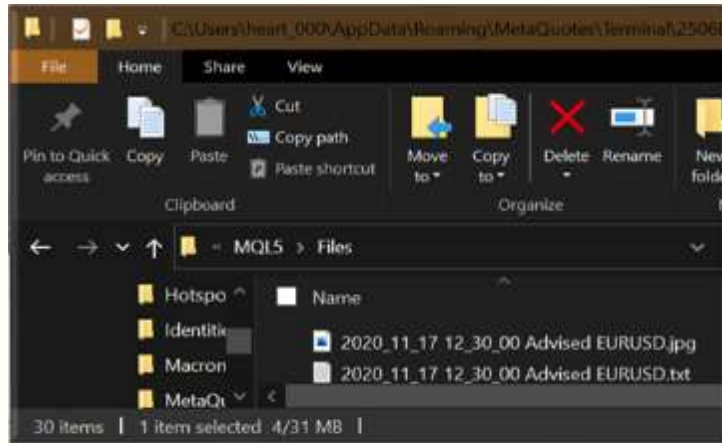
*This step, during robot activity, is constantly repeated.*

#### Range order registration step:

In the "Range Ordering" step, an order is registered if a Symbol in the "Range Searching" stage has obtained an acceptable rating. Stop Lost and Take Profit are also automatically created.

**Important:** *The advanced "Money Management" mechanism at this stage prevents order registration if the robot estimates that the transaction commission is greater than the range boundaries.*

If the orders are successfully registered, a new chart will be created to track the user, a screenshot with details, along with a complete analytical text file in the "MQL5\Files" subfolder with .jpg and .txt extensions, the name of these files will be a combination of the time of the proposal or order registration and the name of the Symbol.



In both files, detailed information is provided about the trading during the selection of the Symbol to register the order. Also, the reference time frame of the analysis has been shown. A few Channel tools, along with an advanced and close-to-normal "Moving Average" indicator, are also displayed for advanced users' final decisions. These channel display tools also display high and low bounds in addition to displaying the oscillation range.



These files also contain complete information for publication, and in the event of public release, it is possible for the audience to be aware of all the conditions and information about the Symbol selection.

*This step, during robot activity, is constantly repeated.*

### Scalp search step:

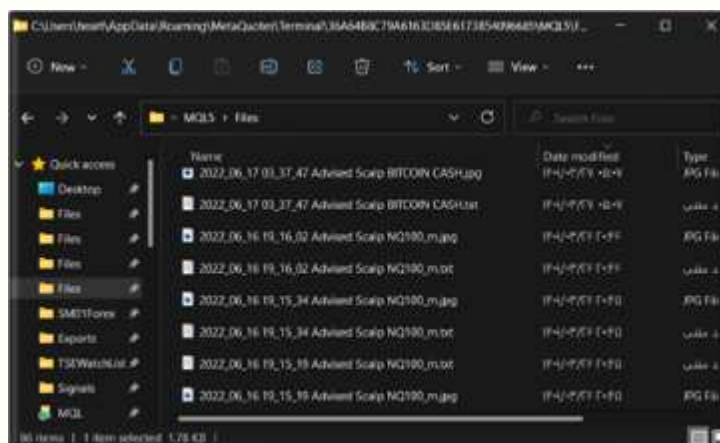
In the "Scalp Searching" phase, all Symbols, even Symbols that have not been participated in any transaction in the previous stages (Trend and Range) are evaluated. The governing principles for finding Scalp conditions are often based on a variety of 3D calculations and calculations of the size of hope for the trend aligned in all time frames.

### Scalp order registration step:

In the "Scalp Ordering" stage, if a Symbol is found to be eligible in the "Scalp Searching" stage, the Purchase or Sale order will be registered according to the process that has been determined. In this situation, a double order can also be registered. This means that taking into account the amount to compensate for the possible loss compared to the volume of the original trade, the custom was registered correctly for the previous order direction.

Considering that following Scalp transactions is done in a special way called "Hedge Trailing", cross order registration (doubles) is actually a kind of advance in the first step of "Hedge Trailing".

If the orders are successfully registered, a new chart will be created to track the user, a screenshot with details, along with a complete analytical text file in the "MQL5\Files" subfolder with .jpg and .txt extensions, the name of these files will be a combination of the time of the proposal or order registration and the name of the Symbol.





In both files, detailed information is provided about the trading during the selection of the Symbol to register the order. Also, the reference time frame of the analysis has been shown. A few Channel tools, along with an advanced and close-to-normal "Moving Average" indicator, are also displayed for advanced users' final decisions. These channel display tools also display high and low bounds in addition to displaying the oscillation range.



These files also contain complete information for publication, and in the event of public release, it is possible for the audience to be aware of all the conditions and information about the Symbol selection.

*This step, during robot activity, is constantly repeated.*

**Important:** *The advanced "Money Management" mechanism at this stage prevents order registration if the Robot estimates that the commission is so high that it will prevent the cost from being recouped within a reasonable period of time.*

#### Price trailers and open trades step:

In the "Trailings" phase, the "Trailing Price" mechanisms, "Break Even", "Close trades after receiving the specified minimum profit", "Close trades with the maximum specified loss", etc. are performed. Advanced mechanisms such as "infinite profit" at this stage also cause open positions to close at the maximum possible profit.

A special mechanism called "Hedge Trailing" is also envisioned within the "Trailing Price" mechanism. Using this unique mechanism, rapid calculations are made to create mutual trading positions to convert losses into profits or minimizing losses. If the conditions are seen as appropriate, the cross order of the trades that have been lost at this moment will be registered quickly. Naturally, this mechanism is implemented for orders registered based on Trend or Range methods, after a sufficient period of time to be disappointed with the continuation of the predicted process, but if possible, it is applied in real time for orders based on the Scalp method or as a result of the previous operation of the "Hedge Trailing" mechanism.

One of the things that should be done carefully in this section is closing some of loss positions. In fact, there are two types of loss positions: positions that will definitely not return to profit, and their preservation will lead to "Stop Out", and positions that appear to have suffered losses, but if the sum to calculate the profits and losses of all positions created for their common Symbol, we will find that not only the closing of such positions, in general, does not result in losses, but also causes losses from such positions. These are not so great that it will eventually lead to "Stop Out".

*This very important stage is constantly repeated during robot activity.*

### **Predict "Trend" and "Range":**

Checking the charts that represent a trend actually allows you to predict the price increase or decrease after careful calculations. Such charts are called "Trend", and analysts often try to figure out such charts because experience has shown them that finding a declining or incremental price trend can provide them with a lot of profit.



But the fact is, a lot of charts are actually a representation of a fluctuation. A fluctuation that takes place in practically a computable range, called "Range". In order to explain the "Range" mode, a very simple sinusoidal wave is usually given, whereas in real terms, "Range" diagrams appear in different forms, which sometimes make it very difficult or even impossible for the analyst to detect the state of "oscillation in a range".



This is why, in discussions and trainings, less is explained in this very important case. To understand the importance of "Range" mode, it is enough to note that sometimes, the only one that

is abundantly observed in the market is only "Range" mode, and it takes hours until the market reaches trend conditions.

Considering that the detection of extremely varied states of "Range" is very complex, it is necessary to use multi-stage and in-depth computational methods, because in addition to discovering the "Range" mode, it is necessary to calculate and determine the amount and volume of LOT investment in a way that can be obtained within the range of oscillation and also, as possible, the chart is not on the verge of exiting the range. These calculations are of particular importance, taking into account brokerage fees, especially in stock and CFD markets. The truth is that these calculations are very difficult and the time for it is very short. It is quite clear that such complex calculations can often be performed by a robot in a short period of time.

Of course, the "Commission" discussion is not limited to "Range" mode, and the analyzer must also calculate the possibility of returning capital and the possibility of earning profits before the possible time of changing the "Trend", depending on the amount of commission of a Symbol. Unfortunately, many analysts use the old methods of "estimating resistance and support points", while modern methods of calculation are based on the combination of "records", "indicators" and "oscillators". Naturally, such calculations are difficult, and the mechanisms embedded within a robot can provide us with the necessary information within a short time.

#### **"Range" guarantee using "Trend":**

Multi-stage and in-depth calculations are "sufficient conditions" for discovering "Range" mode, but the "necessary condition" for it is to rule out any possibility of "Trend" mode. In other words, before attempting to check the existence of "Range" mode, you should have checked the "Trend" mode. It is quite clear that if the "Trend" mode is proved, any investigation of the existence of "Range" mode should be avoided in order to avoid operational and trading errors in calculations, but it is worth noting that it should not be enough to definitively prove the existence of "Trend" mode, but also to discover the smallest and least important signs of the "Trend" mode, while performing the "Trend" calculations, even discovering the smallest and least important signs of the "Trend" mode, should prevent action to check the "Range" mode.

#### **"Suspected trend" or "hope for trend":**

To predict the existence of a trend, various computational methods and tools are used which are essentially based on estimates and possibilities, but if you can quickly make a correct comparison between the gravity prices of the candles in a time frame, using aggregation methods in statistics and mathematics, the mechanism of calculating "hope for trend" can be achieved.

The calculations implemented for this mechanism can ultimately, with a fairly reliable estimate, determine how much hope there is of an incremental or decreasing trend for a Symbol in a time frame.

One should not confuse the mechanism of "hope for the existence of the process" with the mechanism of "suspecting the existence of the process". In fact, when examining the "trend existence" in a graph, observing even the most basic low-validity signs of "the existence of a trend" makes it "suspicious of the existence of the trend", while independent of the result of the "suspected trend" mechanism and based solely on the direct calculation based on the elements in the chart and after considering tolerance according to the position of applying the "hope for trend" procedure, estimated, the existence of a trend is revealed.

If the Symbol price change chart in a given time frame causes "hope for trend" to be revealed, we should assume it to be "suspicious of trend" at that moment, but if the Symbolic price change chart in a given time frame makes it "suspicious of trend", we cannot use calculations and mechanisms related to "hope for trend", for price changes of that Symbol and we should take a moment to consider some "hope for the process". An old saying can better describe such situations:

*Every walnut is round, but not every dust is walnut.*

In practice, "suspecting the trend" causes us to register an order with less risk in range-based trading, but the application of the "hope for trend" mechanism is for situations where we want to reduce the risk of trend-based trading.

### **Multifaceted time dimensions:**

To ensure its analysis, the robot needed a tool beyond the traditional, time frames-based perspective, in other words, to examine indicators, oscillators and patterns, in a specified time frame.

The first step was to examine active and valuable time frames at any moment for each market so that the same indicators, oscillators and patterns can be analyzed in more than one timeframe. Valuable time frames automatic detection facilities were added to the robot so that the robot can constantly evaluate and select the best time frames during its activity.

```
Analysis to select the best time frame: (Symbols = 1, Time frames = 21, Process bars needed = 6)
(Number of Spreads on TF scope (*1), Trend line Availability(*99), Average in Percent, Timeframes)
SC= 0%( 0) TL= 0%( 0) Average= 0% → (1 minutes) ~ (4 minutes) ▶ Start scope ▶ Current Start TF
SC= 0%( 0) TL= 0%( 0) Average= 0% → (2 minutes) ~ (5 minutes)
SC= 0%( 0) TL= 0%( 0) Average= 0% → (3 minutes) ~ (6 minutes)
SC= 0%( 0) TL= 25%( 1) Average= 24% → (4 minutes) ~ (10 minutes)
SC= 0%( 0) TL= 20%( 1) Average= 19% → (5 minutes) ~ (12 minutes)
SC= 0%( 0) TL= 16%( 1) Average= 16% → (6 minutes) ~ (15 minutes) ▶ Current Multi TF
SC= 0%( 0) TL= 14%( 1) Average= 14% → (10 minutes) ~ (20 minutes)
SC= 12%( 1) TL= 0%( 0) Average= 0% → (12 minutes) ~ (30 minutes) ▶ Current End TF
SC= 11%( 1) TL= 0%( 0) Average= 0% → (15 minutes) ~ (1 hour)
SC= 10%( 1) TL= 0%( 0) Average= 0% → (20 minutes) ~ (2 hours)
SC= 9%( 1) TL= 0%( 0) Average= 0% → (30 minutes) ~ (3 hours)
SC= 8%( 1) TL= 0%( 0) Average= 0% → (1 hour) ~ (4 hours)
SC= 7%( 1) TL= 7%( 1) Average= 7% → (2 hours) ~ (6 hours)
SC= 7%( 1) TL= 0%( 0) Average= 0% → (3 hours) ~ (8 hours)
SC= 6%( 1) TL= 6%( 1) Average= 6% → (4 hours) ~ (12 hours)
SC= 6%( 1) TL= 6%( 1) Average= 6% → (6 hours) ~ (1 day(Daily))
SC= 5%( 1) TL= 5%( 1) Average= 5% → (8 hours) ~ (1 week(Weekly))
SC= 5%( 1) TL= 5%( 1) Average= 5% → (12 hours) ~ (1 month(Monthly)) ▶ Current SL/TP calculation TF
SC= 5%( 1) TL= 5%( 1) Average= 5% → (1 day(Daily)) ~ (1 month(Monthly))
SC= 5%( 1) TL= 0%( 0) Average= 0% → (1 week(Weekly)) ~ (1 month(Monthly))
SC= 4%( 1) TL= 0%( 0) Average= 0% → (1 month(Monthly)) ~ (1 month(Monthly)) ▶ End scope
Original ↓
Timeframes description:
Base timeframe: 10 minutes (Samples=54 Deep=3 Acceptable Rate=5%)
Major timeframe: 15 minutes (Samples=45 Deep=3 Acceptable Rate=7%) ▶ Checking start multi timeframe
Major timeframe: 30 minutes (Samples=32 Deep=3 Acceptable Rate=9%)
Major timeframe: 1 hour (Samples=27 Deep=3 Acceptable Rate=11%)
Time frame for Stop Loss and Take Profit calculating = (30 minutes)
Advise ↓
Timeframes description:
Base timeframe: 4 minutes (Samples=54 Deep=3 Acceptable Rate=5%)
Major timeframe: 5 minutes (Samples=45 Deep=3 Acceptable Rate=7%) ▶ Checking start multi timeframe
Major timeframe: 6 minutes (Samples=32 Deep=3 Acceptable Rate=9%)
Major timeframe: 10 minutes (Samples=27 Deep=3 Acceptable Rate=11%)
Time frame for Stop Loss and Take Profit calculating = (2 hours)

Time frames set to Advised (Changed)
Current ↓
Timeframes description:
Base timeframe: 4 minutes (Samples=54 Deep=3 Acceptable Rate=5%)
Major timeframe: 5 minutes (Samples=45 Deep=3 Acceptable Rate=7%) ▶ Checking start multi timeframe
Major timeframe: 6 minutes (Samples=36 Deep=3 Acceptable Rate=9%)
Major timeframe: 10 minutes (Samples=27 Deep=3 Acceptable Rate=11%)
Time frame for Stop Loss and Take Profit calculating = (2 hours)
```

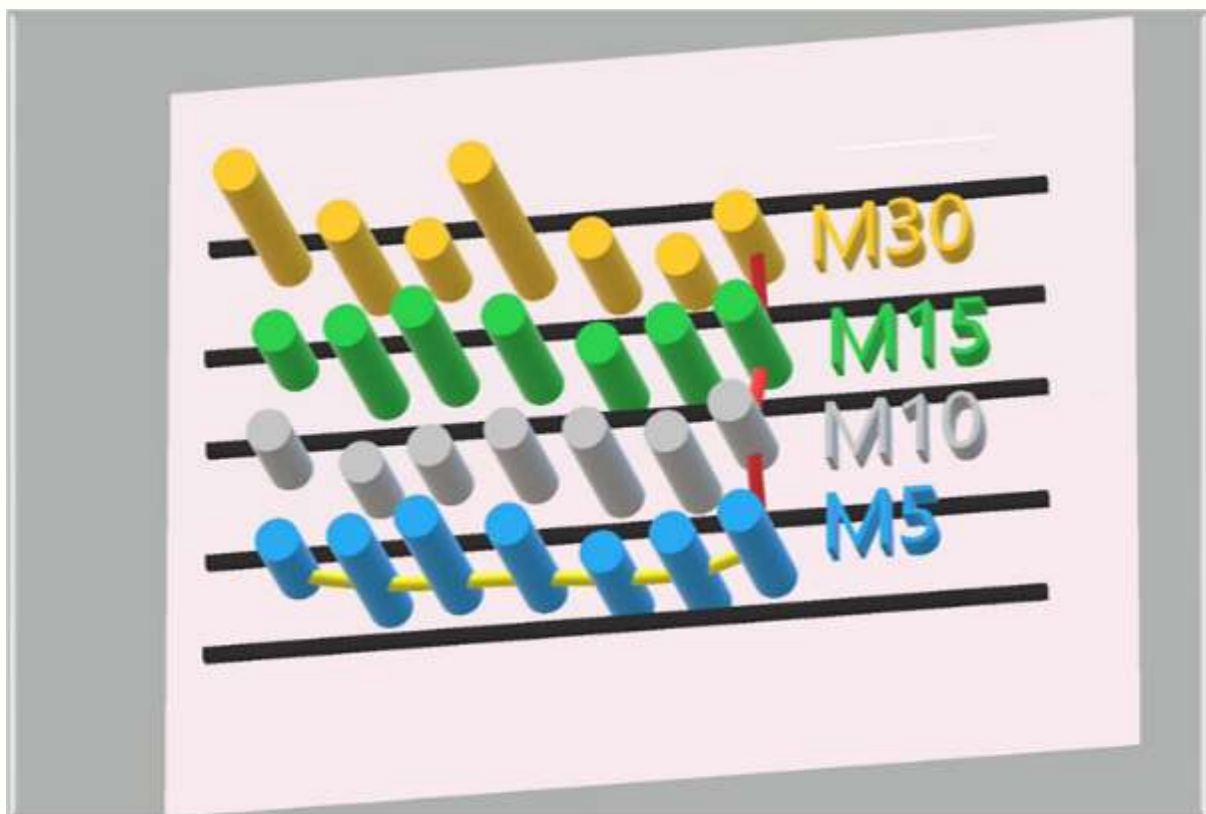
But that wasn't enough either. The prediction of this instrument, in addition to being dependent on time frames, but also basic parameters such as numbers in period fields, shifts, etc., must be constantly changed for each Symbol and proportional to each time frame and at any time. This important issue was also solved by online and automated calculations, and the robot is constantly changing these parameters when using indicators, oscillators and patterns. This feature helped to calculate the weighted value of the signal declared by each indicator, oscillator and pattern, because in order to check the weighted value, the correctness of the prediction of this instrument should be evaluated in the records of each Symbol and per time frame. Of course, when we return such a tool to previous times, we need to adjust parameters and fields such as periods, shifts, etc. to fit the same time, again and again.

Although the possibility of evaluating and calculating the weight value of signals provided by each indicator, oscillator and model was provided to the robot, this assessment should also be



strengthened. Therefore, another category of "test depth" was added to such assessments and verifications. In other words, in addition to the fact that the robot must refer to a large number of previous frames per time frame, but in each frame that verifies the signal of that instrument, it must also be in depth for verification and test the correctness or error of the instrument prediction up to a few frames, after the frame is examined.

Again, other vital possibilities were required: time frames are merely time-divided perspectives in such a way that each shows a view of the trend of changes and the oscillation of a Symbol in the form of their own division. In fact, time is a continuous category, and dividing it into pieces and frames makes parts of its dimensions not understood. Therefore, the possibilities of connecting time frames were given to the robot as if the robot was like a person who stood right in front of the entrance gate before entering a very large building and was watching the next door and door through the gate. In this way, the robot found the possibility to view the diagrams from opposite and in front of the last bar (Candle). *(In the image below, look at the red-connecting lines between time frames and yellow-linking the center of gravity of bars in a time frame.)*





Another possibility had to be added to the robot's ability: Possibility of trend analysis using market depth. This feature is more valuable for slow markets and low activity, but as an analytical feature, for future writings, it is still sampling and gaining experience.

However, these privileged facilities were added to the set of controllers and patterns. That's why, in the description of parts of the robot's settings, phrases that are not mentioned in other sources. Explaining the performance of such tools and techniques is out of the question of this book and is related to its complex discussions of software engineering and comparative mathematical analysis.

### **Captivating Time Frames:**

If we consider each time frame as a unique view or vent in relation to a continuous stream of price changes of a Symbol, then we can understand the specific importance of each time frame in analyzing the charts.

To better understand the efficiency of time frames, one visualizable example can be used:

In your mind, visualize a pool full of water. Imagine being immersed in water, and even though underwater, your field of view is much narrower, you'll see lines that are parallel to each other, on the bottom of the pool, transversely. The distance between these lines from each other is the same, and you know the exact amount. Underwater and immersed, your main tools for calculating the length of the pool are these lines. Suppose you can't stay immersed in the water for a long time, and you have to come to breathe as quickly as possible, but there are people who won't let you come to the water, but if you give them an estimate of the length of the pool by displaying your fingers, they allow you to stay at the surface of the water according to the accuracy of your calculation and the proximity of your estimated amount to the actual length of the pool.



It is quite clear that underwater, you have little time to use based on the few visible lines located in your limited field of view and in the raging underwater space, using some of the signs in the water, such as fences, troughs related to water treatment facilities, or even a vague view of the equipment appointed at the top of the pool (such as projectors, base lights and etc.) or images of detectable objects by the pool (such as trees and etc.), estimate the length of the pool approximately because you will face a lack of oxygen.

Every time you estimate a length, it's brought to the surface of the water, giving you a short chance to breathe and immersing you again in the water and close to the pool floor, but this time, the regular distance of those lines has changed, and this time you have to use the new amount of this distance to estimate the length of the pool.

If you go back to the charts page, you'll remember the same transverse lines you've visualized in your mind by looking at the frame resolution lines you've visualized in the pool example.

In fact, we try to identify and understand the movement of a price chart by using different tools and methods, based on the distance between the separator lines of frames, but the most important tool we have at our disposal are the same frames that change their size, specifically, according to each time frame.

Now that we are somewhat aware of the importance of time frames, given that time frames are practically the main tools for analyzing, calculating and estimating the next prices of Symbols, we quickly notice the number of time frames. In other words, the more time frames we have, the more

cognitive and analytical tools we have. This is decisive in calculating time dimensions (at different levels). But there is a very important issue that many analysts neglect.

What makes time frames work is the difference between each and the other. That is, two frames should never be the same. By reading this sentence, this question immediately plays into the reader's mind: Unless two-time frames, which are explicitly declared different in size, are no different from each other and are actually the same case!?

The answer, here is:

Yes, this is the case for Symbols whose trading session duration is less than one day (24 hours). For example, in a stock market, the duration of a Symbol's trading session is 5 hours, and traders cannot buy and sell the shares of that Symbol in a working day, more than 5 hours. It is quite clear that time frames less than 6 hours represent price fluctuations of that Symbol, but larger time frames, given that the market has been closed for that Symbol, actually have the same conditions because the price of that Symbol, in 8-hour, 12-hour and even one-day time frames, does not change, and the last time frame that represents the actual price change is the same as the 6-hour time frame. Note that the 5-hour time frame does not exist on common platforms. The frame duration of the 4-hour time frames is less than the trading session, and the first frame that fully covers such a trading session is located at the 6-hour time frame.

In this example, it can be observed that the analysis based on 4-time frames is often the same, and if an analyst implements his analytical mechanisms on these time frames, it often comes to the same conclusion. This is not only a "waste of time", but it also, unintentionally, makes the computational accuracy of an analysis seem, wrongly, high because the analyst claims that his analysis, in several different time frames, is verified if he and the people who study the analysis provided are usually deceived by the same time frames without realizing it. In fact, in such circumstances, the same time frames that were supposed to be used as the main analytical tools have become a misleading tool. In this case, we call these time frames: "Captivating Time Frames"

One thing that should not fall from the heart is that the charms of time frames are the maximum of one-day time frames, as the longest trading sessions of Symbols in all stock and Forex markets are less than 24 hours.

### **Natural Trends:**

The main goal was to achieve the "natural trend of rising or decreasing prices" in order to provide a more reliable prediction of the behavior of Symbols. The creation and use of multidimensional time dimensions mechanisms and tools was a prerequisite for approaching the

normal trend, but sufficient conditions were the actual calculation of the weight of each bar (candle) per frame from a specified time frame. In fact, the foundation of all advanced tools is "multidimensional time dimensions", based on the weighted price or price weight of each bar (candle). For this purpose, the robot added a precise calculation mechanism of weight per frame. It was very difficult because in active markets such as Forex, at any moment, there are a lot of trades going on, and calculating the results of all these trades becomes very heavy for the current frame or any other frame, especially the frames from large time frames.

To enable such real and comprehensive calculations, the parameters "Price calculation type" and "Price calculation type (Stock Only)" should be set on "Weighted Buy and Sell price". But this is impossible on ordinary computers because in order to load the very heavy computational load of this option, in all computing parts of the robot, the need for VPS or very strong computers, very fast internet communications and brokerages with powerful cyber equipment. It is a pity that due to the lack of such facilities; we have to adjust these parameters with options that are less accurate.

Surely, if this robot is used by strong brokers or individuals and companies with sufficient facilities, the computational accuracy and consequently optimal predictions will increase significantly.

#### **Best use of Regression:**

Regression is a very efficient method in statistics. Using the basic computational Regression method to predict the price, if it is possible to determine the "exact real weight price" per frame, has a surprising result. Given that this Robot is equipped with such a mechanism, it easily uses its internal and precise Regression functions to predict the weighted price of the current frame (a frame that has not yet been finished) in order to dramatically increase accuracy in all parts of the Robot. It is possible to predict the weight price at the end of the current frame by Regression method, for each time frame, so multidimensional calculations have an extraordinary accuracy increase.

#### **Maintaining uncertainty:**

In the case of predictions, estimates, it is always expected that a high percentage of accuracy in the results of calculations will be considered. Of course, in all scientific disciplines, this view governs most estimated computational methods, but a surprising and very important fact should be considered when analyzing market trends in order to be trusted in the selected method for analyzing and predicting future prices.

In fact, the best indication for not trusting an analytical method is precisely the very high percentage of the calculation claim, which is stated before the start of the calculations by the provider

of that method, or after the calculations and based on the results, is announced by the internal mechanism of that method!

It seems paradoxical, because on the one hand, we expect a method of prediction, accuracy and a high percentage of trust, but on the other hand, we have now come up with another reality that emphasizes: "In estimating the probability of a decreasing or incremental trend in the stock and Forex markets, any calculation that is certain is unacceptable!"

This became clear to me when I observed: If the weighted percentage of the predictive impact of an indicator, oscillator or pattern, based on its matching with the trading and price records of an Symbol, becomes close to 100 or 0 percent, though at first, We're seeing the correctness of the predictions, but little by little, the predictions become just different things that if the incremental or decreasing price trend of a Symbol matches that prediction, it's lucky for us, and If that prediction didn't go right, it would have been a misfortune! The owners of such theories often try to justify this failure in these circumstances, and the first reason they say it is: There is always the possibility of unpredictable events happening in the market, in the periods after their prediction is announced.

For several years, with different methods, I tried to come up with a realistic view to the main cause of the failure of the predictions claiming certainty. Now, I had built a tool that could accurately predict many indicators, oscillators and patterns, given the history of transactions made on any Symbol. I changed the robot in such a way that it could ignore the predictive percentages of 100% or 0%, and in case of encountering such a tool, only at that stage and for that Symbol, it would refrain from using it.

A strange result was achieved because after I obtained the results of estimates and percentage estimates of trends based on the weighted percentage of the results of the calculations, the prediction of the decreasing or incremental trend of the price of Symbols was no longer a chance.

To make sure of my discovery, I changed the ceiling and floor percentages from one hundred and zero to 99 and one. I was more surprised. This time, the results and group predictions (based on the calculations of several instruments) found a significant distance from any chance occurrence.

I shared the topic with my friend, who is a mathematician, and asked for his opinion of my method, which I now call "Maintaining uncertainty". She gave an interesting answer. She said: "Any kind of prediction is inherently uncertain, and the reason for the success of this computational method was to observe its inherent authenticity. She was right. When we choose a method that determines a trend forecast in the stock market and Forex almost without error and with very high confidence, in fact, what remains hidden behind this forecast is that the computational type and method of our

instrument does not fit the behavior of that Symbol. For this reason, a positive (about 100 percent) or negative (about zero percent) answer is often provided. These very high or very low weight percentages are not only incorrect predictions, but when summed up by the results of the correct calculations obtained by other instruments, the result becomes an incorrect, irrational, and actually chance outcome.

For me, it was a big lesson and I found that "Maintaining uncertainty" is not only a fundamental principle in detecting or predicting incremental and declining market trends, but also is various cases in my personal life. Now, as an engineer and programmer, I know very well what is the value of this theory for computing and event prediction of advanced devices such as self-driving cars, spacecraft, etc., and should not be neglected in the behavioral design and planning of such devices and equipment.

#### **Rigor and simplification for denial and verification:**

There are two perspectives to confirm or deny the existence of a trend, in accordance with the technique and method of analysis. The information can be rigorously evaluated or simplistically analyzed, but these two views must necessarily be used together. In other words, one should not rely solely on one view in the analysis. For example, if a simplistic view is used to confirm the existence of an uptrend, then analysis, wherever necessary, should be used to deny the existence of a downtrend. If a type of view is used at the same time for denial and verification and the exercise of a reciprocal view is abandoned, not only will the rule of "uncertainty" be corrupted, but in practice many ordering opportunities will be lost.

For example, to determine the existence of a trend, if appropriate tolerance values are not used, a trend is often not detected, but if the trend line is used when drawing a linear chart, based on the mean gravity of each tolerance, it is likely that the trend line will be revealed. In this example, the use of tolerance in computation is actually a simplistic view that has led to the discovery of a trend, but in the continuing analysis process, wherever there is a need to deny the existence of an opposing trend or to rule out the possibility of a range state, not only should not be used from a simplistic point of view, but it is necessary to analyze and conclude with a strict view. For example, tolerance can be used or a minimum value can be used (because in such cases denial or rejection, the existence of the opposite state must be proved).

To better understand the issue, it is enough to pay attention to the everyday things in our lives. For example, sympathetic parents or teachers use incentive and punitive mechanisms to raise children, but there is a subtle point: they often seek excuses to encourage a child, and by observing the slightest sign of good or intelligent behavior, they encourage him, while they need strong reasons

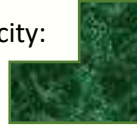
to punish, if necessary, with a timely but very small punishment. Deterrence is created in the abnormal behavior of children.

When we look at some of the symbols on the other side, in different ways, we see the complementage of these two perspectives. Let's call this form a symbol of rigor:



In

addition, consider this form as a symbol of simplicity:



If we put these two shapes together, we achieve a more complete form:



Can such a wise combination be found in the flags of some countries?



### Farm Robots:

If this robot is run on multiple computers at the same time but only on one account, it can be guessed that its efficiency increases, trading opportunities and earning money from it will increase greatly. If mechanisms such as "Copy Trade" are enabled on such an account, it is not in mind to imagine the total profits made for the owner or owners of the accounts. It is also possible to set up a robot farm by renting multiple VPS instead of using multiple computers.

### Prairie of Robots:

When we implement the idea of "Prairie of Robots" not only on one account with a broker, but on multiple accounts with multiple brokers, something like a forest or "plain of robots" is formed in our minds. Isn't such a mechanism, in the global wide, an absolute transnational economic power!?



## Order Type Selection Strategy:

Considering the variety of trading methods, choosing the order type is one of the most important parts of determining the trading strategy. In the table below, it is tried to show the simplest method, types of orders:

Order Type	Order Execution Method	Completion Procedure	Expiration
Direct market execution	Buy	Complete filling or not registering an order (FOK)	It is a real-time transaction and can't expire.
		As much as possible, the order is filled (IOC)	
		Return	
	Sell	Complete filling or not registering an order (FOK)	
		As much as possible, the order is filled (IOC)	
		Return	
Provided	Buy Stop	Assignment when leaving the waiting queue	Valid until cancellation (GTC)
	Buy Limit		
	Buy Stop Limit		Until the end of today's trading session
	Sell Stop		Up to the specified date and time
	Sell Limit		Until a specified date.
	Sell Stop Limit		

The variety in ordering method should be considered as "increasing trading instruments and possibilities". A superior trading strategy is not limited to one type of order. On the other hand, in order to determine the volume at the time of order registration, it is appropriate to take action according to the type of order and analysis obtained through tools such as financial management. See some of the following examples:

- 1- If, for a Symbol, suitable conditions for registering a Buy order are discovered in "Trend" mode, two Buy orders must be registered at the same time in such a way that:

- 1-1- Order "Buy" as a "direct market" order with the lowest allowable trading volume (LOT) for that Symbol.
- 1-2- The "Buy Stop" order is a "conditional" order, but with an estimated volume by the "Financial Management" section, along with a specific date and time for its expiration.
- 2- If, for a Symbol, appropriate conditions for registering a Buy order are discovered in "Range" mode, two Buy orders must be registered at the same time as:
  - 2-1- Order "Buy" as a "direct market" order with the lowest allowable trading volume (LOT) for that Symbol.
  - 2-2- The "Buy Limit" order is a "conditional" order, but with an estimated volume by the "Financial Management" section, along with a specific date and time for its expiration.

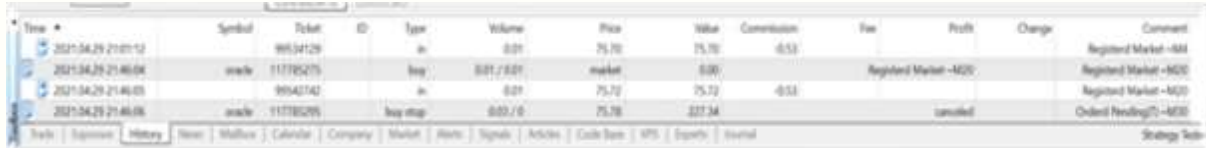
As can be seen in the two combined examples above, in addition to changing the "Conditional Order Execution Method" (Buy Stop and Buy Limit), the volume of trade in the "Direct Market" order has been reduced to the minimum allowable value for that Symbol. The goal of such a strategy is: if the price change process changes suddenly after the order is registered, from the direction that was predicted and calculated to the other direction (e.g., from the price increase to the price decrease), the registered order "direct market" will inflict the least possible loss, but the registered order "conditional", given that it does not meet its condition, has not been fulfilled, and if it does not arrive for a long time in such circumstances. Unforeseen, due to the expiry time of the order, that order will be completely deleted on the pending date. It is clear that if the current trend continues in accordance with the expected trend, after the condition inside the "conditional" order is fulfilled, that order will enter the trading stage.

### Closing position with net profit:

In order to calculate net profit, slugs such as commissions (brokerage fees) and swaps must be reduced from the amount of profit displayed in the "Profit" column of the "Trade" tab on the "Toolbox" toolbar to obtain a net profit. Of course, in some cases, the nature of the swap is not diminished and, in such cases, it should be added to the amount of profit displayed.

Symbol	Ticket	Time	Type	Volume	Price	S/F	T/F	Price	Bid	Swap	Profit	Change	Comment	
eurty	116278227	2021.05.03 13:19:41	Buy	0.01	10.02940	9.97966	=	10.04798	=	10.03175	10.03175	0.08	0.02 %	Registered Market-40
eurty	116278498	2021.05.03 13:21:05	Buy	0.02	10.03175	9.94281	=	10.05713	=	10.03175	20.96230	-0.05	-0.04 %	Ordered Pending 5-402
Balance: 101.45 USD Equity: 101.58 Margin: 1.21 Free Margin: 101.17 Margin Level: 3.401.16 %											4.47			

The fact is that some people forget about this for a variety of reasons, or during the calculation, they may be confused by some currency conversions and, assuming that the net profit has been achieved, untimely, they are closing the position. As a result, when they refer to the "History" tab, they are surprisingly faced with a bitter reality: Despite having closed the position in profitable conditions, they have suffered losses!



Time	Symbol	Ticket	ID	Type	Volume	Price	Value	Commission	Fee	Profit	Change	Comment
2021-04-29 21:07:12		8934129		in	0.01	75.70	75.70	-0.51				Registered Market -M20
2021-04-29 21:46:04	usdc	117785275		buy	0.01 / 0.01	market	0.00					Registered Market -M20
2021-04-29 21:46:05		8934142		in	0.01	75.72	75.72	-0.51				Registered Market -M20
2021-04-29 21:46:06	usdc	117785295		buy stop	0.01 / 0	75.70	0.0734					Ordered Pending(1) -M20

Perhaps the difference in the position of the slag columns, in two different tabs, may not be affected by the mistake of these people, because the "Commission" column is located in the "History" tab and the "Swap" column in the "Trade" tab, which is justified because of the technical and practical cause.

Such operational errors are of particular importance when determining "Take Profit", especially when trading an expensive Symbol or stock. In other words, the more commissions and swaps, the more and sometimes unbearable the losses caused by such operational mistakes.

The robot's internal mechanism, taking into account the type of currency "Deposit" and instantly calculating its parity with the Symbol's trading value at the present position, makes it difficult to avoid such a mistake in determining "Take Profit" and "Stop Loss" of Venice when automatically closing the position.

### Trend slope angle:

If there is a trend in the Symbol price increase or decrease track, it is definitely possible to draw a "Standard Deviation Channel" for that process. However, drawing a "StdDev Channel" should be accurate and based on determining the points that can ultimately be used to predict the process and ensure its continuity. The Fractal indicator can be used to identify the points needed to draw "StdDev Channel". Of course, the implementation of the "Fractal Adaptive Moving Average" indicator should also be tailored to the Symbol, time and time frame. The outputs of this indicator should also be carried out in accordance with the analysis and specifically delivered to the "StdDev Channel" tool to determine two specific times from the start of the candles(bars) in the studied time frame.

When a "StdDev Channel" is properly plotted, the first subject that occupies the mind of a pointer analyst is the angle of this channel relative to the horizon or the time axis on the chart. The angle with the eye is visible, but the fact is that this angle is not easily measurable because the chart

on which this channel is plotted does not have X and Y axes, with proportional and consistent measurement devices. When we use the tools next to the chart to resize the candles(bars) or compress the price axis, changing the angle of this channel causes more confusion. Note the six images below that are made up of different scenarios related to the display of a declining trend. As can be seen, by changing each dimension of the elements of the chart, the slope angle of the trend shows itself in a different shape and size. You might be more surprised if you know that angles less than one degree, many times, show themselves nearly 30 degrees or more!



Therefore, in order to calculate this very important angle, we need to use cloning mechanisms, based on mathematics, to finally achieve comparable results for different times, different Symbols and different time frames. Certainly, the volume of these calculations is very high, so that if we are to try to do these calculations manually or by calculator, the final result will be achieved when the opportunity to trade has passed. The best way to achieve the results of such heavy calculations is to

use robots. The robot can timely calculate the slope size of the angle we need, allowing us to avoid ordering based on detected trends that have small angles. In fact, by using the size of this angle, although we have achieved a process that has been identified by accurate calculations and the prediction provided for it, we have a high degree of confidence, but because the continuity and stability of the process is less than reliable, we ignore and prevent a loss in the transaction.

## Escaping high-risk times:

It is sometimes observed that despite the accurate diagnosis of a trend, after not too long since the order was registered, the predicted process changes direction. What's worse is: Even, waiting for a Symbol's current price to return to the predicted trend is not only useless, but it also increases losses and perhaps causes "Stop Out" conditions. In such cases, even analysts who believe in the accuracy of their calculations and are among the most experienced in the Forex and exchange world may reassess their calculations several times in order to try to avoid repeating such errors in future predictions in addition to misdiagnosing their operations in calculating the variables that led to this incorrect prediction.

Although the truth is that they may have used the best methods to predict the price change of Symbols, and there are no flaws in their computational operations, the hidden reality, which often remains out of view, has caused this opposite trend to change.

To better understand that hidden reality, it is useful to briefly explain the time zones of important stock markets and Forex. Pay attention to the list of several important markets:

- Sydney in Australia
- Tokyo in Japan
- Hong Kong
- Frankfurt in Germany
- London in United Kingdom
- New York in USA

Each market has its own time of activity, but in some cases, some activity hours overlap with the other. Conclusion: Although the Global Forex Market seems active 24 hours a day (five days a week), not all of its major constituent markets are active at the same time.

On the other hand, changing the price of Symbols depends on several obvious and unseen factors. Some of these factors are limited to a specific geographic area, while others are influenced by global events. National or religious holidays, international tensions between countries or wars, changing the procedures of a factory, statements by politicians, regional or global diseases and epidemics,

ratification of laws in the Parliament of countries or approvals of international organizations, reduction of reserves or discovery of metallic and non-metallic mineral mines, inventions and discoveries, and many more, can lead to a change in the price of Symbols. Of course, the root dependence of many Symbols on each other also causes a wave of price changes in a host of Symbols.

Old traders have repeatedly observed that after the closure of a local or national stock market, the trend of price change, contrary to analysts' expectations, varies on the day of the opening of the same market. Usually, the cause of this change of direction is related to events that occurred during the market closures. Perhaps that's why experienced people stop registering an order sometime before the end of a local or country market, or before the end of a Symbol's exclusive trading session.

The hidden fact to consider is the "Threshold for the end time of the activity of important Forex markets". In other words: Although with the end or even before the end of the time of activity of an important market, another market is activated, but the factors affecting the activity of the next markets, usually influenced by the time and geographical location of those markets, change the approach of traders and traders.

For this reason, some professors not only recommend that we do not register an order on the eve of the end of the activity of an important market, but also believe that in stable conditions, if it is anticipated that in case of registering reliable orders that will likely lead to the reopening of the positions, until after the end of the activity of important market and the start of another important interval activity, it is avoided because there is a lot of risk for trading in these time intervals. be, consider.

If we would like the robot to follow this strategy and avoid the times when the risk of opening positions and keeping open orders in those conditions is high, we should enable the "Use in Time Zone Only" option from the "Time frames analysis settings" section.

## Working with stock markets:

This robot has the ability to adapt to the stock exchange markets so that the Symbols are considered only as Symbols of corporate stocks, limited offers and transactions to valuable stocks.

This is possible by changing some option "General Settings". Simply set the "Trading method" option to "Only Stock Trading" in the "General Settings" section.

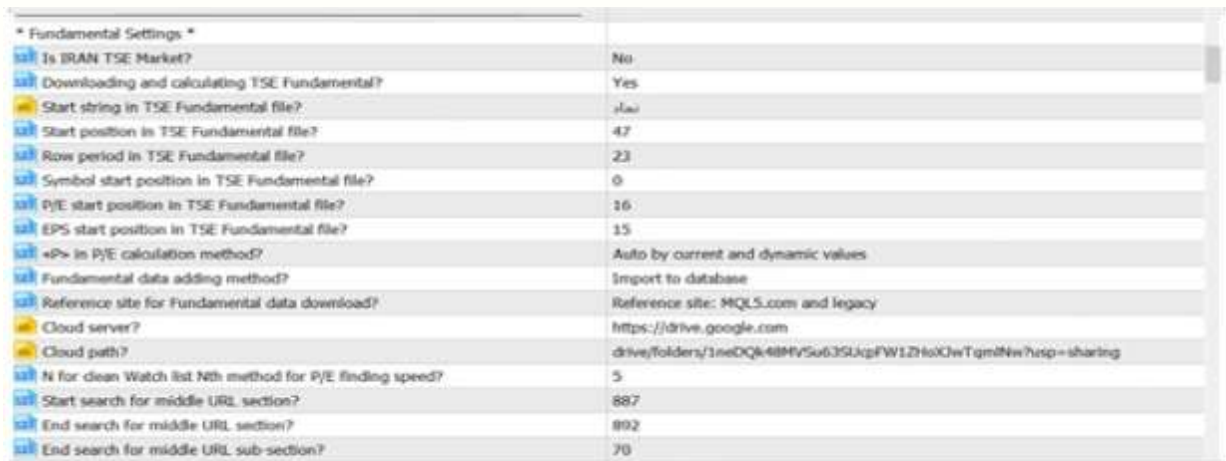
If faced with such situations, the robot automatically considers other ranking parameters, including "price increase acceleration" and "price increase speed". Some of these parameters have a reverse effect on the rankings.

By default, when working with the stock market, it is better for the robot to exit the "automated trading" mode and offer only for trading. Considering the risks and risks of automated trading in the stock market, it is recommended that you keep the "Order Registration Method (Stock Only)" option equal to "Advise" and do not change.

## Special Stock Markets:

Some stock markets have unique rules and parameters, such as "Tehran Stock Exchange-TSE". For this purpose, special settings are considered in the "Fundamental Settings" section.

For example, in the Iranian Stock Exchange, there is an important parameter such as P/E (price per Earn). These parameters are evaluated inversely at the time of ranking.



* Fundamental Settings *	
Is IRAN TSE Market?	No
Downloading and calculating TSE Fundamental?	Yes
Start string in TSE Fundamental file?	لای
Start position in TSE Fundamental file?	47
Row period in TSE Fundamental file?	23
Symbol start position in TSE Fundamental file?	0
P/E start position in TSE Fundamental file?	16
EPS start position in TSE Fundamental file?	15
<P> in P/E calculation method?	Auto by current and dynamic values
Fundamental data adding method?	Import to database
Reference site for Fundamental data download?	Reference site: MQL5.com and legacy
Cloud server?	https://drive.google.com
Cloud path?	drive/folders/1neDQk48Mv5u63SLUjgFW1ZhsXJwTgmNw?usp=sharing
N for clean Watch list Nth method for P/E finding speed?	5
Start search for middle URL section?	887
End search for middle URL section?	892
End search for middle URL sub-section?	70

**Note:** If you use the custom version of MetaTrader5 with the brand name MofidTrader5 to evaluate the "Iranian Stock Exchange", the robot will automatically display Jalali Calendar at the bottom of the charts.



## Tired Market and Symbol fatigue:

Neglecting the market situation under the pretext of focusing on the behavior of Symbols sometimes cause irreparable damages. Some people, with great effort and extensive research, develop pure strategies that, with a high percentage of success, lead to a lot of profitability in trading, but suddenly, in the blink of an eye, they are having lost everything they had accumulated!

Perhaps if we examine their strategy and technique over and over again, we will not find any problems, but the reality is: a strong and seemingly flawless strategy has failed and has resulted in heavy losses.

Unfortunately, many valuable strategies have been abandoned after dealing with such a situation, or have suffered unnecessary and incorrect changes, while sometimes neglecting two important issues: "Tired Market" and "Symbol fatigue" have caused the correct analysis to be put into the time trap, resulting in losses due to changes resulting from prolonged analysis intervals from the current situation.

### Tired Market:

If we look at the general market conditions before taking any action and use a benchmark to measure market activity, then we can stop registering the order in a timely way or make an order on time.

In other words, if the market is tired and does not have much activity, we are likely to face losses after registering an order, which is based on a detailed analysis and has been done correctly in any way, due to the long delay in continuing the trend of a Symbol, due to the unexpected decline or slowness of trading, after an unexpected change in the Incremental, Declining or Range trend.

Market activeness is not only a privilege and can have a direct impact in calculating the percentage of confidence in the predicted trend, but it can also be considered as a prerequisite for starting the analysis of Symbols. Both possibilities are embedded in the "SM01Forex" robot.

### Symbol fatigue:

Sometimes, with the reviews we do, we make sure that the market is not tired and active enough. On the other hand, we have done the most accurate analysis of a Symbol, and based on a good and reliable strategy, we have undoubtedly predicted an Incremental, Declining or Range trend, but sometime after registering an order, all the predictions will be watered down and the process will change and eventually we will be affected!

Unfortunately, some people, although they have presented such strong analyses with high certainty, are rushing to change their strategy and analysis parameters by observing this failure, while sometimes the problem has been related to "Symbol fatigue". In other words, the time of entering

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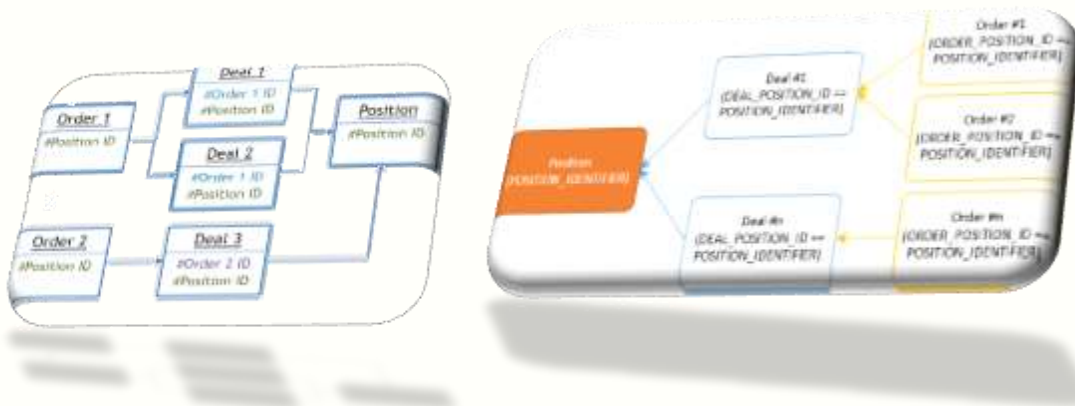
the transaction or the time of review and analysis is inappropriate, the analyst, when examining the conditions and predicting the trend of a Symbol, the transactions related to that Symbol have been reduced or slowed down.

The traditional view in analyzing the trend of Symbols evaluates the fatigue of Symbols sometimes by acceleration indicators and oscillators, but the "SM01Forex" robot, in addition to using acceleration indicators and oscillators, it also uses different mechanisms and indicators, such that: not only can it consider the size of the Symbol's activity as a score, in calculating the percentage of confidence in predicting the trend of a Symbol, but also as a requirement. And the prerequisite for starting to analyze a Symbol is.

## Risk control and trading slag:

Today, trade relations and mechanisms governing the market have led to complex parameters in trading. Cases such as swaps (overnight interest) and commissions are among the slags that affect transactions in different ways in accordance with the views and decisions of the brokerage, as sometimes, while a good profit has been made for a transaction, but the balance of the account has been lower, rather than the increase! In this robot, the mechanism of calculations of many such slags is considered.

If you pay attention to the specific relationships of "Order", "Deal" and "Position", you will notice that the calculations of some slags are very difficult or impossible before ordering and starting a trade, and more importantly, calculating the slags, when the position is open and its connection to the unique number of "Order", "Deal" and "Position", has complex problems, especially since at this time, it usually has to be a kind of conversion of the value of the client's main currency into the existing currency in the position, also perform online. The specific relationships of these trading stages are shown in the following two screenshots:



## Swap:

Many brokerages consider a swap for open positions that are transferred to the next business day. Often swaps are two types: short-term and long-term. For example, if a position stays, it is calculated for every night, a short swap, but if the position stays three nights, this time a big swap is considered.

The robot is programmed to default, in calculating profits and losses, if it belongs to positions, swaps, converts it from the client's account currency to the currency traded at an open position, and when performing very important operations such as "price follower" or "exit without loss", it also makes the minimum necessary profit in the relevant calculations so that the user does not lose.

## Commission:

Commission calculation is much more difficult than swaps, especially for stock trading. The performance of brokers in relation to the commission is different and it is possible that a broker will consider a few different methods for calculating the commission. Sometimes, in "Range" mode positions (fluctuations in a relatively fixed range), even if all calculations and predictions are correct, if the commission size is greater than the distance between the boundaries of the range, with much greater probability, the profits earned from positions in that range are useless and the commission will cause a lucrative transaction to reduce capital! Therefore, in these cases, the robot tries to ignore many seemingly good situations because it is equipped with several types of commissioning mechanisms and in later writings will probably have better predictions using other sources. (This requires negotiations and consultations with brokers.)

To calculate the Commission, you must pay attention to the fixed or variable of the Commission for each transaction or "LOT", the effect or ineffectiveness of "Leverage" or the time of calculation (at the beginning of the transaction, the end of the transaction, or both). For example, when we come across a Symbol whose commission is calculated as follows: "0.7% in USD per LOT Instant, in deals", we need to know that there is a difficult calculation ahead because we need to calculate the "Margin" value before ordering, in values and percentages, and finally with the US dollar, we have to calculate the commission with high accuracy and in a short time.

## Bitter smiling lips!:

If you look to the middle of the chart during the robot's endless work and activities, where news reports are constantly showing, you will see many times that you will be left out of good positions with good weight points. If you look at the end of the reports, or even the dynamic reports that are changing rapidly on the right and top of the chart, you will notice that the reason for the robot's waiver of such seemingly good situations is the unique predictions embedded solely in this robot. At this point, a smile is on your lips because you will be satisfied that the robot has prevented you from certain losses, but a few moments later, you may remember that many people, in such circumstances, have rushed into the deal and will face losses in a few minutes. Doesn't this pity bitter the sweetness of that smile!?

## Stop Out:

The theme of "Stop Out" is a very uncomfortable and detrimental category. When an account meets stop out conditions, the broker will be forced to close the client's largest open positions. This imposes heavy losses on the customer. In the financial management section of the robot, an

automated tool is provided to prevent stop out conditions before or during ordering. In this section, in addition to the user-changeable parameters, it is possible to automatically calculate based on account information with the broker.

### **Intelligent (and perhaps profitable) withdrawal from loss-making trades:**

It is quite clear that the detection of price change is always a kind of prediction. As explained, the requirement for any wise prediction is "uncertainty." Therefore, for each prediction, there is a percentage probability of realization and a percentage of probability of unfulfilled.

Just as the accuracy of the calculations is attempted to increase the accuracy of the calculations and subsequently increase the percentage of probability of the realization of predictions, we must devise the time when faced with the bitter conditions of "failure to fulfill the predictions of the process".

In other words, when, based on the most accurate calculations, it is predicted that the price of a Symbol will increase, and for this reason, one or more purchase orders have been registered, but after a while, not only that prediction has not been fulfilled, but on the contrary, we see the beginning and continuation of an opposing trend, i.e., the price reduction, and then we see that the number of losses is constantly increasing.

What should we really do in such circumstances? Do we have to wait until the predetermined "Stop Loss" causes the loss to close? Should we act as soon as possible and manually close with the loss of trading? If we do, and then find out that after a while, the conditions have changed and the price change of that Symbol is in line with the anticipated trend, what justification will we have for manually closing the position or automatically closing it (for dealing with Stop Loss) that has resulted in our losses?

Being in such a situation for positions with high volumes or heavy financial value is the same as when a pilot of a large airliner is in unpredictable circumstances of the crash and has a short opportunity to make a decision. That pilot, at any moment, with continuous analysis, must repeatedly decide to continue on the route and land the plane at the destination airport, or have an emergency landing at the earliest possible position, in order to possibly inflict the least damage on the aircraft and passengers, or to test its chances of continuing the journey, as it is likely that technical defects will be resolved before reaching the threshold of tolerance for navigation equipment so the plane won't crash.



In such circumstances, we have to make decisions like the same pilot. But is there really no better way to get away from these situations? Is it not possible to turn "threats" into "opportunities"?

Using some kind of "Hedge" mechanism in terms of a detrimental reverse trend can not only reduce losses, but may even cause us to make a profit!

In fact, in such circumstances where an analyzed trend (not a hypothetical odds-based trend) is placed in reverse conditions, we can, after considering the conditions, register the order in the opposite order to the predicted trend, causing the loss to decrease or even turn into a profit. Some of these conditions are as follows:

- As long as there is a order for the Symbol in the opposite direction, the order should not be registered in the opposite direction of the trend.
- If there is no order for the opposite trend for that Symbol beforehand, only an order should be registered in the opposite direction of the predicted trend, with a volume equal to the sum of order volumes in accordance with the predicted trend of that Symbol.
- If the order is registered for the opposite trend, it is necessary to determine "Stop Loss" and "Take Profit" with a minimum reasonable distance (but slightly more than the usual fluctuations of that Symbol).
- In case of automatic closure of the order based on the opposite trend, if at least one of the orders in line with the trend in line with that Symbol remains open, it should be done in real time, with the conditions mentioned above, to register another order in order to the opposite trend.

If, like the "SM01Forex" robot, we use a clever "Trailing" mechanism, we will surprisingly see a number of profitable transactions for the same Symbol that has suffered losses due to previous order or orders!

Even sometimes, if we look at the history of recent trading, we encounter a host of closed trades from that Symbol that have generated more profits than the losses (caused by the change of trend) to make low profits, collectively!

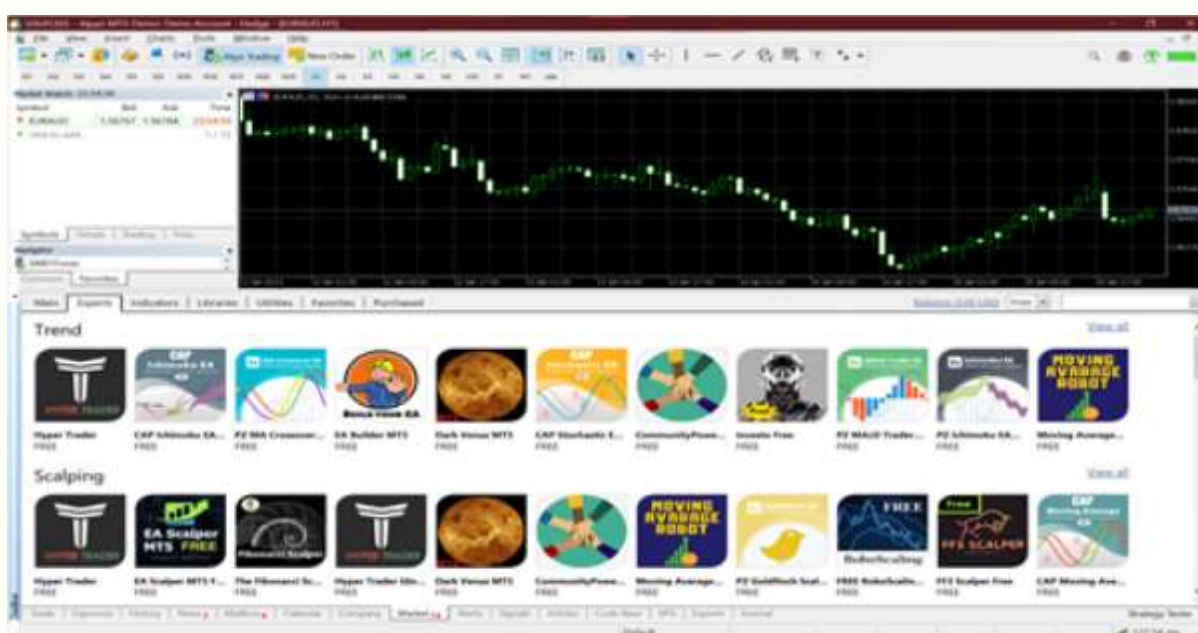


## How to make robots:

In the manufacture and procurement of this robot, international law and the requirements of MetaQuotes® are taken into account. Therefore, it is anticipated that the legal supply of this product, even as possible, will be done through the company's store. MetaQuotes® provides enthusiasts with the following address:

<https://www.mql5.com/en/market>

Another way to quickly access the company's store, from within MetaTrader software, is to use the Market tab in the Toolbox section.



If the robot is not upgraded, in accordance with international law and in coordination with MetaQuotes®, it is possible to provide the SM01Forex robot in this way.

### **Tips:**

MetaQuotes® considers itself bound by global trade laws and has taken a transparent policy on the supply of products and services in accordance with international restrictions or licenses (such as the FATF agreement).

Therefore, more than "Product Author License" is needed to make a product available in the Market section.

## Robot installation method:

Before installing the robot, it must be installed on the computer, i.e., the original MetaTrader5 version or its custom versions.

**Note 1:** *Some brokers ask their clients to use the custom version of MetaTrader5, which is exclusively provided for those brokers, for example: "Mofid Brokerage" (in Iran) with the brand name "MofidTrader5" or FBS broker "FBS MT5".*

**Note 2:** *Although this robot has the possibility to work on 32-bit versions of MetaTrader5 by changing some settings, it is strongly recommended to use the 64-bit version, remember that the 64-bit MetaTrader5 version can only be installed on the 64-bit operating system.*

To download and install MetaTrader5 software, you can refer to the following addresses:

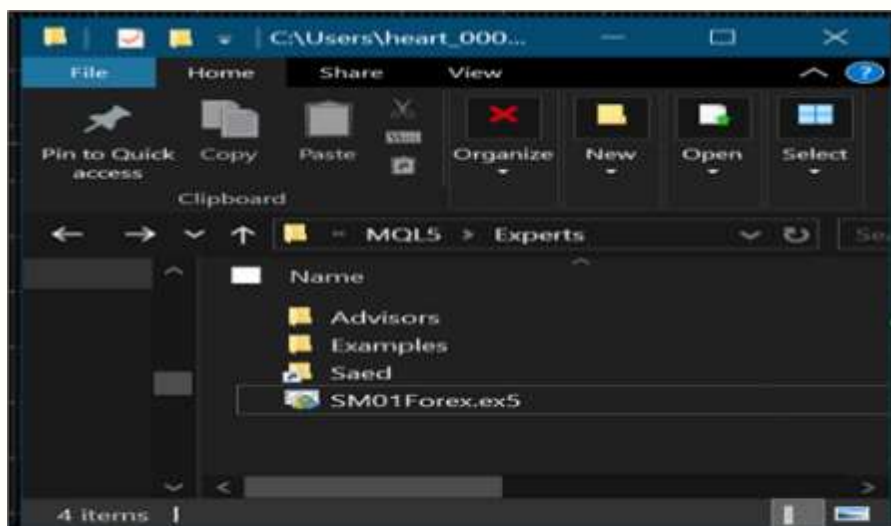
MetaTrader5: <https://www.metatrader5.com/en/download>

MofidTrader5: <https://emofid.com/trades/platforms/mofidtrader>

FBS MT5: <https://fbs.com/trading/platforms?active=mt5>

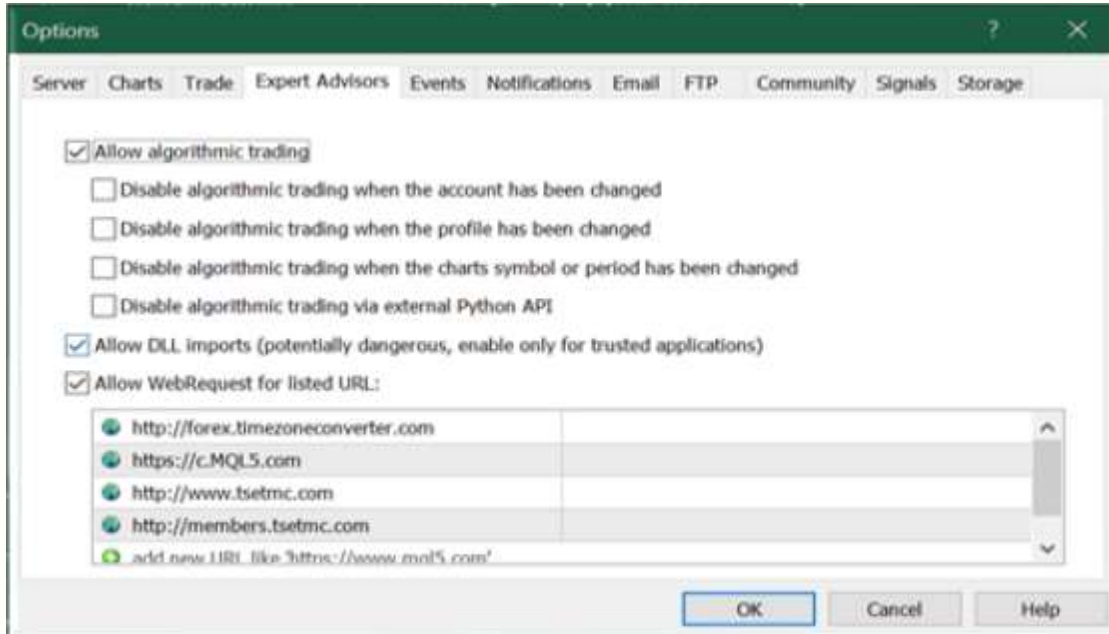
The SM01Forex robot is actually an "Expert Advisor", and to use this Expert, you need to copy the file (SM01Forex.ex5) to the MQL5\Experts subfolder. To access this folder, simply click the "Open Data Folder" submenu in MetaTrader5 from the main File menu.

The folder returns, which includes other folders. Open the MQL5 folder; Now, open the Experts folder, put the SM01Forex.ex5 file in it.

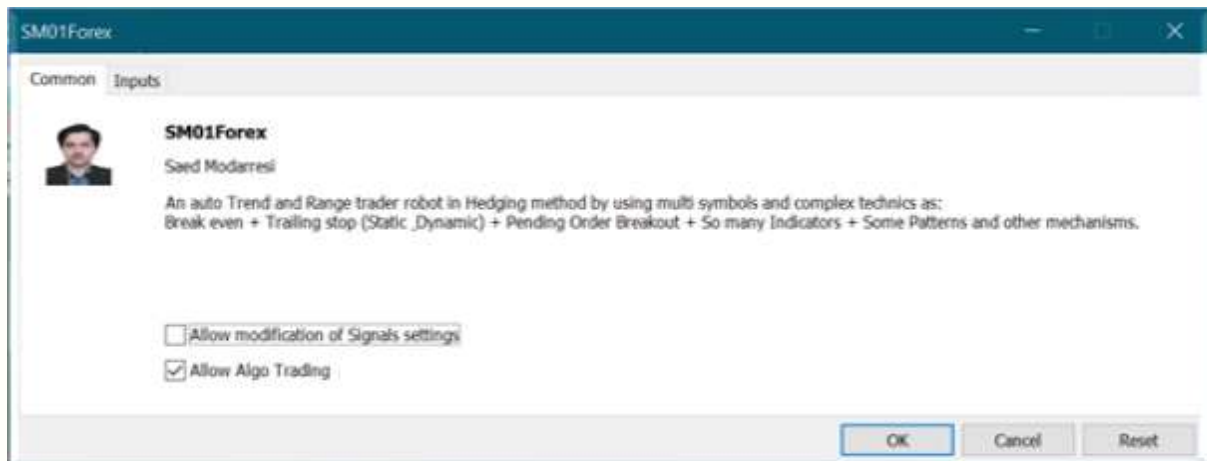


Close the folder and go back to MetaTrader5. In the Navigator window, you can see the SM01Forex robot in the "Expert Advisors" subset. If you don't find it, simply click on the "Expert Advisors" twitch and click Refresh from the opened menu. In this way, the robot's name appears.

Before running experts (like this robot), you must allow MetaTrader5 software to run automatically. Simply click Options from the main menu "Tools" and open from a window and in the "Expert Advisors" tab, enter the "Allow automated trading" option by stating v active, entering addresses as shown below in the "Allow WebRequest for listed URL" section.



To launch the robot, you need to DoubleClick on it or drag it on the chart you want to immediately open a window.



The Common header offers a brief introduction of the robot. Leave both options at the end of the page in default mode because you don't need to change the settings of this section.

This page has two other important issues: A Version number and a link to its author profile. If you need to upgrade or follow up the official process of preparing a document with a license and

credentials, by clicking on the author's name, you will directly enter his profile page and see ways to access him.

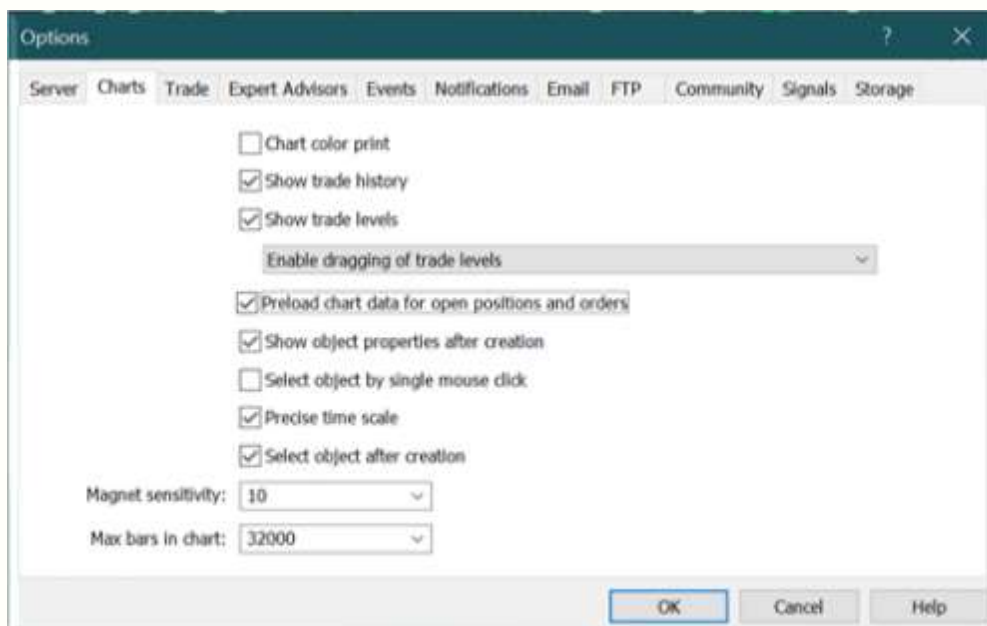
### First execution:

As a Realtime system, this robot requires continuous maintenance and updating of its local database. The mechanism embedded in it is also such that in the worst-case scenario, even low speeds of internet access and inappropriate infrastructure try to fetch information. So, if it's the first time you're launching it on a terminal, you'll see its slow introductory function in the first cycle of checking Symbols. In fact, the robot has not slowed, but spends more time collecting information in the first stage.

It's not a concern because in the next steps, slowly the processing speed increases to reach the desired level, so be patient.

### System optimization and requirements:

If you click Options from the Main menu Tools and go to the "Charts" tab from the opened window, you can make the robot more fluent and faster by selecting the "Preload chart data for open positions and orders" option.



Also, at the end of this header, there is another important option that is very effective on the performance of the robot when the number of Symbols under investigation is high. The value of the parameter "Max bars in chart" must be determined according to the RAM of the computer (Terminal). An experimental formula to determine this value is as follows:

$$\text{RAM}^{\text{GB}} \times 2 \times 1000$$

For example: If the RAM on the host computer is equal to 8<sup>GB</sup>, then the experimental value for this parameter will be 32,000. **However, normally, there is no need to change the default value of this parameter, except that the number of Symbols is too high and the robot faces a lot of problems.**

It is quite clear that the greater the amount of RAM, the better the robot works. It is suggested that the host computer of this robot has more than 8<sup>GB</sup> of memory, but based on the experiments, the rover of computers with 4<sup>GB</sup> of memory also works.

Having OpenCL's ability to work for a computer graphics card increases the efficiency of this robot, it is recommended in MetaTrader5 guide that "Graphic Card" has an OpenCL feature and its driver is installed.

Hard disk speed (H.D.D.) is also very important for situations where robots must monitor a large number of Symbols at all times. The internal structure of MetaTrader5 is such that in such circumstances, the bulk of files with the .hc and .hcc extensions are updated at the same time as the opening. In the meanwhile, the robot is trying to fetch a lot of information from the Server and keep its local database on the host computer up to day. In such situations, slow and old hard disks disrupt the performance of robot and host computer. Therefore, it is recommended to consider the existence of high-capacity hard disks and high speed when choosing a computer for the installation of MetaTrader5 terminal. Given that SSD types of hard disks at 7000<sup>RPM</sup> are also working faster, SSD can be considered as a good choice for storage media.

Note that MetaTrader5-based robots are practically real real-time systems. MetaTrader5 is a very strong infrastructure as it allows robots to use most system and computer resources. Therefore, if old and weak computers are used to use this robot, although the robot will start working, but according to the terms of the broker, server, internet speed and especially the number of Symbols examined, you may see a very difficult and delayed computer response to user commands. For example: Even for moments, the screen and the image may turn black and look like the graphics card is not responding, even the mouse pointer may not be viewed for a while. Therefore, it is recommended to use computers and appropriate equipment as soon as possible.

### Version number:

As explained, this robot is an expert advisor based on the MetaTrader5 platform. Therefore, like any other software, it has a version number that is only increased by the author. The three sections of its number are as follows:

- **Main Number** :*This number increases for each time creating new features, changes, basic optimization and fixing very important and vital bugs.*

- **Sub-number** :This number is a subset of the first part. In other words, after increasing the original number, this number, is reset to 1, for any small, non-political change, or apparent optimization.
- **License Number** :This number is independent of the previous two sections and increases according to in-app permissions.

**XXX.XXX.XXX**

### Run multiple robots at the same time:

The structure of this robot is based on network programming (Computer network). Therefore, on a terminal, a number of charts can be opened and the robot can be executed on each chart. In other words, a large number of versions of this robot can be used at the same time, in a terminal (and on a computer).

While several versions of this robot are enabled on a terminal, there is no disruption to access to databases, free charts (charts without "Expert" or "Script") and access to system resources such as RAM, Storage, etc. Because as many programmers as possible have been avoided at the time of programming, based on the features provided by the programming language "MQL5", based on the MetaTrader5 platform.

The concurrence of several versions of the robot on a terminal has some advantages, including: speeding up and maintaining the updating of trading information of Symbols, checking and analyzing a large number of Symbols at the same time (without waiting for the end of a Symbol's evaluation and starting another Symbol evaluation), using a shared database, exploiting statistical information created by other robots, etc.

However, it is clear that the use of this feature is directly dependent on the ability and system resources of the host computer (the computer on which the terminal was run). Naturally, the internal structure of "MetaTrader5" terminal is equipped with complex mechanisms to automatically correct internal errors affected by the reciprocal behavior of the host computer's system resources (e.g., Timeouts, Idletims, etc.), but in dealing with some inconsistencies and "machine level errors" or systems, it may apply "stop service" or "emergency end of activity" mode in the continuation of some robots.

Although "MetaQuotes®" has envisioned more compatibility capabilities and internal error fixes in the newer "MetaTrader5" versions and continues to try to develop it, it is suggested that you



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implement a number of compatibility tests on your computer or computers in different time ranges and different conditions before planning to use "SM01Forex" robot capability.

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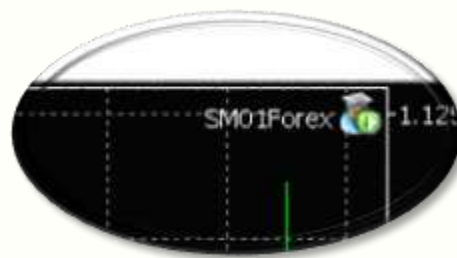
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## Working with robot:

### Start trading:

After running and verifying the parameters, by clicking the OK button, the started robot will automatically extract the signals and register orders.

The first and most important indication of the activation of the robot is its marking in the upper and right corners of the chart.



### Use buttons:

As can be seen in the image, there are a number of color buttons in the upper and left corners of the chart.




Each button has a special function that if you fix the mouse pointer on it, you will see a small description of its task as "Tool tips".

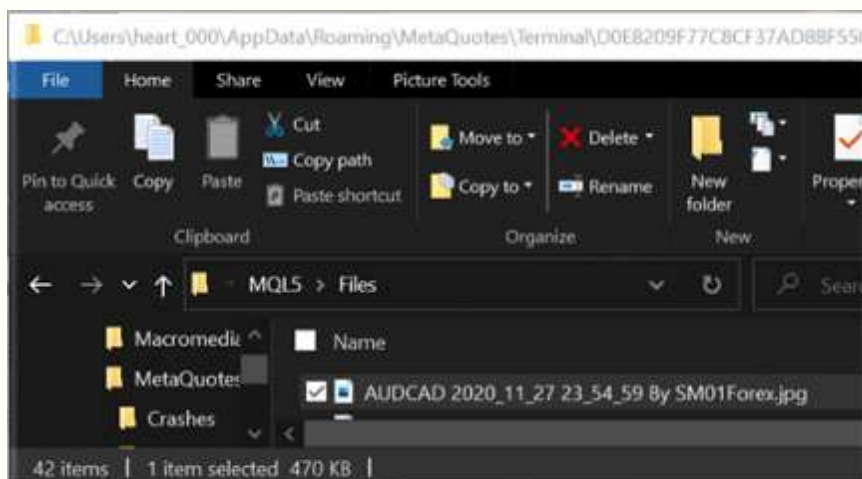


**Important:** In the last row of keys, it is possible to place manual orders, tailored to the user's diagnosis, on the Symbol that is now displayed on the chart.

The distinction between these buttons and MetaTrader's main built-in actors is: *If the user registers the healing using these buttons, the robot will automatically place that order in the category of orders it has registered, and will perform automatic and important mechanisms such as "follow-up Stop Loss".*


Screenshot button:

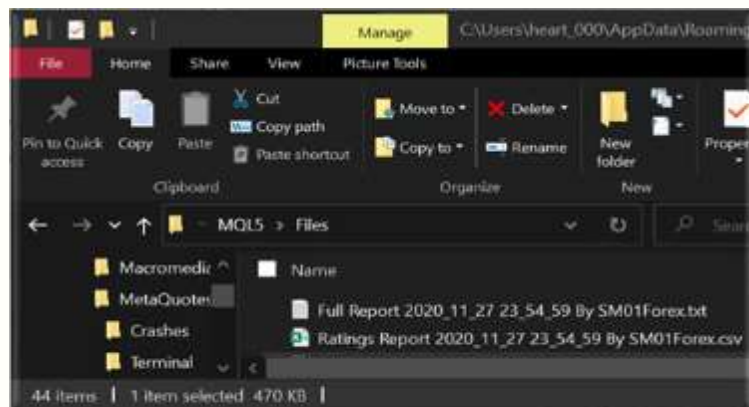
If you click the "Screenshot"  button, from the main chart, as you can see, a Screenshot is prepared and stored as an image file with .jpg extension in the "MQL5\Files" subfolder.




The file name is also a combination of the name of the active Symbol on the chart and the time of the screenshot.

### Report button:

If you click on the "Report"  , Two full report files, including all analyses, ratings and conditions, are created textually in the "MQL5\Files" subfolder with .txt and .csv extensions. The names of these files indicate their content and the time of creating the report.




### Help button:


If you click the "Small Help" button  , a brief, practical guide will be written on the page.



The guide will be on the chart for a short time, and the robot will display other information on the chart instead, but if you need more time to read, you can create unlimited delays by clicking the


"Pause" button  . Note that by clicking this button, you have practically prevented the robot from continuing to operate, and you may cause trading opportunities to be lost if you stop for a long time.

#### Market timing button:


If you click on the "Market Hours" button  , on the main chart, Displays the approximate time of the market activity in which the robot is currently operating. To extract this information, it is extracted from defaults and information that can be extracted from sites such as the following sites:

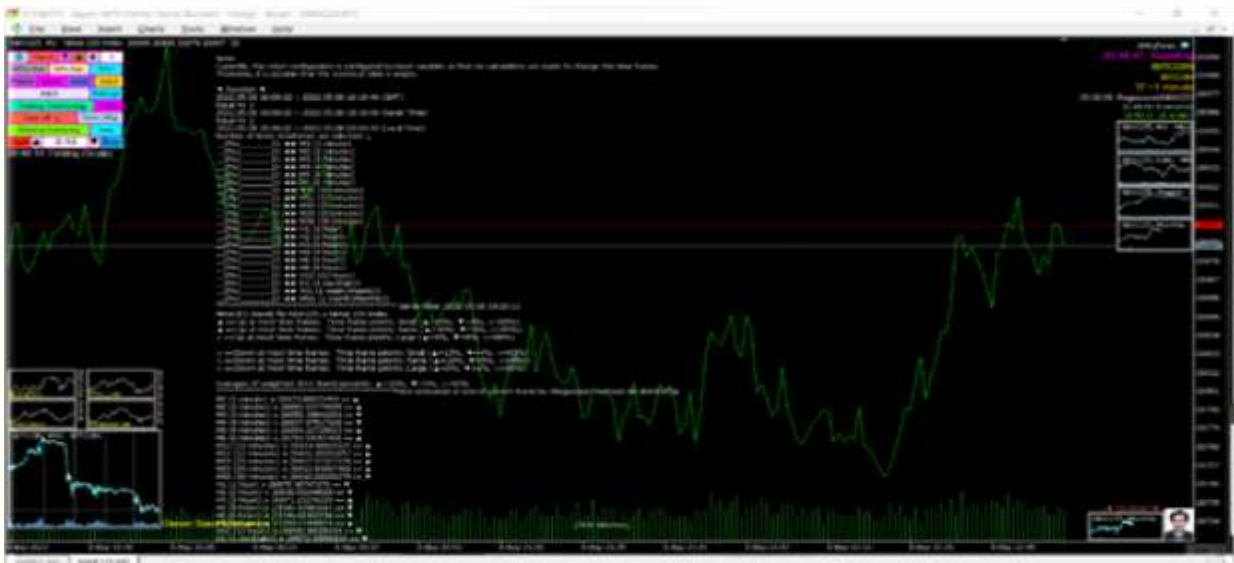
<http://Forex.TimezoneConverter.com>

<https://TSE.ir>

The schedule will be on the chart for a short time, and the robot will display other information on the chart instead, but if you need more time to read, you can create unlimited delays by clicking the "Pause" button  . Note that by clicking this button, you have practically prevented the robot from continuing to operate, and you may cause trading opportunities to be lost if you stop for a long time.

#### Time Frames Analysis Button:

If you click on the "Timeframes Analyzer" button  , a detailed analysis of the status of time frames and their talent for the occurrence of suitable conditions and trading opportunities will be calculated and displayed.





Finally, an interesting summary of the status of the possible trend is displayed in all time frames for the Symbol that is active on the main chart. In this summary, the current situation, with prioritized views, is observed separately for uptrends and downtrends. (Weight preference of time frames: more weight of smaller time frames, matched weight for all time frames, more weight of larger time frames)

```


▼ Duration ▼
2022.03.10 15:53:34 ~ 2022.03.10 16:05:21 (GMT)
Equal to: t
2022.03.10 17:53:34 ~ 2022.03.10 18:05:22 (Server Time)
Equal to: t
2022.03.10 19:23:34 ~ 2022.03.10 19:35:21 (Local Time)
Number of times timeframes are selected: t
0% ( 0 ) ▲▶ M1 (1 minutes)
0% ( 0 ) ▲▶ M2 (2 minutes)
0% ( 0 ) ▲▶ M3 (3 minutes)
0% ( 0 ) ▲▶ M4 (4 minutes)
0% ( 0 ) ▲▶ M5 (5 minutes)
0% ( 0 ) ▲▶ M6 (6 minutes)
0% ( 0 ) ▲▶ M10 (10 minutes)
0% ( 0 ) ▲▶ M12 (12 minutes)
0% ( 0 ) ▲▶ M15 (15 minutes)
0% ( 1 ) ▲▶ M20 (20 minutes)
13% ( 2 ) ▲▶ M30 (30 minutes)
0% ( 1 ) ▲▶ H1 (1 hour)
0% ( 1 ) ▲▶ H2 (2 hours)
13% ( 2 ) ▲▶ H3 (3 hours)
0% ( 0 ) ▲▶ H4 (4 hours)
0% ( 0 ) ▲▶ H6 (6 hours)
0% ( 0 ) ▲▶ H8 (8 hours)
0% ( 0 ) ▲▶ H12 (12 hours)
13% ( 2 ) ▲▶ D1 (1 day (Daily))
13% ( 2 ) ▲▶ W1 (1 week (Weekly))
10% ( 3 ) ▲▶ MN1 (1 month (Monthly))
----- Server time: 2022.03.10 18:05:26
Minor 3D1 trends for XAGUSD = Silver Spot
▲ ↔ Up at most time frames. Time frame priority: Small (▲=26%, ▼=0%, ◊=74%)
▲ ↔ Up at most time frames. Time frame priority: Same (▲=38%, ▼=0%, ◊=62%)
▲ ↔ Up at most time frames. Time frame priority: Large (▲=50%, ▼=0%, ◊=50%)
◊ ↔ Down at most time frames. Time frame priority: Small (▲=26%, ▼=0%, ◊=74%)
◊ ↔ Up at most time frames. Time frame priority: Same (▲=38%, ▼=0%, ◊=62%)
◊ ↔ Up at most time frames. Time frame priority: Large (▲=50%, ▼=0%, ◊=50%)
Averages of weighted 3Dv1 trend percents: ▲=38%, ▼=0%, ◊=62%
    
```

Also, by Regression method, the weighted price forecast at the end of the current frame is displayed for each time frame, along with a symbol indicating the increase, decrease or non-change of the predicted weighted price compared to the previous frame, which is of particular importance to experts. For comparison, the weighted price of the last frame is also given by the usual method along with the price regression prediction.


```

*****Price estimated at end of current frame by «Regression method» for (USDZAR):
M1 (1 minute) ≈ 16.22517000 ↔ ▲ (weight price ≈ 16.22322000 ↔ ▼) Frames aligned=-3 ↔ {Smallest TF}
M2 (2 minutes) ≈ 16.22165000 ↔ ▼ (weight price ≈ 16.22380000 ↔ ▼) Frames aligned=-3
M3 (3 minutes) ≈ 16.22293000 ↔ ▲ (weight price ≈ 16.22477000 ↔ ▼) Frames aligned=0
M4 (4 minutes) ≈ 16.22687000 ↔ ▲ (weight price ≈ 16.22511000 ↔ ▼) Frames aligned=0
M5 (5 minutes) ≈ 16.23162000 ↔ ▲ (weight price ≈ 16.22573000 ↔ ▼) Frames aligned=0
M6 (6 minutes) ≈ 16.23713000 ↔ ▲ (weight price ≈ 16.22587000 ↔ ▼) Frames aligned=0 ↔ {Biggest trailing hedge TF}
M10 (10 minutes) ≈ 16.24500000 ↔ ▼ (weight price ≈ 16.22545000 ↔ ▼) Frames aligned=0
M12 (12 minutes) ≈ 16.23869000 ↔ ▼ (weight price ≈ 16.22512000 ↔ ▼) Frames aligned=0
M15 (15 minutes) ≈ 16.23764000 ↔ ▲ (weight price ≈ 16.22615000 ↔ ▼) Frames aligned=0
M20 (20 minutes) ≈ 16.24851000 ↔ ▼ (weight price ≈ 16.22698000 ↔ ▼) Frames aligned=0
M30 (30 minutes) ≈ 16.22384000 ↔ ▼ (weight price ≈ 16.22729000 ↔ ▼) Frames aligned=-3 ↔ {SL/TP Time Frame}
H1 (1 hour) ≈ 16.27012000 ↔ ▲ (weight price ≈ 16.23200000 ↔ ▼) Frames aligned=0
H2 (2 hours) ≈ 16.18406000 ↔ ▲ (weight price ≈ 16.23692000 ↔ ▼) Frames aligned=-1
H3 (3 hours) ≈ 16.24431000 ↔ ▲ (weight price ≈ 16.23619000 ↔ ▼) Frames aligned=3
H4 (4 hours) ≈ 16.18653000 ↔ ▲ (weight price ≈ 16.23498000 ↔ ▼) Frames aligned=0
H6 (6 hours) ≈ 16.01648000 ↔ ▼ (weight price ≈ 16.23269000 ↔ ▲) Frames aligned=0
H8 (8 hours) ≈ 15.99293000 ↔ ▲ (weight price ≈ 16.22655000 ↔ ▲) Frames aligned=0
H12 (12 hours) ≈ 16.21056000 ↔ ▲ (weight price ≈ 16.21313000 ↔ ▲) Frames aligned=3
D1 (1 day (Daily)) ≈ 16.14170000 ↔ ▲ (weight price ≈ 16.19081000 ↔ ▲) Frames aligned=0
W1 (1 week (weekly)) ≈ 15.13157000 ↔ ▲ (weight price ≈ 15.93354000 ↔ ▲) Frames aligned=0
MN1 (1 month (Monthly)) ≈ 14.66514000 ↔ ▲ (weight price ≈ 15.40081000 ↔ ▲) Frames aligned=0
    
```




Analysis will be on the chart for a short time, and the robot will display other information on the chart instead, but if you need more time to read, you can create unlimited delays by clicking the "Pause" button . Note that by clicking this button, you have practically prevented the robot from continuing to operate, and you may cause trading opportunities to be lost if you stop for a long time.


**Eraser button:**

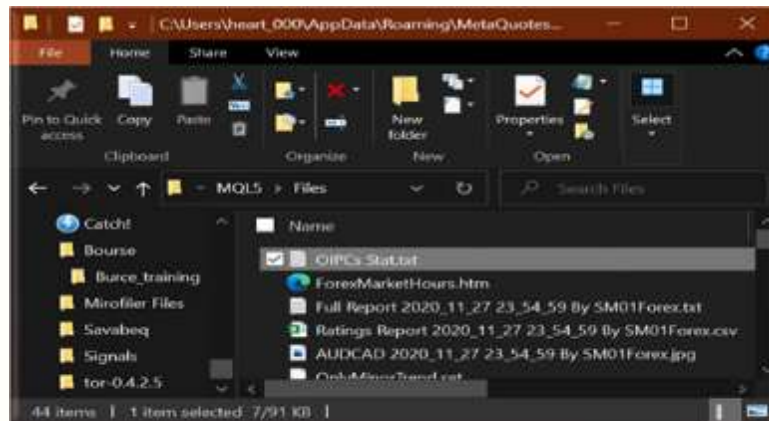
If you click the "Chart Cleaner" button , the entries in the middle area of the main chart will be deleted for a short time.



The chart will remain clean for a short time, and the robot will display other information on the chart instead, but if you need more time (Like when you're preparing a report or visual article), you can create unlimited delays by clicking the "Pause" button . Note that by clicking this button, you have practically prevented the robot from continuing to operate, and you may cause trading opportunities to be lost if you stop for a long time.

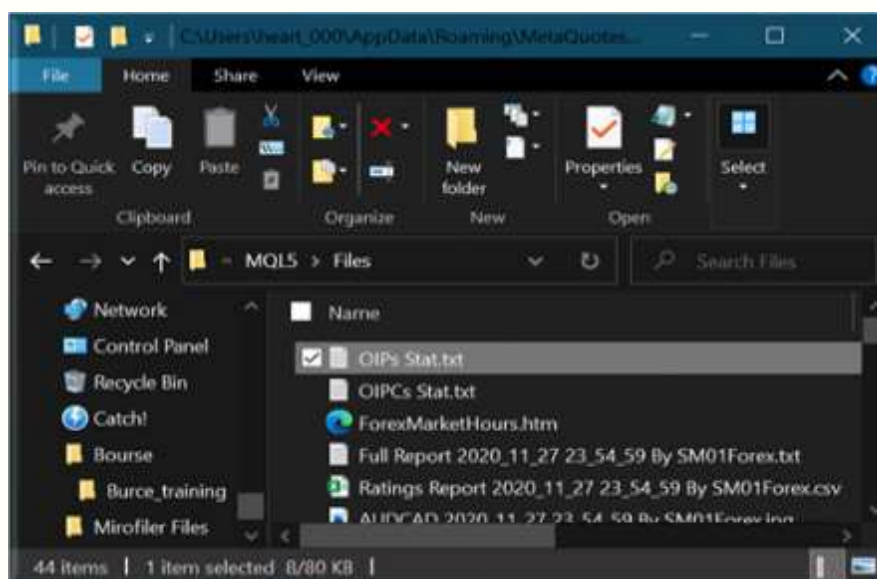
**Status button of indicators, oscillators, patterns and controllers:**

If you click on the button "STAT OIPCs." , A detailed report on the statistical status of indicators, oscillators, patterns and controllers is written on the chart. Considering the largeness of this report, surely all the information on the chart will not be visible. For this reason, in the "MQL5\Files" subfolder, a text file called "Stat OIPCs.txt" is created that contains complete statistical information.



### Status button of indicators, oscillators and patterns:

If you click on the button "OIPs stat." OIPs Stat., a detailed report on the statistical status of indicators, oscillators and patterns is written on the chart. Considering the largeness of this report, surely all the information on the chart will not be visible. For this reason, in the "MQL5\Files" subfolder, a text file called "OIPs Stat.txt" is created that contains complete statistical information.



### Processing button:


If you click on the "Total Process" button 50%2, the latest processing process report and their frequency of repetitions are on the chart. If you put the mouse pointer on it, from the first iteration onwards, in the form of "Tool tip", information about cycle and percentage of progress is displayed.

*A good deal means: good profit for yourself,  
broker and all people of the world*


Secure trading in all types of stock markets and Forex  
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*5th Edition*



*Note: The existence icon  near the cycle number, indicates an in-depth investigation. Based on user settings (or defaults), courses are considered for in-depth and rigorous reviews to update comparative criteria and memes.*

Pause button:

If you click the "Pause" button  , the stopped robot will display a message.



Note that by clicking this button, you have practically prevented the robot from continuing to operate, and you may cause trading opportunities to be lost if you stop long.

This button applies to times when you want to take notes or images before changing the information on the chart, or more carefully and reflecting on the contents and items.

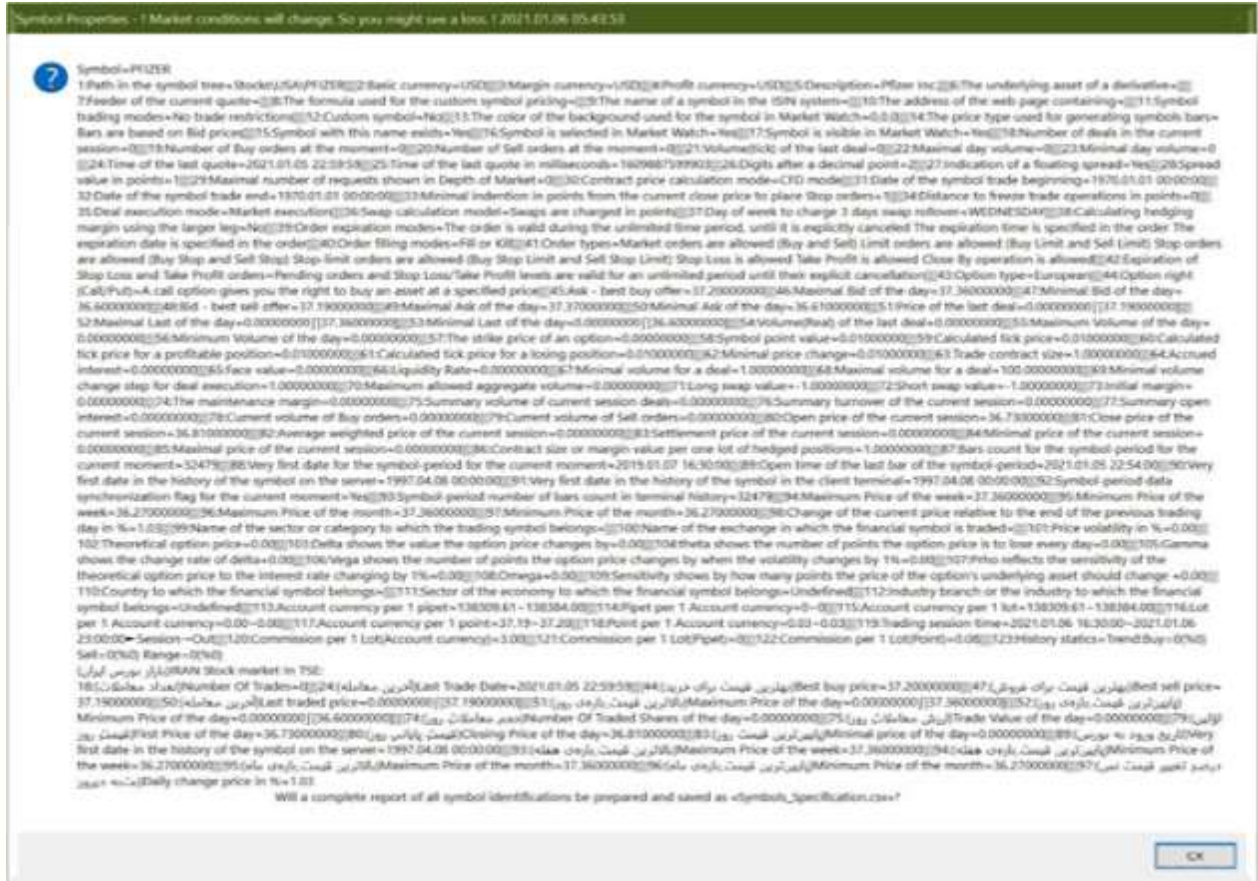
A good deal means: good profit for yourself, broker and all people of the world

Secure trading in all types of stock markets and Forex  
Introducing SM01Forex Robots

5th Edition

### Symbol Properties button:

If you click the "Symbol Information" button Info 1, detailed information will appear about the features of the current Symbol that the main chart is displaying.



**Note:** The bottom part of this report is useful for users who have activated the robot on markets similar to TSE (Iran Stock Exchange).

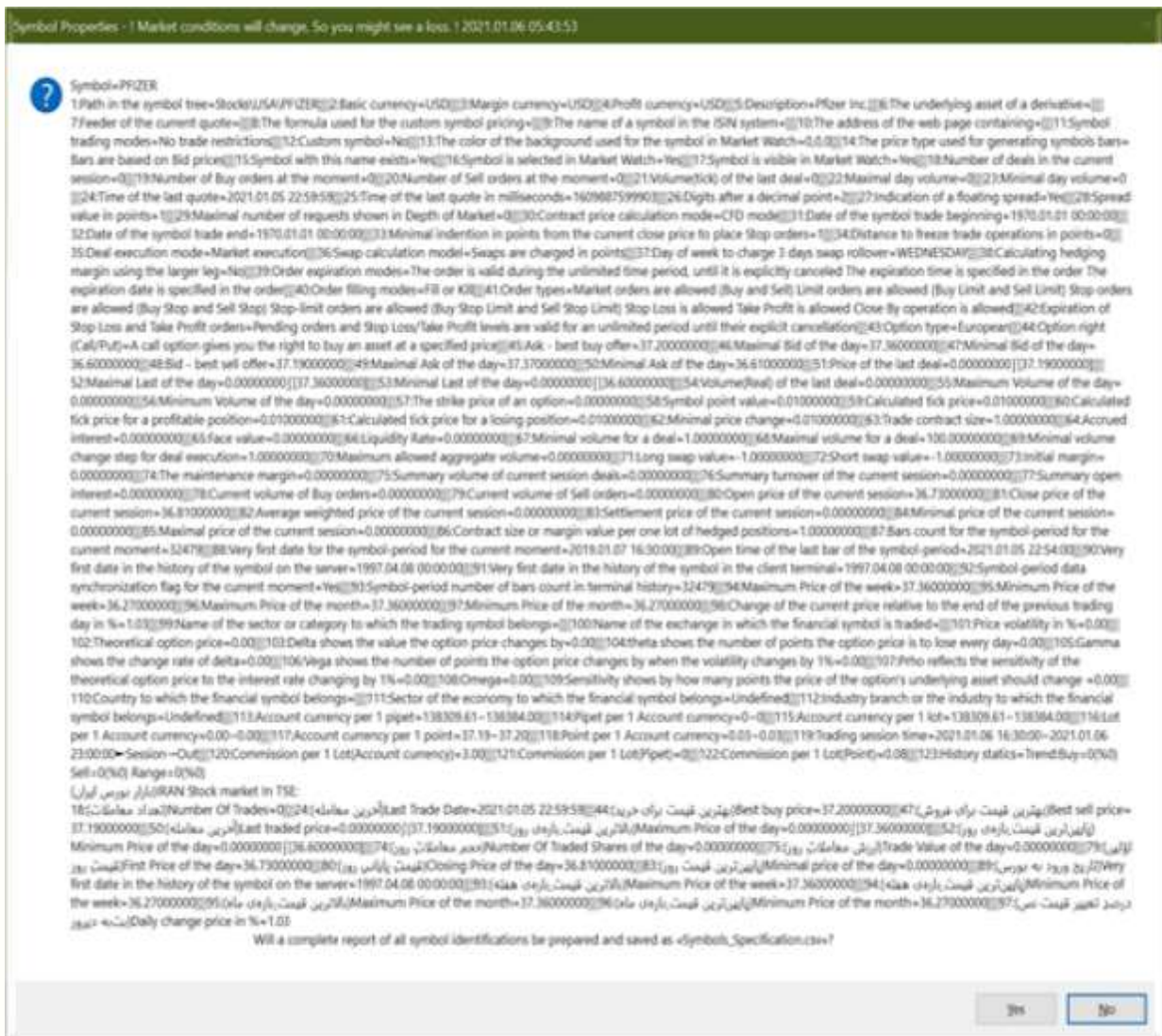
A summary of the guide for the end of the information on this page is shown in the following figure:





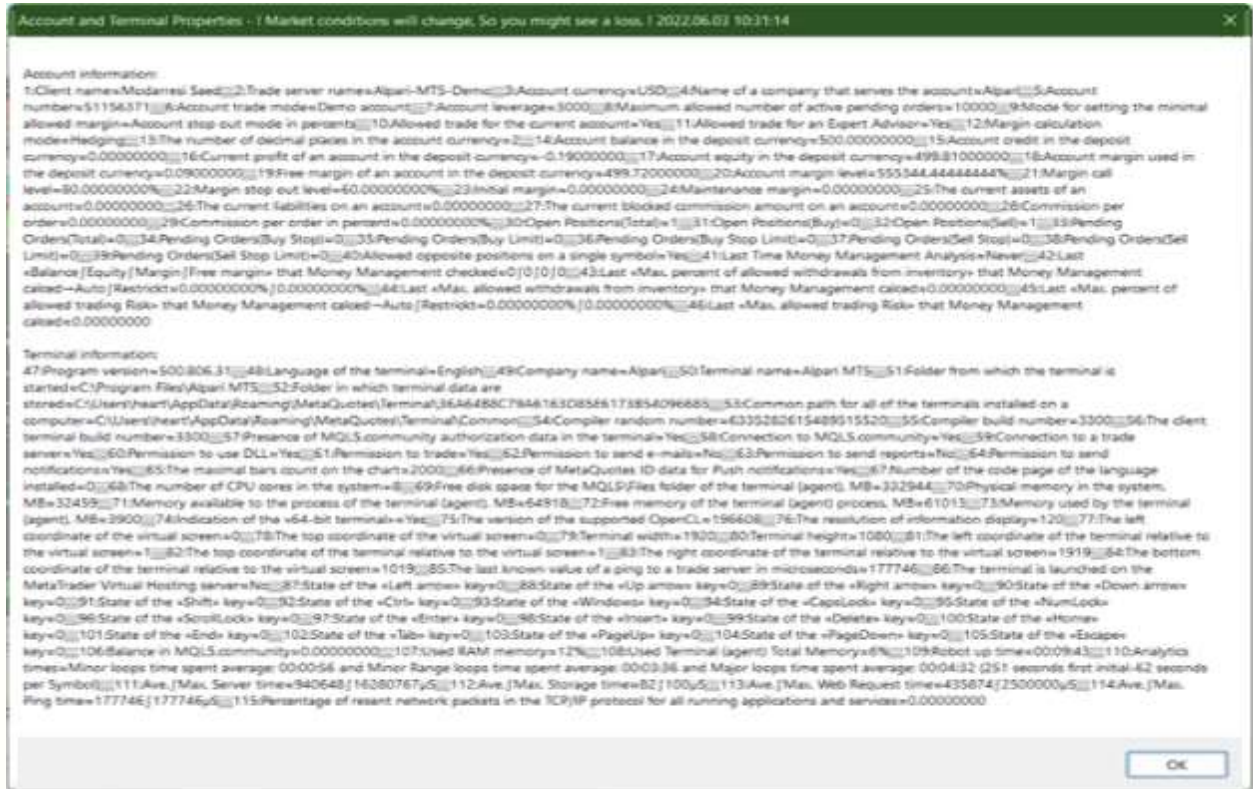
Given that displaying this information actually stops the robot, it's best to let the robot continue to work as soon as possible by clicking the OK button. Of course, all of this information is stored in a text file called, "Symbol\_Specification.txt", in the "MQL5\Files" subfolder.

**Note:** If you click on the "Symbol Information" button Info1 after the screening step, you'll see two other buttons, given that the robot has provided a complete database of processable Symbols at this point, instead of viewing the "OK" button OK. As written at the end of the report, if you click "Yes" Yes, a valuable comparison report of the features of all Symbols is prepared and stored in a text file called "Symbols\_Specification.csv" in the "MQL5\Files" subfolder. This file is of the type "CSV" and it can be used by powerful Excel software, for various applications.



## Account and Terminal Features button:

If you click on the "Account and Terminal Information" button Info2, a comprehensive information about the features of the account provided to the robot for trading, and useful information about the terminal (the software and hardware that the robot is using) will be displayed.



Given that displaying this information actually stops the robot, it's best to let the robot continue to work as soon as possible by clicking the OK button. Of course, all this information is stored in a text file called, " Last Robot Status.txt" in the "MQL5Files" subfolder.

## Device feature button:

If you click the "Device Information" button Info3, you will see specialized information about the host computer's main equipment.






If there are no OpenCL features on this device, the robot on this page will inform you of the impossibility of preparing this report.

Given that displaying this information actually stops the robot, it is best to allow the robot to continue working as soon as possible by clicking the OK button.


#### Indicator and oscillator display mode button:

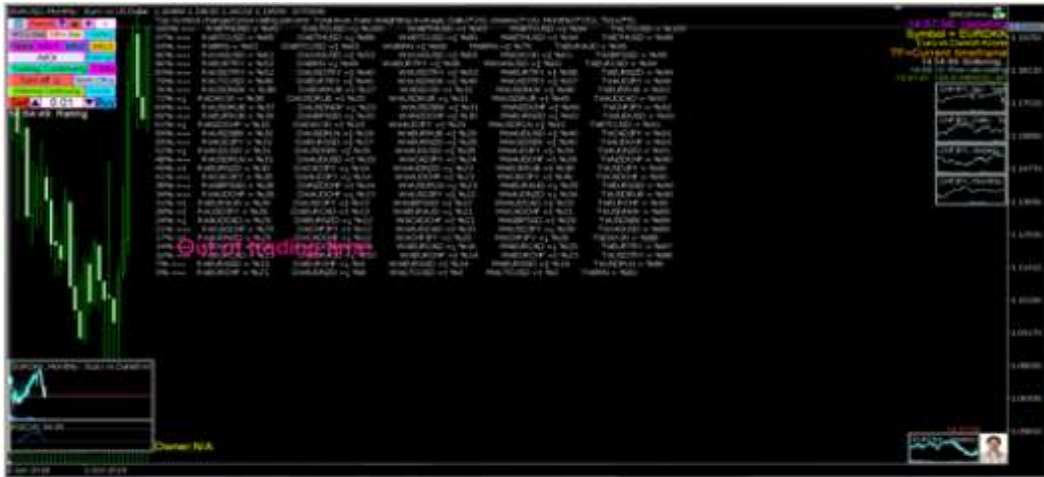
If you click the "Indicators and Oscillators showing mode" button , the display modes of indicators and oscillators will be changed on the destination chart (main chart or minichart on the left-bottom).

Each time you click this button, the display method changes as follows:

- **AllOI**: All indicators and oscillators are displayed.
- **NoneOI**: No indicator and oscillators is displayed.
- **IndicatorsOnly**: Only indicators are displayed.
- **OscillatorsOnly**: Only oscillators are displayed.

#### Ratings Report button:

If you click on the "Ratings" button , a report of independent ranking of Symbols on the main chart will have nothing to do with each other and merely display a view of the top Symbols in each criterion, independent of others.



Ranking will be on the chart for a short time, and the robot will display other information on the chart instead, but if you need more time to read, you can create unlimited delays by clicking on the "Pause" button **Pause** to note that by clicking on this button, you have practically prevented the robot from continuing to operate, and you may cause trading opportunities to be lost if you stop long.

#### Price Follow-up Report Button:

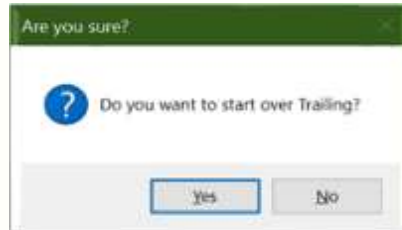
If you click the "Trailing" button **T Info**, a report of open positions and calculations related to "Price Follower and Profit and Loss Limit" will be included on the main chart.



Report will be on the chart for a short time, and the robot will display other information on the chart instead, but if you need more time to read, you can create unlimited delays by clicking on the "Pause" button **Pause** to note that by clicking on this button, you have practically prevented the robot from continuing to operate, and you may cause trading opportunities to be lost if you stop long.

### Price trailing Control Button:

If you click the "Trailing continuing/Stop" button **Trailing Continuing**, the auto-follow mechanism for price and infinite profit has been stopped, and it will be reactive by clicking again after requesting confirmation.



The button will also write the latest status of this mechanism.

### Instant update button of basic information:

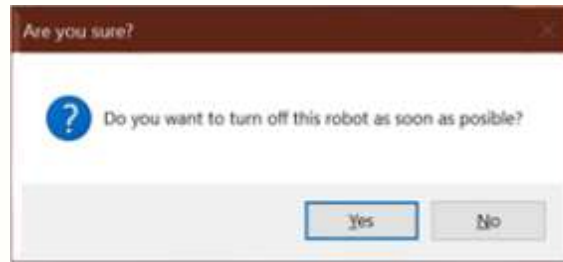
If you click the Founda button «Founda» **Founda**, after reaffirming, the basic information will be extracted from the "MarketWatchPlus.csv" and "Commissions.csv" files, and the database within the robot will be updated.



These files contain information that the robot has collected through communication with certain sites and with a specific mechanism, about commissions and some basic information about Symbols.

### Turn off button:

If you click the "Turn off" button **Turn off**, the robot will ask you to confirm the request to shut down and stop its activity completely.



If you click the Yes button, the robot will naturally close the open files as soon as possible and turn off naturally.

#### Terminal shutdown button:

If you click the "Terminal Off" button **Term.Off**, the robot will turn off the terminal at the first opportunity after receiving re-verification (it closes MetaTrader software).

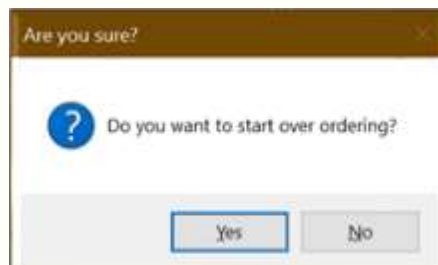


Of course, if you restart MetaTrader software at another time, the robot will start working real-time.

This button can be used when there is little time to shut down the system.

#### Order Registration Control Button:

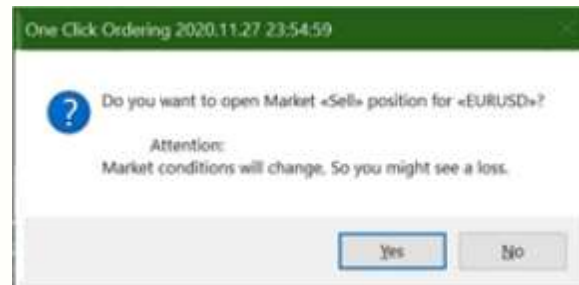
If you click the "Ordering continuing/Stop" button **Trailing Continues**, the automatic order registration mechanism will be stopped, re-activated by clicking again after the confirmation request.



The button will also write the latest status of this mechanism.

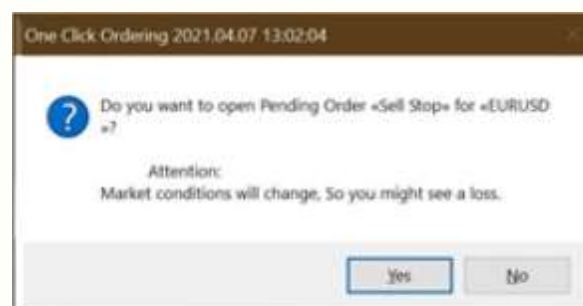
## Sell button:

If you click on the "One click Sell" button **Sell**, based on the amount of Lot specified (volume) next to this button, a sales order will be registered for the active Symbol on the main chart immediately after your confirmation.



**Note:** If "Financial Management" is active, if the balance amount is less than the amount required for the specified trading volume (Lot), the robot, at the time of order registration, automatically reduces "Lot" to create sufficient balance between inventory and trading volume. Because if the balance and volume specified for the transaction are not disproportionate, the Server will prevent the order from being registered.

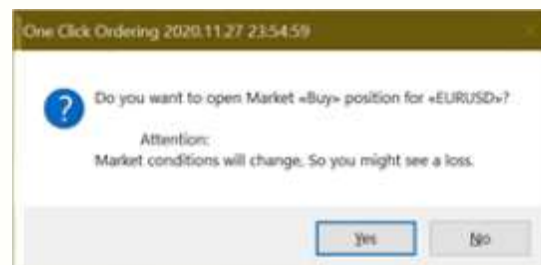
After this step, after your confirmation, a sales Pending Order of the type "Sell Stop" for the active Symbol will be registered on the main chart. If the previous step is successfully customized, the price in this type of order is considered equal to the "Opening price of the previous order", otherwise the robot will automatically consider a reasonable price.



After registering a "Pending Order", it is possible for the user to change its values and parameters as long as that order remains pending.

#### Buy button:

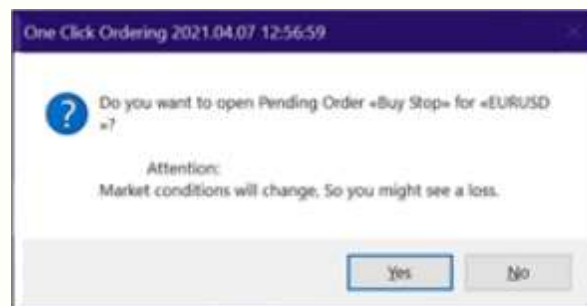
If you click on the "One click Buy" button **Buy**, based on the amount of Lot specified (volume) next to this button, a purchase order will be registered for the active Symbol on the main chart immediately after your confirmation.





**Note:** If "Financial Management" is active, if the balance amount is less than the amount required for the specified trading volume (Lot), the robot, at the time of order registration, automatically reduces "Lot" to create sufficient balance between inventory and trading volume. Because if the balance and volume specified for the transaction are not disproportionate, the Server will prevent the order from being registered.

After this step, after your confirmation, a purchase Pending Order of the type "Buy Stop" for the active Symbol will be registered on the main chart. If the previous step is successfully customized, the price in this type of order is considered equal to the "Opening price of the previous order", otherwise the robot will automatically consider a reasonable price.




After registering a "Pending Order", it is possible for the user to change its values and parameters as long as that order remains pending.


#### Lot Determination Button (Size):

If you enter a number within the "Volume/Lot" framework  , that Lot value (or volume) for order registration is considered by two buttons "One click Sell" **Sell** and "One Click Buy" **Buy** .

#### Lot or Volume Increase Button:

If you click the "Increase Volume" button  , the value in the side frame will increase as much as 0.01 as the lot (or volume) intended to place immediate orders.

#### Lot or Volume Reduce Button:

If you click the "Reduce Volume" button  , the value in the side frame will be reduced as much as 0.01 as the lot (or volume) intended to place immediate orders.

## Manual fast orders with automatic tracking capability:

Although MetaTrader terminal has "Quick Trading" facilities and to access it, it is enough to press the combined keys "Alt+T", but the orders registered in this way are not covered by the robot's regulatory and operational.



For this reason, a similar but intelligent mechanism called "One Click" is embedded inside the robot so that according to the user's tastes, it is possible to register "Direct Market" or "Pending" orders. Thus, after creating such orders, the robot will follow them as orders created by its internal mechanism, such as orders itself automatically create, implement profit and loss limit correction mechanisms, as well as automatically close trades for these manual orders.

## Description on the chart:

In different parts of the main chart, descriptions and reports are always displayed to inform the user about the status of operations, market conditions and robot activity, and even system items.

Although at first glance, the constant change of these comments encourages the user to be active, but in fact, each of these things offers key and sensitive information to advanced users and even programmers.

For example: If you put the mouse pointer still on some of these items, more information will also be displayed as a "tip tool", which even includes the software's execution line number to report a system defect to the programmer.

## Dynamic Descriptions:

Often these descriptions have the "Tool tips" feature and are located on the main chart in these locations:

- Right-Up corner
- Right-Down corner
- Exactly below the button subset

- Left-Bottom corner

Some of these explanations are actually the exterior view of a smaller robot that can be somewhat aware of the type of activity of small robots by looking at them or studying "Tool tips" related to each one. These robots, in turn, cause the main robot, on time and sufficiently, to provide the required information and increase the efficiency of the work.

**Note:** A few mini charts are located on the right side of the main chart. These small charts show a view of the general conditions of the active Symbol on the main chart. To view the general conditions of each Symbol, you can drag the Symbol on the main chart from the "Watch List" section. Note that in the early stages of the robot's inflow, do not apply any changes to the chart, such as changing the Symbol or time frame, until the warning message is displayed on the left side of the main chart.

**Attention: At this point,  
do not change any  
Symbol or Timeframe.**

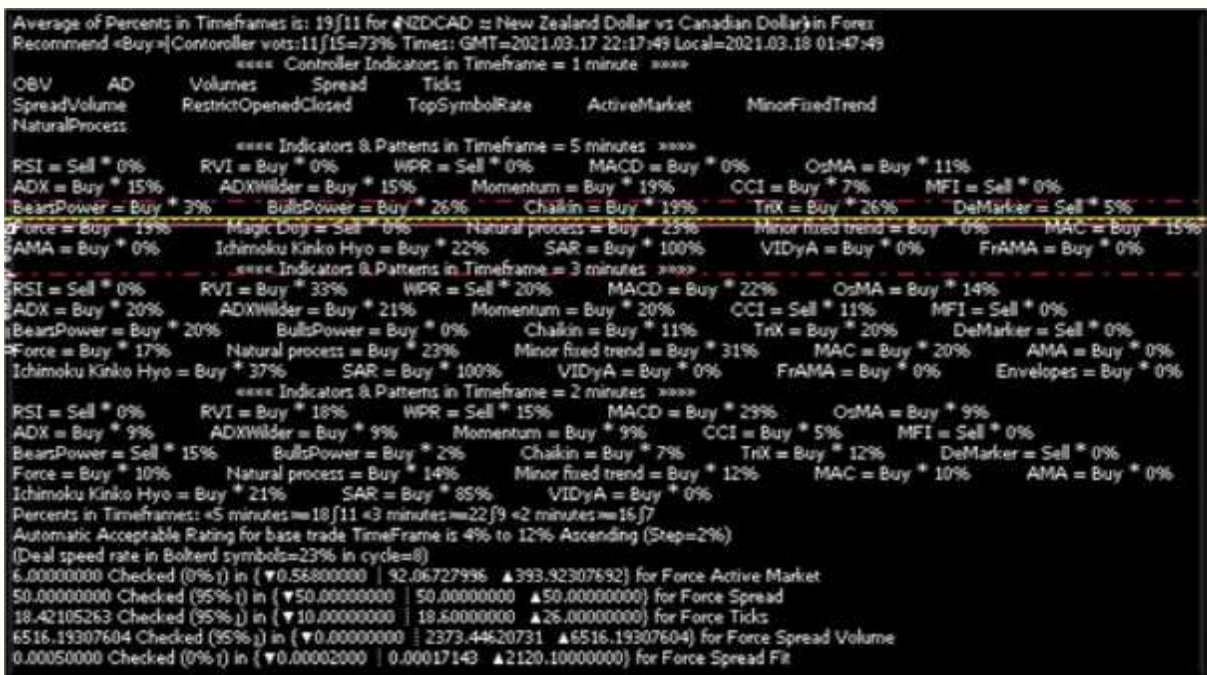
#### News Descriptions:

These descriptions are listed in the middle of the chart and from top to bottom. Often, they include specialized information to analyze market conditions and Symbols.

If the volume of descriptions is so large that parts of it are hidden under the other items in the chart, other additional information can be seen by increasing the size of the chart. Of course, if the "View" option is selected from the main menu and then the "Fullscreen" option (or the F11 key is pressed directly on the computer keyboard), the chart will be full-screened and the most possible to display the description.

Some of these explanations are very valuable for analyzing and deciding to apply some changes to the robot's start-up settings and parameters. For example, in the following image, an example of these explanations can be seen that includes things like:

- Summary report of the end of the second phase of the status analysis of a Symbol that is still analyzing the trend
- The latest weighted and analytical statistics in the second phase
- Proposing to buy and mention its reasons such as the weighted value of the obtained points and the quorum of the necessary points in each stage
- The status of the controllers' votes
- Status of important mandatory controllers and percentage analysis inside the control



At the bottom of the next image, it can be seen that the robot has announced a phrase as a report and realizes that it should not continue analyzing this Symbol, so it wants to analyze the next Symbol.



Of course, such explanations are not limited to last-stage analysis, but are constantly provided useful reports from the very first moments of the beginning to examine the conditions of a Symbol.

In the following image, you can see the description of the start of trend analysis of an icon:






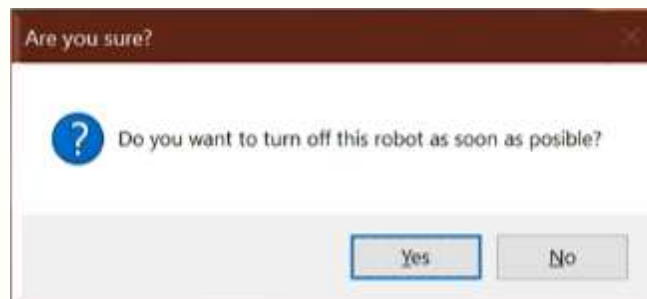




**Note:** *If it works on the Iranian stock exchange (TSE), in the sectors that use GMT to announce the time, instead of the Gregorian calendar, it will take advantage of Jalali calendar (Solar Hijri) but in accordance with GMT time.*

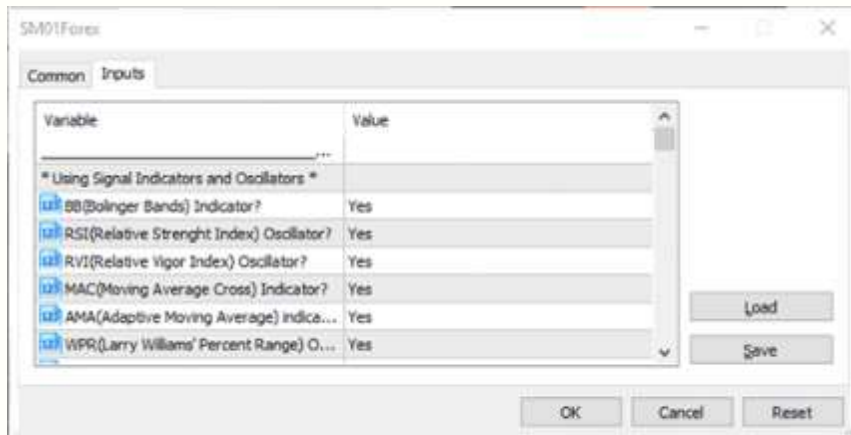
### End robot activity:

Although it is possible to Right click on robot icon in the right corner and top of the chart and then click on remove option, to finish the automatic activity and turn off the robot, it is strongly recommended that you simply click the "Turnoff" button  to end the robot's activity. Thus, the robot has the opportunity to end its activity naturally and without damage to the information stored, at the first opportunity, after final approval by the user.

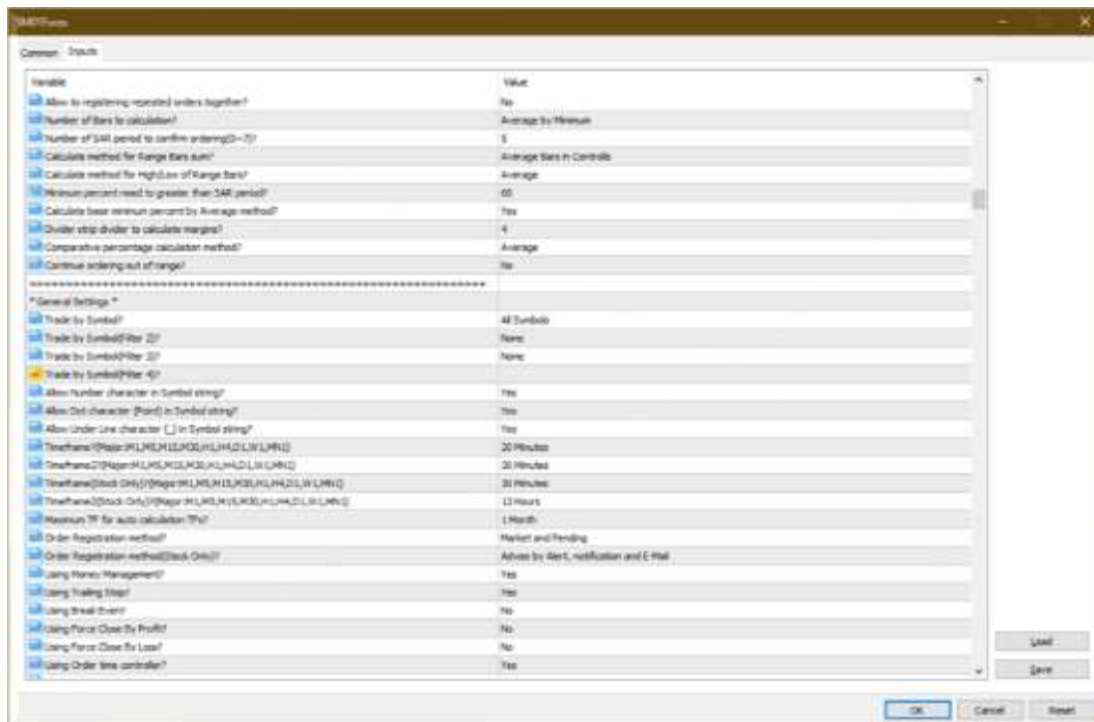


## Set parameters:

If you go to the important Inputs header when running the robot:



You'll see different parameters that are available to you in a small window. For more convenience, click and drag the edges of this window with the mouse to show more parameters until the window is enlarged:



You may be surprised by the mass winding of parameters, but don't worry because the robot's setting parameters are categorized and valued by default with appropriate values, so there is often no need to change and reset.

First, you can determine what indicators, oscillators or patterns the robot uses to place orders. Just in the next section, determine the alignment percentage of indicators, oscillators and patterns.

**Explaining:** Not all indicators, oscillators and patterns, at the same time, recommend buying or selling signals for a given Symbol, so the robot first collects their opinions in two groups (buy and sell), percentages, and selects that group with a higher percentage of votes as the final recommendation of indicators, oscillators and patterns. But again, there is **an important point:** the robot should not start registering based on poor votes, but based on the percentage specified in "Acceptable integrated directions percent", the minimum percentage of acceptable votes is the criterion for registering your order, of course, this percentage is also the limit for starting work, and the robot changes this percentage while working and by examining the results, intelligently. Its settings have been done by default, but the user can keep this percentage steady to their taste.

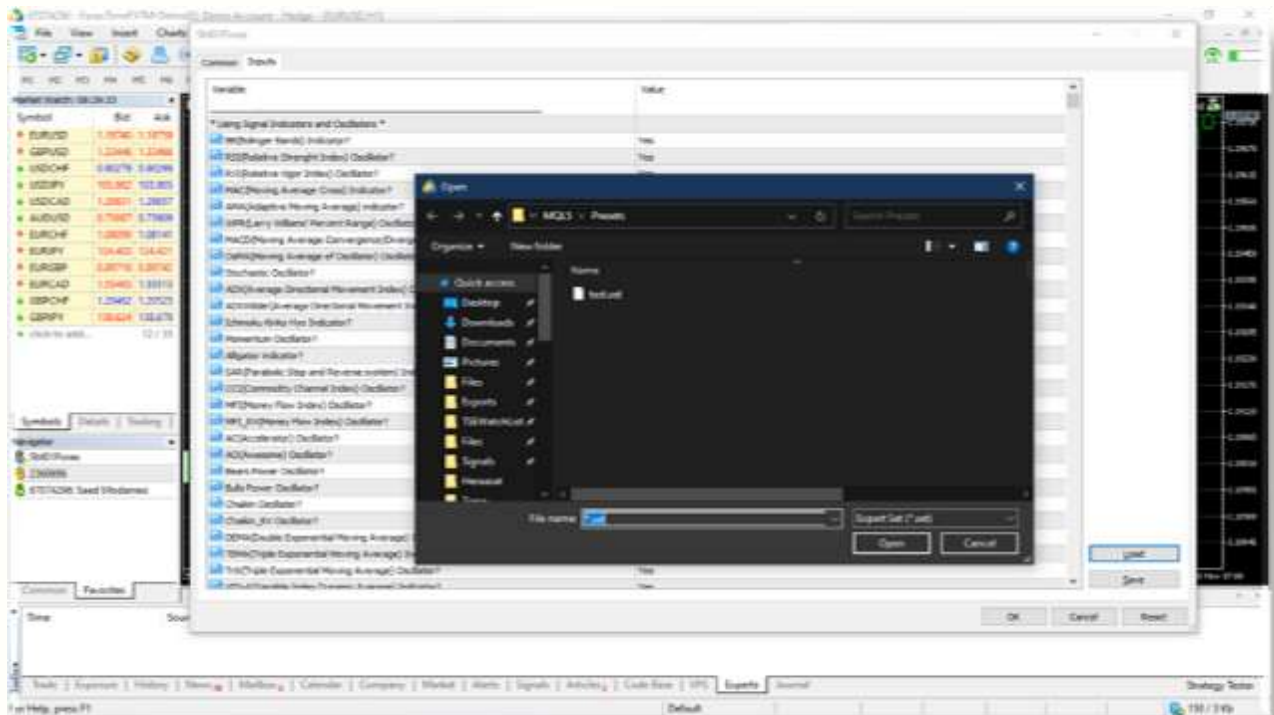
In the next row, it is also possible to increase and decrease the intelligent "acceptable vote percentage". This means that if you put the "Change accept rating automatically" parameter in the "Yes" mode, the robot will automatically increase or decrease the specified percentage in accordance with a combination of acceptable computing records of previous review periods.

**Attention:**

If you don't turn on any indicators, oscillators or patterns to guide the robot, the robot will start ordering from the start without guidance. Considering the smart tools to control the losses and profit limits that will be mentioned below, this feature can lead the robot to develop an independent and incorrect trading strategy that, of course, depends on the user's information when defining the parameters related to the smart sectors.

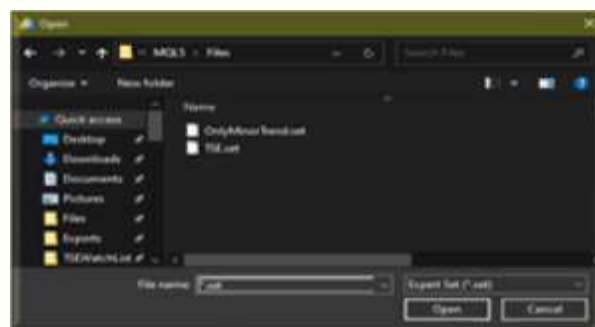
### Save settings:

Considering the mass of parameters, if you do not want to always use the default settings and want to use your advanced settings, you can save your desired settings in a file using the Save key, and in the next run, using the Load key, return the same settings and use them.



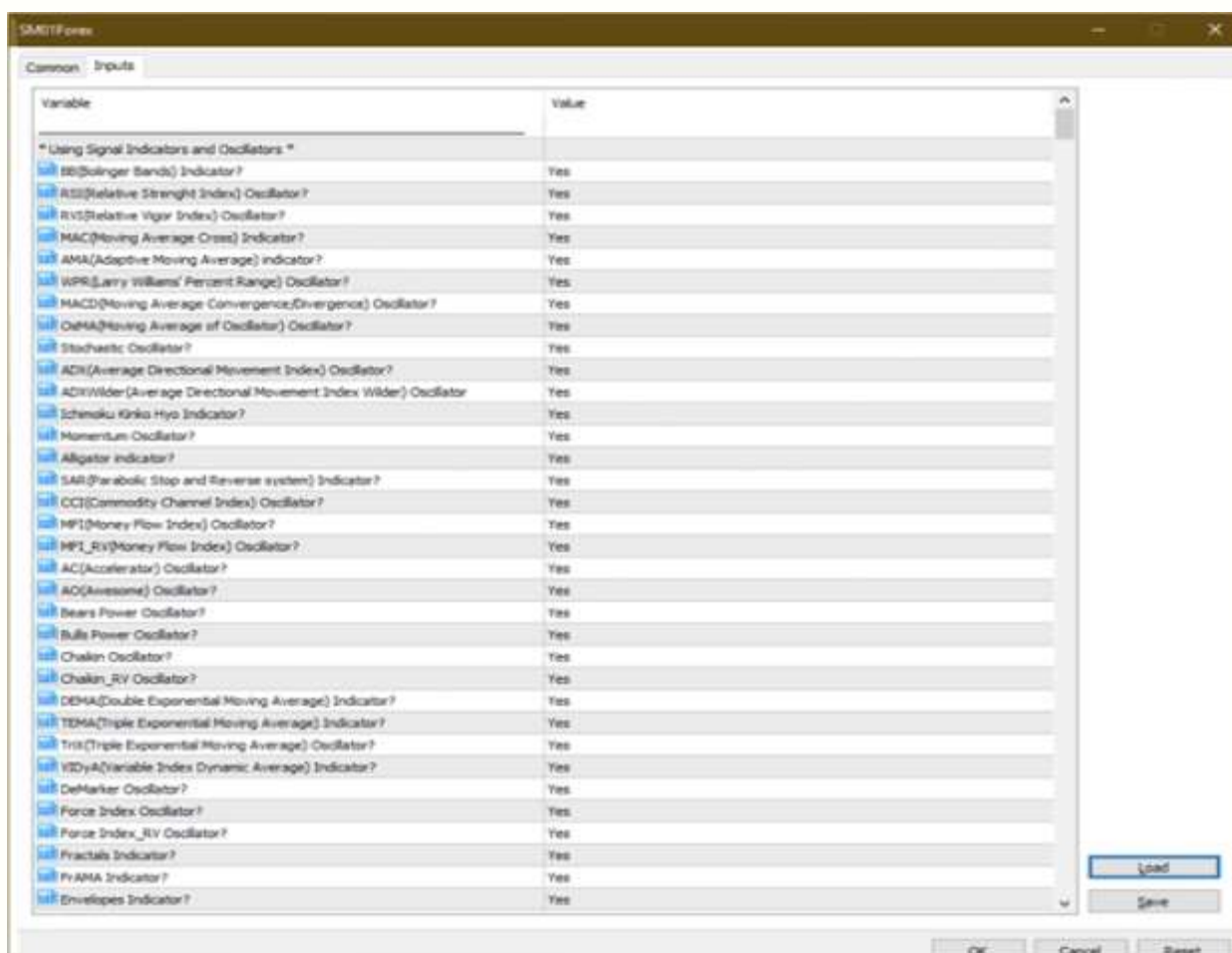
### Default saved settings:

Each time the robot runs, automatically, in the "MQL5\Files" subfolder, it places files as the default settings Preset suggested with the .set extension.



## Indicators and Oscillators Section:

In the "Using Signal Indicators and Oscillators" section, you can determine which indicator or oscillator the robot uses to identify trends:



Option	Valid Value	Explain
BB (Bollinger Bands) Indicator?	Yes No	Should the Bollinger Band indicator be used?
RSI (Relative Strength Index) Oscillator?	Yes No	Is Relative Strength Index oscillator used?
RVI (Relative Vigor Index) Oscillator?	Yes No	Should Relative Vigor Index oscillator be used?
MAC (Moving Average Cross) Indicator?	Yes No	Is it possible to use the Cross Moving Averages indicator?
AMA (Adaptive Moving Average) indicator?	Yes No	Is Adaptive Moving Average indicator used?
WPR (Larry Williams' Percent Range) Oscillator?	Yes No	Will of Oscillator Larry Williams' Percent Range To be used?
MACD (Moving Average Convergence/Divergence) Oscillator?	Yes No	Is the Moving Average Convergence/Divergence used?
OsMA (Moving Average of Oscillator) Oscillator?	Yes No	Is it possible to use Moving Average of Oscillator?

Option	Valid Value	Explain
Stochastic Oscillator?	Yes No	Should Stochastic oscillators be used?
ADX (Average Directional Movement Index) Oscillator?	Yes No	Is the Average Directional Movement Index oscillator used?
ADXWilder (Average Directional Movement Index Wilder) Oscillator?	Yes No	Is Average Directional Movement Index Wilder oscillator used?
Ichimoku Kinko Hyo Indicator?	Yes No	Should Ichimoku Kinko Hyo indicator be used?
Momentum Oscillator?	Yes No	Is it possible to use Momentum oscillators?
Alligator indicator?	Yes No	Should Alligator indicators be used?
SAR (Parabolic Stop and Reverse system) Indicator?	Yes No	Is the Parabolic Stop and Reverse system used?
CCI (Commodity Channel Index) Oscillator?	Yes No	Is it possible to use Commodity Channel Index oscillators?
MFI (Money Flow Index) Oscillator?	Yes No	Should Money Flow Index oscillators be used?
MFI_RV (Money Flow Index) Oscillator?	Yes No	Is it possible to use Money Flow Index oscillators (based on trading volume)?
AC(Accelerator) Oscillator?	Yes No	Can the Accelerator oscillator be used?
AO(Awesome) Oscillator?	Yes No	Can the Awesome oscillator be used?
Bears Power Oscillator?	Yes No	Should Bears Power oscillator be used?
Bulls Power Oscillator?	Yes No	Should Bulls Power oscillator be used?
Chaikin Oscillator?	Yes No	Can Chaikin oscillator be used?
Chaikin_RV Oscillator?	Yes No	Is it possible to use Chaikin oscillator (based on trading volume)?
DEMA (Double Exponential Moving Average) Indicator?	Yes No	Do of Double Exponential Moving Average indicator to be used?
TEMA (Triple Exponential Moving Average) Indicator?	Yes No	Is the Triple Exponential Moving Average indicator to be used?
TriX (Triple Exponential Moving Averages) Oscillator?	Yes No	Is it possible to use Triple Exponential Moving Averages oscillators?
VIDyA (Variable Index Dynamic Average) Indicator?	Yes No	Do of Variable Index Dynamic Average indicator to be used?
DeMarker Oscillator?	Yes No	Is DeMarker oscillator used?
Force Index Oscillator?	Yes No	Is it possible to use Force Index oscillator?
Force Index_RV Oscillator?	Yes No	Is it possible to use Force Index oscillator (based on trading volume)?
Fractals Indicator?	Yes No	Can Fractals indicator be used?
FrAMA Indicator?	Yes No	Is Adaptive Average indicators used?
Envelopes Indicator?	Yes No	Is Envelopes indicator used?



## Patterns Section:

In the "Using Patterns" section, you can determine what patterns the robot uses to identify trends:

Using Patterns *	
Tweezer Pattern?	Yes
Engulfing Pattern?	Yes
HangingMan-Hammer Pattern?	Yes
Dark Cloud-Piercing Pattern?	Yes
Morning Star-Evening Star Pattern?	Yes
Shooting Star-Inverted Hammer Pattern?	Yes
Harami Pattern?	Yes
Belt Hold Line Pattern?	Yes
Counter Attack Line Pattern?	Yes
Windows Pattern?	Yes
Gap Tasuki Pattern?	Yes
Three Methods Pattern?	Yes
Separating Lines Pattern?	Yes
Magic Doji Pattern?	Yes
Natural process Pattern?	Yes
Minor fixed trend Pattern?	Yes
Last group move Pattern?	Yes

Option	Valid Value	Explain
Tweezer Pattern?	Yes No	Is the Tweezer pattern used?
Engulfing Pattern?	Yes No	Is it possible to use the Engulfing pattern?
Hanging Man-Hammer Pattern?	Yes No	Are Hanging Man-Hammer patterns used?
Dark Cloud-Piercing Pattern?	Yes No	Are Dark Cloud-Piercing patterns used?
Morning Star-Evening Star Pattern?	Yes No	Are Morning Star-Evening Star patterns used?
Shooting Star-Inverted Hammer Pattern?	Yes No	Are Shooting Star-Inverted Hammer patterns used?
Harami Pattern?	Yes No	Is Harami pattern used?
Belt Hold Line Pattern?	Yes No	Is the Belt Hold Line pattern used?
Counter Attack Line Pattern?	Yes No	Is the Counter Attack Line pattern used?
Windows Pattern?	Yes No	Is it possible to use the Windows pattern?
Gap Tasuki Pattern?	Yes No	Is the Gap Tasuki pattern used?
Three Methods Pattern?	Yes No	Is the Three Methods pattern used?
Separating Lines Pattern?	Yes No	Is the pattern of Separating Lines used?
Magic Doji Pattern?	Yes No	Is the Magic Doji pattern used?
Natural process Pattern?	Yes No	Is the Natural process pattern used?

Option	Valid Value	Explain
Minor fixed trend Pattern?	Yes No	Is a Minor fixed trend pattern used?
Last group move Pattern?	Yes No	Is it possible to use the Last group move pattern?

### Pre-Controllers Section:

In the "Using Pre Controllers" section, you can specify which controllers will be checked before checking indicators, oscillators and patterns, if the ratio of a number of verifiable controllers is higher than those that have not been verified, that Symbol will be evaluated at that moment.

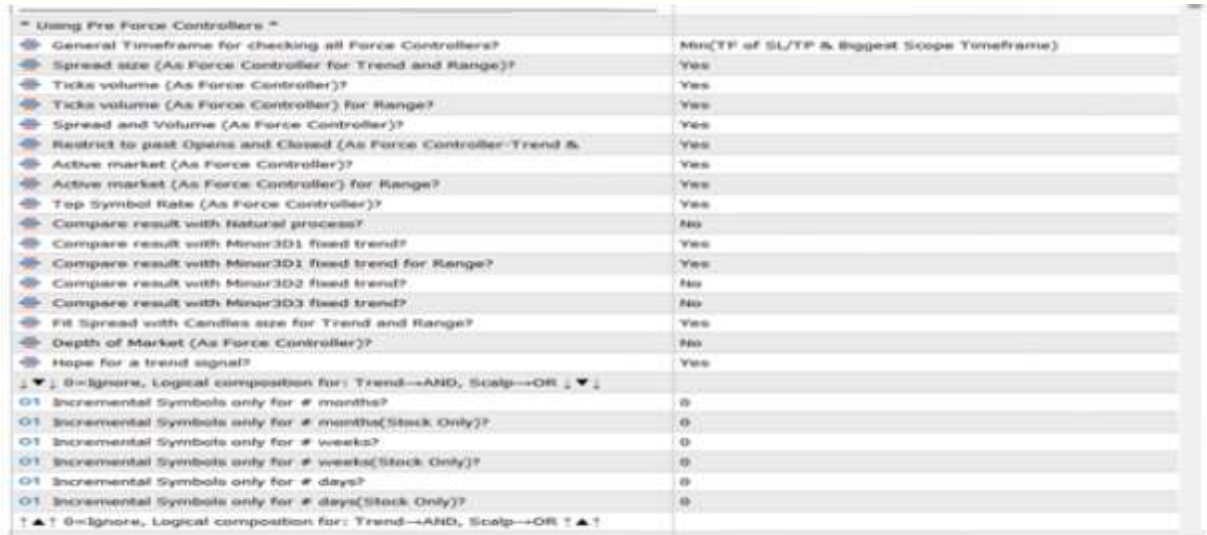
* Using Pre Controllers *	
Timeframe for checking Controllers?	Smallest Scope Timeframe
StdDev(Standard Deviation) Oscillator (As Controller)?	No
OBV(On Balance Volume) Oscillator (As Controller)?	Yes
BWMFI(Market Facilitation Index) Oscillator (As Controller)?	Yes
AD(Accumulation/Distribution) Oscillator (As Controller)?	Yes
Volumes Oscillator (As Controller)?	No
Gator Oscillator (As Controller)?	No
ATR Oscillator (As Controller)?	No
Spread size (As Controller)?	Yes
Ticks volume (As Controller)?	Yes
Spread and Volume (As Controller)?	Yes
Restrict to past Opens and Closed (As Controller)?	Yes
Active market (As Controller)?	Yes
Top Symbol Rate (As Controller)?	No
Compare result with Natural process?	Yes
Compare result with Minor3D1 fixed trend?	Yes
Compare result with Minor3D2 fixed trend?	Yes
Compare result with Minor3D3 fixed trend?	Yes
Fill Spread with Candles size?	Yes
Depth of Market?	No

Option	Valid Value	Explain
Timeframe for checking Controllers?	Smallest Scope Timeframe Biggest Scope Timeframe Start level of multi Timeframe TF base for SL/TP calculation Max(TF of SL/TP & Biggest Scope Timeframe) Min(TF of SL/TP & Biggest Scope Timeframe) Smallest System Timeframe Biggest System Timeframe Same as Time frames Analysis Settings Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M5) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M10) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M15) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M20) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M30) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H8) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & D1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & W1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & MN1)	Determining the base time frame for checking the primary controllers
StdDev (Standard Deviation) Oscillator (As Controller)?	Yes No	Should Standard Deviation oscillator be used as a controller?

Option	Valid Value	Explain
OBV (On Balance Volume) Oscillator (As Controller)?	Yes No	Should On Balance Volume oscillator be used as a controller?
BWMFI (Market Facilitation Index) Oscillator (As Controller)?	Yes No	Should market facilitation indicator oscillator be used as a controller?
AD (Accumulation/Distribution) Oscillator (As Controller)?	Yes No	Is Market Facilitation Index oscillator used as a controller?
Volumes Oscillator (As Controller)?	Yes No	Should Volumes oscillators be used as controllers?
Gator Oscillator (As Controller)?	Yes No	Is Gator oscillator used as a controller?
ATR Oscillator (As Controller)?	Yes No	Is the Average True Range oscillator used as a controller?
Spread size (As Controller)?	Yes No	Is Spread size used as a controller?
Ticks volume (As Controller)?	Yes No	Is the Number/Volume of trades used as controllers?
Spread and Volume (As Controller)?	Yes No	Is the Spread combination and the Number/Volume of trades used as controllers?
Restrict to past Opens and Closed (As Controller)?	Yes No	Is the range of opening and closing prices in frames used as controllers?
Active market (As Controller)?	Yes No	Is Market activity used as a controller?
Top Symbol Rate (As Controller)?	Yes No	Is it possible to use the ranking of Symbols as controllers?
Compare result with Natural process?	Yes No	Is it possible to use the method of Comparing Natural trends as controllers?
Compare result with Minor 3D1 fixed trend?	Yes No	Do Three-dimensional level1 Minor fixed procedures be used as controllers?
Compare result with Minor 3D2 fixed trend?	Yes No	Do Three-dimensional level2 Minor fixed procedures be used as controllers?
Compare result with Minor 3D2 fixed trend?	Yes No	Do Three-dimensional level3 Minor fixed procedures be used as controllers?
Fit Spread with Candles size?	Yes No	Is the proportional size of the Spread relative to the bars used as a controller?

### Mandatory Pre-Controllers Section:

In the "Using Pre Force Controllers" section, you can also specify which controllers to check compulsorily before checking indicators, oscillators and patterns. If **any** of these controllers do not verify that Symbol at this time, a trend will not be checked.



Option	Valid Value	Explain
General Timeframe for checking all Force Controllers?	Smallest Scope Timeframe Biggest Scope Timeframe Start level of multi Timeframe TF base for SL/TP calculation Max(TF of SL/TP & Biggest Scope Timeframe) Min(TF of SL/TP & Biggest Scope Timeframe) Smallest System Timeframe Biggest System Timeframe Same as Time frames Analysis Settings Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M5) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M10) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M15) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M20) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M30) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H8) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & D1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & W1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & MN1)	Set the base time frame to check the introductory controllers that do not explicitly have a specific time frame
Spread size (As Force Controller)?	Yes No	Is Spread size used as a controller?
Spread size (As Force Controller for Range)?	Yes No	Is Spread size used as a controller for Range and Scalp?
Ticks volume (As Force Controller)?	Yes No	Is the Number/Volume of trades used as controllers?
Ticks volume (As Force Controller) for Range?	Yes No	Is the number/volume of transactions used as controllers in terms of Range and Scalp observance?
Spread and Volume (As Force Controller)?	Yes No	Is the Spread combination and the Number/Volume of trades used as controllers?

Option	Valid Value	Explain
Restrict to past Opens and Closed (As Force Controller)?	Yes No	Is the range of opening and closing prices in frames used as controllers?
Restrict to past Opens and Closed (Force Controller) for Range?	Yes No	Is the range of opening and closing prices in frames used as controllers for Range and Scalp?
Active market (As Force Controller)?	Yes No	Is Market activity used as a controller?
Active market (As Force Controller) for Range?	Yes No	Should Market activity be used as a controller in terms of Range and Scalp compliance?
Top Symbol Rate (As Force Controller)?	Yes No	Is it possible to use the ranking of Symbols as controllers?
Compare result with Natural process?	Yes No	Is it possible to use the method of comparing Natural trends as controllers?
Compare result with Minor 3D1 fixed trend?	Yes No	Do Three-dimensional level1 Minor fixed procedures be used as controllers?
Compare result with Minor3D1 fixed trend for Range?	Yes No	Do Three-dimensional level1 Minor fixed procedures be used as controllers for Range and Scalp?
Compare result with Minor 3D2 fixed trend?	Yes No	Do Three-dimensional level2 Minor fixed procedures be used as controllers?
Compare result with Minor 3D2 fixed trend?	Yes No	Do Three-dimensional level3 Minor fixed procedures be used as controllers?
Fit Spread with Candles size?	Yes No	Is the proportional size of the Spread relative to the bars used as a controller?
Fit Spread with Candles size for Range?	Yes No	Is the proportional size of the Spread relative to the bars used as a controller for Range and Scalp?
Depth of Market (As Force Controller)?	Yes No	Is Market depth calculations used as controllers?
Hope for a trend signal?	Yes No	Is the hope of signal alignment checked?
Trend price change speed (As Force Controller)?	Yes No	Is the trend price change speed used as a controller (for range and scalp mode)?
Incremental Symbols only for # months?	# >= 0	Only check Symbols that have Incremental/Decreasing #month the price?
Incremental Symbols only for # months (Stock Only)?	# >= 0	Only check Symbols that have Incremental/Decreasing #month price (limited to stock trading)?

Option	Valid Value	Explain
Incremental Symbols only for # weeks?	# >= 0	Only check Symbols that have Incremental/Decreasing #week the price?
Incremental Symbols only for # weeks (Stock Only)?	# >= 0	Only check Symbols that have Incremental/Decreasing #week price (limited to stock trading)?
Incremental Symbols only for # days?	# >= 0	Only check Symbols that have Incremental/Decreasing #day the price?
Incremental Symbols only for # days (Stock Only)?	# >= 0	Only check Symbols that have Incremental/Decreasing #day price (limited to stock trading)?
How to apply reasonable conditions in DWM?	Seasonal conditions (OR) Turning conditions (AND)	How to apply the conditions of the number of days, weeks or months that there has been an increasing or decreasing trend (turning or seasonal)?

### Mandatory End Controllers Section:

In the "Using Pass Force Controllers" section, you can specify which controllers are compulsorily checked after checking and finding the Trend signal. If **any** of these controllers do not verify that Symbol at this time, the detected signal will be ignored.

The reason for such a mechanism, is that the signal determination procedure may be prolonged in accordance with the conditions, while other conditions are not the same as the start time of signal checking, and the initial conditions may no longer prevail.

Option	Valid Value
Restrict to past Opens and Closed (As Force Controller)?	No
Restrict to past Opens and Closed (Force Controller-Range)?	No
Compare result with Natural process?	No
Compare result with Minor3D1 fixed trend?	Yes
Compare result with Minor3D2 fixed trend?	No
Compare result with Minor3D3 fixed trend?	No
Depth of Market (As Force Controller)?	No
Depth of Market (As Force Controller) for Range?	No
Hope for a trend signal in SL/TF TF?	Yes
Avoid returnless trades?	Yes
Avoid returnless trades (for Range)?	Yes

Option	Valid Value	Explain
Restrict to past Opens and Closed (As Force Controller)?	Yes No	Is the range of opening and closing prices in frames used as controllers?
Restrict to past Opens and Closed (Force Controller-Range)?	Yes No	Is the range of opening and closing prices in frames used as controllers for Range and Scalp?
Compare result with Natural process?	Yes No	Is it possible to use the method of comparing Natural trends as controllers?



Option	Valid Value	Explain
Compare result with Minor 3D1 fixed trend?	Yes No	Do Three-dimensional level1 Minor fixed procedures be used as controllers?
Compare result with Minor 3D2 fixed trend?	Yes No	Do Three-dimensional level2 Minor fixed procedures be used as controllers?
Compare result with Minor 3D2 fixed trend?	Yes No	Do Three-dimensional level3 Minor fixed procedures be used as controllers?
Depth of Market (As Force Controller)?	Yes No	Is Market depth calculations used as controllers?
Depth of Market (As Force Controller) for Range?	Yes No	Should Market Depth calculations be used as controllers in terms of Range and Scalp observance?
Hope for a trend signal in SL/TP TF?	Yes No	Is the hope of signal alignment checked in Stop Loss and Take Profit timeframe?
Avoid returnless trades?	Yes No	Avoiding non-return trades?
Avoid returnless trades (for Range)?	Yes No	Avoiding non-return trades (for Range mode)?

### Time frame determination section of mandatory controllers:

In the "Pre/Pass Controllers Timeframe checking" section, it is possible to set time frames for some mandatory controllers, in other words, the user can determine a different reference time frame for these mandatory controllers according to their tastes.

* Pre/Pass Controllers Timeframe checking *	
Spread size Timeframe?	Biggest Scope Timeframe
Ticks volume Timeframe?	Smallest Scope Timeframe
Spread and Volume Timeframe?	Start level of multiTimeframe
Restrict to past Opens and Closed Timeframe?	Biggest Scope Timeframe
Fit Spread with Candles size Timeframe?	Biggest Scope Timeframe

Option	Valid Value	Explain
Spread size Timeframe?	Smallest Scope Timeframe Biggest Scope Timeframe Start level of multi Timeframe TF base for SL/TP calculation Max(TF of SL/TP & Biggest Scope Timeframe) Min(TF of SL/TP & Biggest Scope Timeframe) Smallest System Timeframe Biggest System Timeframe Same as Time frames Analysis Settings Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M5) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M10) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M15) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M20) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M30) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H8) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & D1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & W1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & MN1)	Determination of base time frame for mandatory Spread size controller

Option	Valid Value	Explain
<p>Ticks volume Timeframe?</p>	<p>Smallest Scope Timeframe Biggest Scope Timeframe Start level of multi Timeframe TF base for SL/TP calculation Max(TF of SL/TP &amp; Biggest Scope Timeframe) Min(TF of SL/TP &amp; Biggest Scope Timeframe) Smallest System Timeframe Biggest System Timeframe Same as Time frames Analysis Settings Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M2) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M3) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M4) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M5) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M6) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M10) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M12) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M15) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M20) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M30) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H2) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H3) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H4) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H6) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H8) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H12) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; D1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; W1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; MN1)</p>	<p>Determining the base time frame for checking the mandatory controller of the Number/Volume of transactions</p>
<p>Spread and Volume Timeframe?</p>	<p>Smallest Scope Timeframe Biggest Scope Timeframe Start level of multi Timeframe TF base for SL/TP calculation Max(TF of SL/TP &amp; Biggest Scope Timeframe) Min(TF of SL/TP &amp; Biggest Scope Timeframe) Smallest System Timeframe Biggest System Timeframe Same as Time frames Analysis Settings Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M2) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M3) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M4) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M5) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M6) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M10) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M12) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M15) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M20) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M30) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H2) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H3) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H4) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H6) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H8) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H12) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; D1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; W1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; MN1)</p>	<p>Determination of base time frame for mandatory Spread combination controller and Number/Volume of transactions</p>
<p>Restrict to past Opens and Closed Timeframe?</p>	<p>Smallest Scope Timeframe Biggest Scope Timeframe Start level of multi Timeframe TF base for SL/TP calculation Max(TF of SL/TP &amp; Biggest Scope Timeframe) Min(TF of SL/TP &amp; Biggest Scope Timeframe) Smallest System Timeframe Biggest System Timeframe Same as Time frames Analysis Settings Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M2) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M3) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M4) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M5) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M6) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M10) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M12) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M15) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M20) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; M30) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H2) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H3) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H4) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H6) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H8) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; H12) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; D1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; W1) Max(Min(TF of SL/TP &amp; Biggest Scope Timeframe) &amp; MN1)</p>	<p>Determining the base time frame for checking the mandatory controller of the opening and closing price range in frames</p>

*A good deal means: good profit for yourself,  
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Option	Valid Value	Explain
Fit Spread with Candles size Timeframe?	Smallest Scope Timeframe Biggest Scope Timeframe Start level of multi Timeframe TF base for SL/TP calculation Max(TF of SL/TP & Biggest Scope Timeframe) Min(TF of SL/TP & Biggest Scope Timeframe) Smallest System Timeframe Biggest System Timeframe Same as Time frames Analysis Settings Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M5) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M10) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M15) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M20) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M30) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H8) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & D1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & W1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & MN1)	Determination of base time frame for mandatory proportional Spread size controller compared to bars

### Scoring Settings section:

In the "Rating Settings" section, there are many possibilities to change the settings for scoring and calculations related to it.

Option	Valid Value	Explain
Rating by Effective votes?	Yes No	Is calculating the votes of indicators, oscillators and patterns effective in ranking?
Change accept rating automatically?	Manually Automatic by average percentage	Is it acceptable to automatically change the weighted votes of indicators, oscillators and patterns?

Option	Valid Value	Explain
Change control voting automatically?	Manually Automatic by average percentage	Does the number of votes acceptable to controllers change automatically?
Baseline coefficient in automatic accept rating?	# >= 1	Base coefficient for benchmark score mode based on the number of default time frames?
Acceptable integrated directions percent?	0 ~ 100	Starting the acceptance percentage of indicators, oscillators and patterns?
Keep average Rates near default?	Yes No	Is the acceptance percentage of alignment always kept close to the default value? If "Change accept rating automatically" is Automatic, the default value will be "Baseline coefficient in automatic accept rating", but in Manual case, the default value is equal to "Accept integrated directions percent".
Match percentages acceptance with timeframes (for auto modes)?	Ascending Descending Uniform	How to match acceptable percentages with time frames (for auto mode)?
Step for matching acceptable percent (for manual modes)?	0 ~ 100	Step to calculate acceptable percentages (for manual mode)?
Below offset of acceptable integrated directions percent?	0 ~ 100	Acceptable distance from acceptable percentage in time frame?
Even accepting Low% and High% weight?	Yes No	Should the weighted percentage of floor and ceiling be considered to calculate the probability of correct trend? (Maintaining uncertainty)
High% threshold of uncertainty?	0.0 ~ 100.0	High percentage threshold of uncertainty?
Low% threshold of uncertainty?	0.0 ~ 100.0	Low percentage threshold of uncertainty?
Compare with average of Timeframes percents?	Yes No	Is the end result compared to the average acceptable percentages of time frames for acceptance?
Rating and Voting per Symbol?	Yes No	Do the average scores and votes be done separately for each Symbol?
Acceptable vote of controllers (Minimum for Auto)?	0 ~ 100	The percentage of votes acceptable to controllers (for automatic mode, is considered as a minimum and for starters)
Bypass some Controller for not in session Symbol?	Yes No	Is it necessary to relinquish some controllers on Symbols that do not have an active trading session? <i>Comment: Some controllers are effective only when the symbol trading session is active.</i>
Below offset of acceptable integrated Controls percent?	0 ~ 100	An acceptable distance from the acceptable percentage of voters controlled?

Option	Valid Value	Explain
First examples of assessing indicators and patterns?	# >= 0	How many samples can be evaluated for the first-time frame?
First examples of assessing indicators and patterns (Stock Only)?	# >= 0	The number of samples for the first evaluable time frame (limited to stock trading)?
Maximum sample for assessing?	# >= 0	The highest number of samples allowed for evaluation?
Maximum sample for assessing (Stock Only)?	# >= 0	The highest number of samples allowed for valuation (limited to stock trading)?
Deep for assessing indicators and patterns (for Manually mode)?	# >= 0	Number of steps for in-depth comparative assessment?
Very hard deep testing?	Yes No	Is it too strict when evaluating in-depth?
Max. Deep Multi Timeframe for signal & SPs finding?	# >= 0	The first order number of system time frames to add to the multiple frame array?
Max.2 Deep Multi Timeframe for signal & SPs finding?	# >= 0	The second order number of system time frames to add to the multiple frame array?
Max. Deep Multi Timeframe for signal & SPs finding (Stock Only)?	# >= 0	The first order number of system time frames to add to the multiple frame array (limited to stock trading)?
Max.2 Deep Multi Timeframe for signal & SPs finding (Stock Only)?	# >= 0	The second order number of system time frames to add to the multiple frame array (limited to stock trading)?
Min. Deep Multi Timeframe for signal finding?	# >= 0	The highest number of the first order of system time frames to remain in the multiple frame array?
Min.2 Deep Multi Timeframe for signal finding?	# >= 0	The highest number of the second order of system time frames to remain in the multiple frame array?
Min. Deep Multi Timeframe for signal finding (Stock Only)?	# >= 0	The highest number of the first order of system time frames to remain in the multiple frame array (limited to stock trading)?
Min.2 Deep Multi Timeframe for signal finding (Stock Only)?	# >= 0	The highest number of the second order of system time frames to remain in the multiple frame array (limited to stock trading)?
Major Timeframes check for signal?	# >= 0	The main time frame order number of system time frames to check the signal existence?
Major Timeframes check for signal (Stock Only)?	# >= 0	The main time frame order number of system time frames to check the signal (limited to stock trading)?
Start level of multi Timeframe?	# >= 0	Order number from multiple frame array to start evaluations?

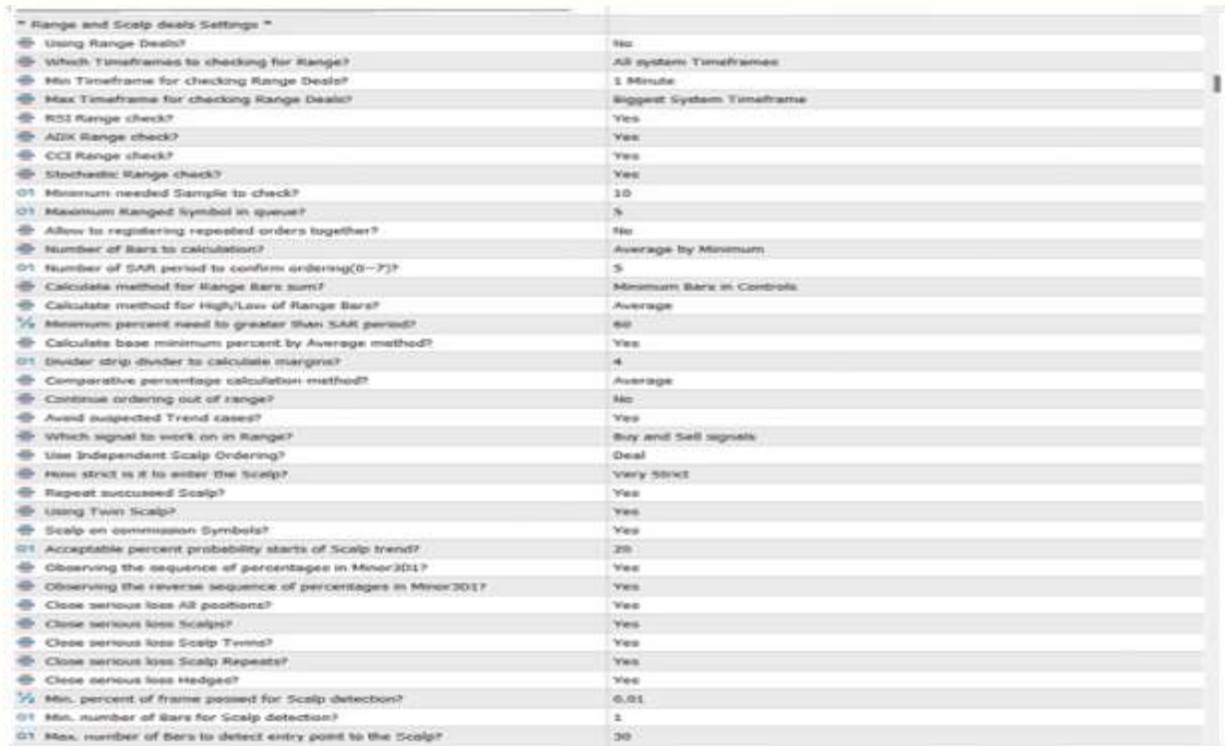


Option	Valid Value	Explain
Start level of multi Timeframe (Stock Only)?	# >= 0	Order number from multiple frame array to start valuations (limited to stock trading)?
Ratios set as auto in Timeframes?	Manually Auto Stock Storage Auto Stock Storage Big Auto Stock Game Auto Stock Game Big Auto Exchange Game Auto Exchange-Stock Game	How to weigh on the criteria of worthwhile?
Ratios set as auto in Timeframes (Stock Only)?	Manually Auto Stock Storage Auto Stock Storage Big Auto Stock Game Auto Stock Game Big Auto Exchange Game Auto Exchange-Stock Game	How to weigh on the value criteria of worthwhile (while limited to trading stocks)?
Ratio of Day to Rates?	# >= 0	Benchmark weight swing per day for rankings?
Ratio of Week to Rates?	# >= 0	Benchmark weight swing per week for rankings?
Ratio of Month to Rates?	# >= 0	Benchmark weight of oscillation a month for ratings?
Ratio of Month Orders to Rates?	# >= 0	Benchmark weight of the number of orders per day for ratings?
Ratio of Grow Prices to Rates?	# >= 0	Benchmark weight of price growth in the final month for ratings?
Ratio of Current Price to Rates?	# >= 0	The current price benchmark weight of the Symbol for ranking?
Ratio of Reverse Index to Rates?	# >= 0	Reverse benchmark weight for rankings?
Ratio of Increased Months to Rates?	# >= 0	Benchmark weight the number of consecutive months of rising prices for ratings?
Change Reverse Index Ratio for ETFs and etc.?	Yes No	Is it a weighted benchmark for Symbols with an ETF equal to zero, the speed of price increases?
Change Reverse Index Ratio for Reverse Index=0?	Yes No	Is the acceleration of price increase ranked as a weighted benchmark for Symbols that are the reverse benchmark equal to zero and are from the TSE market?
Weighted Conversion Coefficient for Change Reverse Index?	# >= 0	Inverse modified criterion weight gain coefficient?
Main Reverse Index type?	Change Reverse Index with P/E Change Reverse Index with Average Price Change Reverse Index with accelerate Price	The main reverse indicator type?
Other Reverse Index changing type?	Change Reverse Index with P/E Change Reverse Index with Average Price Change Reverse Index with accelerate Price	Surrogate reverse indicator type?

Option	Valid Value	Explain
Trend percentage weight in weighted average?	# >= 0	Trend percentage weight ,when calculating the weighted average percentage ,in reporting the appropriate Symbols for order registration?
Rank weight in weighted average?	# >= 0	Rank percentage weight ,when calculating the weighted average percentage ,in reporting the appropriate Symbols for order registration?
Which Cycles to get real analyzing?	No Cycle (fastest) Any Cycle (Slowest) Only Prime Cycles (Faster) Only Fibonacci Cycles (Too fast) Prime or Fibonacci Cycles (Fast) Advanced Prime or Fibonacci Cycles (Super Fast)	In which cycles should basic analysis be performed?
How many Cycles to analyze Symbols (0 for infinity)?	# >= 0	Multi-cycles to analyze Symbols (0=endless)?
Which action after # Cycle analyze?	Continue Turn off Robot Action after answer to Question	What to do after the number of turns allowed to analyze Symbols?
Slope degree calculation method?	Based on natural logarithm By percentage of changes to frames	How to calculate the Slope angle of the trend?
Start value of Slope degree needed?	# >= 0	The first acceptable trend angle size?
Minimum cycle for ordering?	# >= 0	The first computing round allowed to place a trend order?

## Range and Scalp Mode Identification Settings Section:

In the "Range and Scalp deals Settings" section, there are possibilities to change the settings for identifying Range or Scalp mode and how to deal with its modes.



Option	Valid Value	Explain
Using Range Deals?	No Analyze Only Deal	How does Range mode be used?
Which Timeframes to checking for Range?	All system Timeframes Only specified Timeframes	Which time frames are tested to test the existence of Range and Scalp mode?
Min Timeframe for checking Range Deals?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	The smallest time frame to evaluate Range trades?

Option	Valid Value	Explain
Max Timeframe for checking Range Deals?	Smallest Scope Timeframe Biggest Scope Timeframe Start level of multi Timeframe TF base for SL/TP calculation Max(TF of SL/TP & Biggest Scope Timeframe) Min(TF of SL/TP & Biggest Scope Timeframe) Smallest System Timeframe Biggest System Timeframe Same as Time frames Analysis Settings Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M5) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M10) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M15) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M20) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M30) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H8) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & D1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & W1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & MN1)	The largest time frame to evaluate Range trades?
RSI Range check?	Yes No	Is Relative Strength Index oscillator used to explore Range mode?
ADX Range check?	Yes No	Is the Average Directional Motion Indicator oscillator used to discover the Range mode?
CCI Range check?	Yes No	Is it possible to use the Commodity Channel Indicator oscillator to discover the Range mode?
Stochastic Range check?	Yes No	Is Stochastic oscillator used to explore Range mode?
Minimum needed Sample to check?	# >= 0	What are the lowest number of samples for testing?
Maximum Ranged Symbol in queue?	# >= 0	Maximum number of range Symbols in final analysis queue?
Allow to registering repeated orders together?	Yes No	If there is an open order for a Symbol, will another order be registered for that Symbol if you have the Range conditions?
Number of Bars to calculation?	Minimum Average by Minimum Maximum	Number of bars (Candles) to calculate?
Number of SAR period to confirm ordering?	0 ~ 7	Minimum number of courses based on SAR parabolic indicator, to confirm the Range conditions?
Calculate method for Range Bars sum?	Minimum Bars in Controls Average Bars in Controls	Calculation method for sum of bars (candles) Ranged?
Calculate method for High/Low of Range Bars?	Average Max/Min	Calculation method for Max/Min bars (candles) Ranged?
Minimum percent need to greater than SAR period?	# >= 0	Minimum percentage of range bars ratio relative to total bars proportional to the specified periods of SAR parabolic?
Calculate base minimum percent by Average method?	Yes No	Is calculating the minimum percentage for evaluation by average method?
Divider strip divider to calculate margins?	# >= 0	How much is the divided Range to calculate the bounds?

Option	Valid Value	Explain
Comparative percentage calculation method?	Average Separately	How to calculate comparative percentage?
Continue ordering out of range?	Yes No	If the price of the Symbol is out of Range at the time of ordering, will the order registration process continue by registering a reverse order?
Avoid suspected Trend cases?	Yes No	Do you overlook things that may be directional?
Which signal to work on in Range?	Buy and Sell signals Buy signals Sell signals	Robot, what kind of signals are it working on in Range?
Use Independent Scalp Ordering?	No Analyze Only Deal	How to use independent Scalp method?
How strict is it to enter the Scalp?	Negligent Moderate Strict Very Strict	How strict is it to identify the conditions for entering Scalp transactions?
Repeat succussed Scalp?	Yes No	Is it possible to place another Scalp order if find a successful Scalp transaction, meet all the reliable conditions?
Using Twin Scalp?	Yes No	Is Twin Scalp (reciprocal) used?
Scalp on commission Symbols?	Yes No	Is Scalping operations performed on commissioned Symbols?
Acceptable percent probability starts of Scalp trend?	# >= 1	The minimum acceptable percentage probability of continuing the trend in the Scalp section? (Automatic or close to the start value is the input parameters function in the Rating section.)
Observing the sequence of percentages in Minor3D1?	Yes No	Maintaining the sequence of 3D predictive percentages of the trend, in the scalp section, from smaller to larger, respectively?
Observing the reverse sequence of percentages in Minor3D1?	Yes No	Maintaining the inverted sequence of 3D predictive percentages of the reverse trend, in the scalp section, from larger to smaller, respectively?
Close serious loss All positions?	Yes No	Are positions that have suffered losses separately and the possibility of a return to the anticipated process unlikely to close in the short term? (For All positions)
Close serious loss Scalps?	Yes No	Are positions that have suffered losses separately and the possibility of a return to the anticipated process unlikely to close in the short term? (Only for Scalp positions)

Option	Valid Value	Explain
Close serious loss Scalp Twins?	Yes No	Are positions that have suffered losses separately and the possibility of a return to the anticipated process unlikely to close in the short term? (Only for Scalp Twin positions)
Close serious loss Scalp Repeats?	Yes No	Are positions that have suffered losses separately and the possibility of a return to the anticipated process unlikely to close in the short term? (Only for Scalp Repeat positions)
Close serious loss Hedges?	Yes No	Are positions that have suffered losses separately and the possibility of a return to the anticipated process unlikely to close in the short term? (Only for Hedge positions)
Min. percent of frame passed for Scalp detection?	# >= 0.00	The minimum percentage of the last frame passed, to check the trend in scalping?
Min. number of Bars for Scalp detection?	# >= 0	The minimum number of Bars (Candles) to detect the conditions of entry into Scalp method?
Max. number of Bars to detect entry point to the Scalp?	# >= 0	The maximum number of Bars (Candles) to detect the time of entry into the Scalp method?



## General Settings section:

In the "General Settings" section, you can turn on or off intelligent auxiliary and control tools embedded in the robot. Powerful instruments such as trading method (market or instant, pending, combined), financial management, follow-up Stop Loss, no loss exit, closing trades after receiving the specified minimum profit, closing trades with the maximum specified loss, limiting order registration starting with a Bar, etc.

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## ***Notice.... This is very important:***

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**The robot can simultaneously work on all Symbols, some Symbols, or just one Symbol. So, what if the parameter «Trade by Symbol? In the "All Symbols" setting, it always reviews all Symbols and registers orders based on all Symbols.**

**So, if you have a specific group of Symbols, select the Symbols at the beginning.**



In the following sections, some of the smart features in this section provide the facilities for more precise determination of minor parameters (for advanced users).

Option	Valid Value	Explain
Trade by Symbol (Filter 1)?	Current Chart Symbol All Symbols Current Market Watch List Forex\Fx Majors Forex\Fx Minors Forex\Fx Exotics Forex\Fx RUB Spot Metals CFD\Indexes CFD\Comodts بورس فرابورس حق TSE صندوق ETF مشتقات TSE شاخص مشتقات IME برای ارزیابی بازارهای جهانی نظرات اساسی بازارهای جهانی نظرات گرانچه بازارهای جهانی کالاهای اساسی بازارهای جهانی Moex بازارهای جهانی Commodities CFD بازارهای جهانی Indices CFD بازارهای جهانی Cryptopairs CFD بازارهای جهانی بورس تجدیل نشده فرابورس تجدیل نشده سگه و ارز Forex\Main Forex\Exotics CFD\Energies Stocks\USA Stocks\ASIA Crypto CFD Cash\Indexes CFD Cash\Energies convert بازارهای جهانی مشتقات بورس اوراق مشارکت (فرابورس)	Select the first group of Symbols for analysis?
Trade by Symbol (Filter 2)?	None Forex\Fx Majors Forex\Fx Minors Forex\Fx Exotics Forex\Fx RUB Spot Metals CFD\Indexes CFD\Comodts بورس فرابورس حق TSE صندوق ETF مشتقات TSE شاخص مشتقات IME برای ارزیابی بازارهای جهانی نظرات اساسی بازارهای جهانی نظرات گرانچه بازارهای جهانی کالاهای اساسی بازارهای جهانی Moex بازارهای جهانی Commodities CFD بازارهای جهانی Indices CFD بازارهای جهانی Cryptopairs CFD بازارهای جهانی بورس تجدیل نشده فرابورس تجدیل نشده سگه و ارز Forex\Main Forex\Exotics CFD\Energies Stocks\USA Stocks\ASIA Crypto CFD Cash\Indexes CFD Cash\Energies convert بازارهای جهانی مشتقات بورس اوراق مشارکت (فرابورس)	Select the second group of Symbols for analysis?

Option	Valid Value	Explain
Trade by Symbol (Filter 3)?	None Forex\Fx Majors Forex\Fx Minors Forex\Fx Exotics Forex\Fx RUB Spot Metals CFD\Indexes CFD\Comodts TSE\بورس TSE\فرا بورس TSE\حق تقدم TSE\صندوق ETF TSE\مشقات TSE\شاخص TSE\مشقات IME برابری ارز بازار های جهانی فلزات اساسی بازار های جهانی فلزات گرانبها بازار های جهانی کالا های اساسی بازار های جهانی Moex بازار های جهانی Commodities بازار های جهانی Indices بازار های جهانی Cryptopairs بازار های جهانی بورس تبدیل نشده TSE فرا بورس تبدیل نشده TSE سکه و ارز Forex\Main Forex\Exotics CFD\Energies Stocks\USA Stocks\ASIA Crypto CFD Cash\Indexes CFD Cash\Energies convert بازار های جهانی مشتقه بورس TSE اوراق مشارکت (فرا بورس) TSE	Select the third group of Symbols for analysis?
Trade by Symbol (Filter 4)?	None Forex\Fx Majors Forex\Fx Minors Forex\Fx Exotics Forex\Fx RUB Spot Metals CFD\Indexes CFD\Comodts TSE\بورس TSE\فرا بورس TSE\حق تقدم TSE\صندوق ETF TSE\مشقات TSE\شاخص TSE\مشقات IME برابری ارز بازار های جهانی فلزات اساسی بازار های جهانی فلزات گرانبها بازار های جهانی کالا های اساسی بازار های جهانی Moex بازار های جهانی Commodities بازار های جهانی Indices بازار های جهانی Cryptopairs بازار های جهانی بورس تبدیل نشده TSE فرا بورس تبدیل نشده TSE سکه و ارز Forex\Main Forex\Exotics CFD\Energies Stocks\USA Stocks\ASIA Crypto CFD Cash\Indexes CFD Cash\Energies convert بازار های جهانی مشتقه بورس TSE اوراق مشارکت (فرا بورس) TSE	Select the Fourth group of Symbols for analysis?

Option	Valid Value	Explain
Trade by Symbol (Filter 5)?	None Forex\Fx Majors Forex\Fx Minors Forex\Fx Exotics Forex\Fx RUB Spot Metals CFD\Indexes CFD\Comodts TSE\بورس TSE\فرا بورس TSE\حق تقدم TSE\صندوق ETF TSE\مشقات TSE\شاخص TSE\مشقات IME برابری ارز بازار های جهانی فلزات اساسی بازار های جهانی فلزات گرانبها بازار های جهانی کالاهای اساسی بازار های جهانی بازار های جهانی Moex بازار های جهانی Commodities CFD بازار های جهانی Indices CFD بازار های جهانی Cryptopairs CFD بورس تبدیل نشده TSE فرا بورس تبدیل نشده TSE سکه و ارز Forex\Main Forex\Exotics CFD\Energies Stocks\USA Stocks\ASIA Crypto CFD Cash\Indexes CFD Cash\Energies convert بازار های جهانی مشتقه بورس TSE اوراق مشارکت (فرا بورس) TSE	Select the 5 <sup>th</sup> group of Symbols for analysis?
Trade by Symbol (Filter 6)?	None Forex\Fx Majors Forex\Fx Minors Forex\Fx Exotics Forex\Fx RUB Spot Metals CFD\Indexes CFD\Comodts TSE\بورس TSE\فرا بورس TSE\حق تقدم TSE\صندوق ETF TSE\مشقات TSE\شاخص TSE\مشقات IME برابری ارز بازار های جهانی فلزات اساسی بازار های جهانی فلزات گرانبها بازار های جهانی کالاهای اساسی بازار های جهانی بازار های جهانی Moex بازار های جهانی Commodities CFD بازار های جهانی Indices CFD بازار های جهانی Cryptopairs CFD بورس تبدیل نشده TSE فرا بورس تبدیل نشده TSE سکه و ارز Forex\Main Forex\Exotics CFD\Energies Stocks\USA Stocks\ASIA Crypto CFD Cash\Indexes CFD Cash\Energies convert بازار های جهانی مشتقه بورس TSE اوراق مشارکت (فرا بورس) TSE	Select the Sixth group of Symbols for analysis?

Option	Valid Value	Explain
Trade by Symbol (Filter 7)?	None Forex\Fx Majors Forex\Fx Minors Forex\Fx Exotics Forex\Fx RUB Spot Metals CFD\Indexes CFD\Comodts TSE\بورس TSE\فرا بورس TSE\حق تقدم TSE\صندوق ETF TSE\مشقات TSE\شاخص TSE\مشقات IME برابری ارز بازارهای جهانی فلزات اساسی بازارهای جهانی فلزات گرانبها بازارهای جهانی کالاهای اساسی بازارهای جهانی Moex بازارهای جهانی Commodities CFD بازارهای جهانی Indices CFD بازارهای جهانی Cryptopairs CFD بازارهای جهانی بورس تبدیل نشده TSE فرا بورس تبدیل نشده TSE سکه و ارز Forex\Main Forex\Exotics CFD\Energies Stocks\USA Stocks\ASIA Crypto CFD Cash\Indexes CFD Cash\Energies convert بازارهای جهانی مشتقه بورس TSE اوراق مشارکت فرا بورس TSE	Select the Seventh group of Symbols for analysis?
Trade by Symbol (Filter 8)?	None Forex\Fx Majors Forex\Fx Minors Forex\Fx Exotics Forex\Fx RUB Spot Metals CFD\Indexes CFD\Comodts TSE\بورس TSE\فرا بورس TSE\حق تقدم TSE\صندوق ETF TSE\مشقات TSE\شاخص TSE\مشقات IME برابری ارز بازارهای جهانی فلزات اساسی بازارهای جهانی فلزات گرانبها بازارهای جهانی کالاهای اساسی بازارهای جهانی Moex بازارهای جهانی Commodities CFD بازارهای جهانی Indices CFD بازارهای جهانی Cryptopairs CFD بازارهای جهانی بورس تبدیل نشده TSE فرا بورس تبدیل نشده TSE سکه و ارز Forex\Main Forex\Exotics CFD\Energies Stocks\USA Stocks\ASIA Crypto CFD Cash\Indexes CFD Cash\Energies convert بازارهای جهانی مشتقه بورس TSE اوراق مشارکت فرا بورس TSE	Select the 8 <sup>th</sup> group of Symbols for analysis?



Option	Valid Value	Explain
Trade by Symbol (Filter 9)?	None Forex\Fx Majors Forex\Fx Minors Forex\Fx Exotics Forex\Fx RUB Spot Metals CFD\Indexes CFD\Comodts TSE\بورس TSE\فرا بورس TSE\حق تقنینی TSE\صندوقی ETF TSE\مشغقات TSE\شاخص TSE\مشغقات IME\مشغقات برای ارزیابی بازارهای جهانی فلزات اساسی بازارهای جهانی فلزات گرانبها بازارهای جهانی کالاهای اساسی بازارهای جهانی Moex\بازارهای جهانی Commodities CFD\بازارهای جهانی Indices CFD\بازارهای جهانی Cryptopairs CFD\بازارهای جهانی بورس تعدیل نشده TSE فرا بورس تعدیل نشده TSE سکه و ارز Forex\Main Forex\Exotics CFD\Energies Stocks\USA Stocks\ASIA Crypto CFD Cash\Indexes CFD Cash\Energies convert بازارهای جهانی مشتقه\بورس TSE اوراق مشارکت\فرا بورس TSE	Select the 9 <sup>th</sup> group of Symbols for analysis?
Trade by Symbol (Filter 10)?	[Symbol name]	Select a Symbol for analysis?
No Trade by Symbol (Filter 1)?	None Forex\Fx Majors Forex\Fx Minors Forex\Fx Exotics Forex\Fx RUB Spot Metals CFD\Indexes CFD\Comodts TSE\بورس TSE\فرا بورس TSE\حق تقنینی TSE\صندوقی ETF TSE\مشغقات TSE\شاخص TSE\مشغقات IME\مشغقات برای ارزیابی بازارهای جهانی فلزات اساسی بازارهای جهانی فلزات گرانبها بازارهای جهانی کالاهای اساسی بازارهای جهانی Moex\بازارهای جهانی Commodities CFD\بازارهای جهانی Indices CFD\بازارهای جهانی Cryptopairs CFD\بازارهای جهانی بورس تعدیل نشده TSE فرا بورس تعدیل نشده TSE سکه و ارز Forex\Main Forex\Exotics CFD\Energies Stocks\USA Stocks\ASIA Crypto CFD Cash\Indexes CFD Cash\Energies convert بازارهای جهانی مشتقه\بورس TSE اوراق مشارکت\فرا بورس TSE	Select the first group of Symbols that should not be analyzed?

Option	Valid Value	Explain
<p>No Trade by Symbol (Filter 2)?</p>	<p>None                      Forex\Fx Majors                      Forex\Fx Minors                      Forex\Fx Exotics                      Forex\Fx RUB                      Spot Metals                      CFD\Indexes                      CFD\Comodts                      TSE\بورس                      TSE\فرا بورس                      TSE\حق تقدم                      TSE\صندوق ETF                      TSE\مشغقات                      TSE\شاخص                      TSE\مشغقات                      IME\مشغقات                      برابری ارز بازار های جهانی                      فلزات اساسی بازار های جهانی                      فلزات گرانبها بازار های جهانی                      کالا های اساسی بازار های جهانی                      Moex\بازار های جهانی                      Commodities CFD\بازار های جهانی                      Indices CFD\بازار های جهانی                      Cryptopairs CFD\بازار های جهانی                      بورس تبدیل نشده TSE                      فرا بورس تبدیل نشده TSE                      سکه و ارز                      Forex\Main                      Forex\Exotics                      CFD\Energies                      Stocks\USA                      Stocks\ASIA                      Crypto                      CFD Cash\Indexes                      CFD Cash\Energies                      convert                      بازار های جهانی                      مشتقه بورس TSE                      اوراق مشارکت فرا بورس TSE</p>	<p>Select the second group of Symbols that should not be analyzed?</p>
<p>No Trade by Symbol (Filter 3)?</p>	<p>None                      Forex\Fx Majors                      Forex\Fx Minors                      Forex\Fx Exotics                      Forex\Fx RUB                      Spot Metals                      CFD\Indexes                      CFD\Comodts                      TSE\بورس                      TSE\فرا بورس                      TSE\حق تقدم                      TSE\صندوق ETF                      TSE\مشغقات                      TSE\شاخص                      TSE\مشغقات                      IME\مشغقات                      برابری ارز بازار های جهانی                      فلزات اساسی بازار های جهانی                      فلزات گرانبها بازار های جهانی                      کالا های اساسی بازار های جهانی                      Moex\بازار های جهانی                      Commodities CFD\بازار های جهانی                      Indices CFD\بازار های جهانی                      Cryptopairs CFD\بازار های جهانی                      بورس تبدیل نشده TSE                      فرا بورس تبدیل نشده TSE                      سکه و ارز                      Forex\Main                      Forex\Exotics                      CFD\Energies                      Stocks\USA                      Stocks\ASIA                      Crypto                      CFD Cash\Indexes                      CFD Cash\Energies                      convert                      بازار های جهانی                      مشتقه بورس TSE                      اوراق مشارکت فرا بورس TSE</p>	<p>Select the third group of Symbols that should not be analyzed?</p>

Option	Valid Value	Explain
<p>No Trade by Symbol (Filter 4)?</p>	<p>None                      Forex\Fx Majors                      Forex\Fx Minors                      Forex\Fx Exotics                      Forex\Fx RUB                      Spot Metals                      CFD\Indexes                      CFD\Comodts                      TSE\بورس                      TSE\فرا بورس                      TSE\حق تقدم                      TSE\صندوق ETF                      TSE\مشقات                      TSE\شاخص                      TSE\مشقات                      IME\مشقات                      برابری ارز بازار های جهانی                      فلزات اساسی بازار های جهانی                      فلزات گرانبه بازار های جهانی                      کالا های اساسی بازار های جهانی                      Moex\بازار های جهانی                      Commodities CFD\بازار های جهانی                      Indices CFD\بازار های جهانی                      Cryptopairs CFD\بازار های جهانی                      بورس تبدیل نشده TSE                      فرا بورس تبدیل نشده TSE                      سکه و ارز                      Forex\Main                      Forex\Exotics                      CFD\Energies                      Stocks\USA                      Stocks\ASIA                      Crypto                      CFD Cash\Indexes                      CFD Cash\Energies                      convert                      بازار های جهانی                      مشتقه بورس TSE                      اوراق مشارکت (فرا بورس) TSE</p>	<p>Select the Fourth group of Symbols that should not be analyzed?</p>
<p>No Trade by Symbol (Filter 5)?</p>	<p>None                      Forex\Fx Majors                      Forex\Fx Minors                      Forex\Fx Exotics                      Forex\Fx RUB                      Spot Metals                      CFD\Indexes                      CFD\Comodts                      TSE\بورس                      TSE\فرا بورس                      TSE\حق تقدم                      TSE\صندوق ETF                      TSE\مشقات                      TSE\شاخص                      TSE\مشقات                      IME\مشقات                      برابری ارز بازار های جهانی                      فلزات اساسی بازار های جهانی                      فلزات گرانبه بازار های جهانی                      کالا های اساسی بازار های جهانی                      Moex\بازار های جهانی                      Commodities CFD\بازار های جهانی                      Indices CFD\بازار های جهانی                      Cryptopairs CFD\بازار های جهانی                      بورس تبدیل نشده TSE                      فرا بورس تبدیل نشده TSE                      سکه و ارز                      Forex\Main                      Forex\Exotics                      CFD\Energies                      Stocks\USA                      Stocks\ASIA                      Crypto                      CFD Cash\Indexes                      CFD Cash\Energies                      convert                      بازار های جهانی                      مشتقه بورس TSE                      اوراق مشارکت (فرا بورس) TSE</p>	<p>Select the 5<sup>th</sup> group of Symbols that should not be analyzed?</p>

Option	Valid Value	Explain
<p>No Trade by Symbol (Filter 6)?</p>	<p>None                      Forex\Fx Majors                      Forex\Fx Minors                      Forex\Fx Exotics                      Forex\Fx RUB                      Spot Metals                      CFD\Indexes                      CFD\Comodts                      TSE\بورس                      TSE\فرا بورس                      TSE\حق تقدم                      TSE\صندوق ETF                      TSE\مشقات                      TSE\شاخص                      TSE\مشقات                      IME                      برابری ارز بازار های جهانی                      فلزات اساسی بازار های جهانی                      فلزات گرانبها بازار های جهانی                      کالاهای اساسی بازار های جهانی                      Moex بازار های جهانی                      Commodities CFD بازار های جهانی                      Indices CFD بازار های جهانی                      Cryptopairs CFD بازار های جهانی                      بورس تبدیل نشده TSE                      فرا بورس تبدیل نشده TSE                      سکه و ارز                      Forex\Main                      Forex\Exotics                      CFD\Energies                      Stocks\USA                      Stocks\ASIA                      Crypto                      CFD Cash\Indexes                      CFD Cash\Energies                      convert                      بازار های جهانی                      مشتقه بورس TSE                      اوراق مشارکت فرا بورس TSE</p>	<p>Select the Sixth group of Symbols that should not be analyzed?</p>
<p>No Trade by Symbol (Filter 7)?</p>	<p>None                      Forex\Fx Majors                      Forex\Fx Minors                      Forex\Fx Exotics                      Forex\Fx RUB                      Spot Metals                      CFD\Indexes                      CFD\Comodts                      TSE\بورس                      TSE\فرا بورس                      TSE\حق تقدم                      TSE\صندوق ETF                      TSE\مشقات                      TSE\شاخص                      TSE\مشقات                      IME                      برابری ارز بازار های جهانی                      فلزات اساسی بازار های جهانی                      فلزات گرانبها بازار های جهانی                      کالاهای اساسی بازار های جهانی                      Moex بازار های جهانی                      Commodities CFD بازار های جهانی                      Indices CFD بازار های جهانی                      Cryptopairs CFD بازار های جهانی                      بورس تبدیل نشده TSE                      فرا بورس تبدیل نشده TSE                      سکه و ارز                      Forex\Main                      Forex\Exotics                      CFD\Energies                      Stocks\USA                      Stocks\ASIA                      Crypto                      CFD Cash\Indexes                      CFD Cash\Energies                      convert                      بازار های جهانی                      مشتقه بورس TSE                      اوراق مشارکت فرا بورس TSE</p>	<p>Select the Seventh group of Symbols that should not be analyzed?</p>



Option	Valid Value	Explain
Not Disabled trade mod Symbols?	Yes No	Are Symbols whose trading access is not prohibited to be evaluated?
Timeframe?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Time frame base in the first group multi-frame array to start the robot work?
Timeframe2?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Time frame base in the second group multi-time frame array to start the robot work?
Timeframe (Stock Only)?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Time frame base in the first group of multi-frame array to start robot work (limited to stock trading)?



Option	Valid Value	Explain
Timeframe2 (Stock Only)?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Time frame base in the second group of multi-frame array to start the robot (limited to stock trading)?
Maximum TF for auto calculation TFs?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Determining the largest time frame for automatic calculations leading to the use of time frames?
Order Registration method?	Market and Pending Market Pending Advise only by Alert Advise only by Messagebox Advise only by system notification Advise only by E-Mail Advise by Alert, notification and E-Mail Advise by Alert and notification Advise by Alert and E-Mail No advise No operations	How to place an order or make an offer?
Order Registration method (Stock Only)?	Market and Pending Market Pending Advise only by Alert Advise only by Messagebox Advise only by system notification Advise only by E-Mail Advise by Alert, notification and E-Mail Advise by Alert and notification Advise by Alert and E-Mail No advise No operations	How to place an order or offer (limited to stock trading)?
Maximum duration for Ping speed measurements(microseconds)?	# >= 0	Maximum Ping latency as a measure (in microseconds)?
Maximum duration for Service speed measurements(microseconds)?	# >= 0	Maximum latency of data request services as a measure (in microseconds)?
Maximum duration for Storage speed measurements(microseconds)?	# >= 0	Maximum operation latency on the database as a measurement criterion (in microseconds)?

Option	Valid Value	Explain
Maximum duration for Web request speed measurements(microseconds)?	# >= 0	Maximum latency of web request services as a measurement criterion (in microseconds)?
To calculate prices, use history?	Yes No	Is it necessary to use history to calculate prices?
Max allowed microseconds for data insertion?	# >= 0	Maximum allowed time to insert data into the history table of prices and values (microseconds)?
Initial number of record admissions for the price record table?	# >= 0	The initial number of record admissions for the price record table has not been noticeable in such a way as to slow down?
Max. number of record admissions for the price record table?	# >= 0	The Maximum number of record admissions for the price record table has not been noticeable in such a way as to slow down?
Using Pre-Enumerating Symbols (if possible)?	Yes No	Pre-counting the entire Server Symbols to increase the initial speed of the Robot (if possible)?
Using Money Management?	Yes No	Is the automatic financial management mechanism used?
Using Trailing Stop?	Never Always Only for profitable positions	How is the automatic price follower mechanism used?
Using Break Even?	Yes No	Is the automatic mechanism of the end of trades unsealed to be used?
Using Force Close by Profit?	Yes No	Is the automatic mechanism for closing trades for a specified profit to be used?
Using Force Close by Loss?	Yes No	Is the automatic mechanism of closing trades used for certain losses?
Using Force Close by Loss?	# >= 0	Minimum interval (sec.) between executing sections related to automatic closing of open positions?
Trade on new bar?	Yes No	Should orders be placed solely on the new Bar?
Registering of Buy and Sell together?	Yes No	Is it possible to place a sales order when the purchase position is open for that Symbol, and vice versa?
Allow to registering repeated orders together?	Yes No	If a position is already open for a Symbol and the position of the same type of trade is provided again, is it allowed to re-register the same order as the open position?
Maximum Open Position/Order Alert in Big loop(0=infinite)?	# >= 0	Maximum allowed for open positions?

Option	Valid Value	Explain
Acceptable Slippage/Deviation (For manual Trailing)?	# >= 0	How many points is the acceptable Slippage/Deviation value?
Magic Number	# >= 0	What is the unique magic number of this robot for order registration?
Check-out time (milliseconds)?	# >= 0	Time interval for calling the robot's internal timer to milliseconds?
Short delay between Check-outs time (microseconds)?	# >= 0	Maximum intra-loop tolerance to microseconds?
Big Delay between Check-outs time (microseconds)?	# >= 0	Maximum loop tolerance to microseconds?
Big Delay between some actions (milliseconds):	# >= 0	Long pause for some operations in milliseconds?
Short delay between some actions (milliseconds):	# >= 0	Short pause for some operations in milliseconds?
Big delay between display loop (milliseconds):	# >= 0	Long pause for repeated operations in circles in milliseconds?
Short delay between display loop (milliseconds):	# >= 0	Short pause for repetitive operations in circles in milliseconds?
Delay for display status (milliseconds):	# >= 0	Pause to display the status, information and reports of the user on the chart in milliseconds?
Delay for Mouse and Keyboard Control (milliseconds):	# >= 0	Minimum time rebellion to keyboard and mouse status in milliseconds?
Delays to keep robots asynchronous (milliseconds):	# >= 0	Delay to keep asynchronous starting Robots activity in milliseconds?
Max retries on error:	# >= 0	Maximum repeat of a command in case of error:
Max bars of rate data to First retrieve:	# >= 0	Acceptable maximum number of bars to harvest information from a Symbol:
Close any Charts first (If not open Order and Position)?	Yes No	Should charts that are not corresponding to any open positions be closed when the robot starts?
Open Charts separately for every Symbol? (Not recommended)	Yes No	Open a chart for each raised Symbol? (It is not recommended because it makes system resources, unhealthd, lacking facilities for other robot tasks.)
Open chart on first Symbol Order?	Yes No	For the first registered order for a Symbol, open a new chart?
Open chart on first Symbol Order advise?	Yes No	For the first recommended order for a Symbol, open a new chart?
Close old charts in case of system restrictions?	Yes No	Close old charts in case of system restrictions?

Option	Valid Value	Explain
Timeframe for charts opened on Symbol Order?	Smallest Scope Timeframe Biggest Scope Timeframe Start level of multi Timeframe TF base for SL/TP calculation Max(TF of SL/TP & Biggest Scope Timeframe) Min(TF of SL/TP & Biggest Scope Timeframe) Smallest System Timeframe Biggest System Timeframe Same as Time frames Analysis Settings Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M5) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M10) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M15) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M20) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & M30) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H2) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H3) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H4) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H6) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H8) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & H12) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & D1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & W1) Max(Min(TF of SL/TP & Biggest Scope Timeframe) & MN1)	What time frame will open the new chart for the new order?
Close not use charts after deal?	Yes No	Will the charts that are not required be closed after each trade (those that do not have an open position)?
Mini chart fast updating Dividing coefficient (0=All Tfs)?	# >= 0	Split time frames for quickly updating Symbols in mini charts?
Maximum order at a time?	# >= 0	Maximum number of open positions at a time? (No more than this number, customization will not be registered.)
Minimum Acceptable Bars in First Period?	# >= 0	Minimum acceptable number of bars to harvest information from a Symbol:
Days for Calculating Min/Max Controller Prices?	# >= 0	How many days to calculate bars for calculations related to Maximum/Minimum Symbols?
Days for Screening very last deal?	# >= 0	Maximum number of acceptable days to disable a Symbol? (A Symbol that has been inactive for more than this number of days is withered.)
Apply time limit to main list?	Yes No	Do you skip Symbols that have been disabled for the specified number of days?
Write long detail log?	Yes No	Is the log created in great detail from the robot's performance?
Write long detail Error?	Yes No	Is the log created in great detail from errors?
Write Status log?	Yes No	Is the log of the robot status created or updated when it begins to analyze each view?
Maximum percent acceptable of Physical memory full?	# >= 0	Maximum acceptable percentage for computer memory filling (RAM)?
Minimum percent acceptable of Physical memory free?	# >= 0	Minimum acceptable percentage of computer memory free space (RAM)?
Maximum percent acceptable of Total memory full?	# >= 0	Maximum acceptable percentage for total computer memory filling?

Option	Valid Value	Explain
Minimum percent acceptable of Total memory free?	# >= 0	Minimum acceptable percentage of space free of total computer memory?
Minimum free space in Storage requirements (MB)?	# > 0	Minimum free space in storage media (MB)?
Will the robot be shut down if the memory is full?	Yes No	If the computer's memory is saturated, will the robot shut down?
Not considering Media/RAM capacity control in VPS?	Yes No	Is it not necessary to control capacity of RAM and Storage media on terminal host for VPS?
Would the license be asked to submit orders?	Yes No	Is it possible for the user to be allowed to place an order before each order is registered?
Request permission to first synchronize?	Yes No	Is it possible for the user to first sync data in Client with Server?
Get out Old Symbols?	No Stringent 1(using Symbol properties) Stringent 2(using Symbol history in Terminal) Stringent 3(using last trade in last M1) Stringent 4(using Symbol history in Server)	What discovery method should be used to skip Symbols that have not been traded for a long time?
Get out empty ASK Symbols?	Yes No	Should Symbols that do not have a demand price be skipped?
Get out empty BID Symbols?	Yes No	Should you skip Symbols that do not have a supply price?
Validity period of Symbol accessibility history(seconds)?	# >= 0	The validity period of the Symbol's accessibility history (seconds)?
Get out empty last Symbols trade time?	Yes No	Do you skip Symbols that do not have the date of the first trade?
Get out empty last Symbols trade time in TFs?	Yes No	Do you skip Symbols that do not have the date of the first transaction in time frame?
Get out after seconds fetching long time(0=infinity)?	# >= 0	How many seconds is the maximum tolerable time to respond to the Symbol to announce features? (If it exceeds this, the Symbol will be skipped.)
Get out after seconds fetching long time→Slow cat.(0=infinity)?	# >= 0	How many seconds is the maximum tolerable time to respond to the Symbol to announce features for slow category? (If it exceeds this, the Symbol will be skipped.)
Set as Slow Symbol after seconds fetching long time?	# >= 0	Specify an Symbol as a «slow Symbol» if it takes more than # seconds to calculate its weighted price?
Set as Slow Symbol after seconds fetching long time→Slow cat.?	# >= 0	Specify an Symbol as a «slow Symbol» if it takes more than # seconds to calculate its weighted price for slow category?

Option	Valid Value	Explain
Key string for slow category detection?	[Any String]	A string of letters that, if viewed in the group name, indicates that the Server is too late to respond to a request for information about the Symbols in this category?
Obsessive updates?	Yes No	Is it strict and obsessive in updating data? (The robot will slow too slow.)
Warning mod for Internet Connection lost?	By Messagebox By Alert	How to inform if robots disconnect with the Internet?
Using Stop loss and Take Profit?	No Stop Loss and Take Profit Both Stop Loss and Take Profit Stop Loss Only Take Profit Only	What policy is implemented to place automatic limits on profits and losses?
Bit version of the terminal allows?	Both 32 and 64 bits Only 32 bits Only 64 bits	How many bits is the terminal on which the robot is installed?
Terminal name control? (Not recommended)	Yes No	When starting, does the robot control the terminal name to check compatibility? (Regardless of this control, it may cause losses.)
Stop if incorrect Build# (Recommended)?	Yes No	When starting, does the robot control the terminal build number to check compatibility? (Regardless of this control, it may cause losses.)
Stop if incorrect Build# on VPS?	Yes No	When starting on VPS, does the robot control the terminal build number to check compatibility?
Minimum RAM requirements (MB)?	# >= 0	Minimum acceptable RAM host computer (MB)?
Minimum CPU Core requirements?	# >= 0	Minimum acceptable CPU core number on host computer?
Maximum increase allowed in stock prices for Buy(0=infinite)?	# >= 0	Maximum permissible percentage of Symbol price growth (for stocking in markets with daily price limits such as TSE)
Symbols with highest percentage ranking?	# >= 0	During screening, a minimum acceptable percentage of the ranking list, to continue analyzing a Symbol?
Symbols with highest percentage ranking (Stock Only)?	# >= 0	During screening, a minimum acceptable percentage of the ranking list, to continue analyzing a Symbol (limited to stock trading)?
Minimum number of Symbols to monitor (Bolter list)?	# >= 0	Minimum number of Symbols allowed in screening list?
Maximum number of Symbols to monitor (Bolter list)?	# >= 0	Maximum number of Symbols allowed in screening list?
Maximum number of Symbols can show in Market Watch?	# >= 0	Maximum number of Symbols displays allowed in Market Watch List?

Option	Valid Value	Explain
Random hide Symbol before Max Market Watch limit?	# >= 0	If the number of Symbols in the Market Watch List is at the allowed maximum threshold, will some Symbols be accidentally removed?
Clean Watch list method for better speed?	No cleaning Try clean all Nth last Symbol	What method should be used to clean up the Market Watch List to speed up the robot?
Trading method?	Only Exchange Trading Only Stock Trading Exchange and Stock Trading	How do robots trade operations?
Last seconds for checking Symbols updated(0=Auto)?	# >= 0	To show the percentage of market active, consider the last few seconds?
Min seconds offset for auto Symbol update checking?	# >= 0	Minimum last seconds to check market activity?
Which signal to work on?	Buy and Sell signals Buy signals Sell signals	Robot, what kind of signals does it work on?
Sort Watch List if possible?	Yes No	If possible, will the Symbols in the Market Watch List be sorted alphabetically?
Sort Symbols per Rates before Analyzing?	Yes No	Before starting the analysis, will the ranked list be sorted by ratings?
Distributed size to get reserve for ArrayResize?	# >= 0	How many bytes can be predicted to increase the size of dynamic arrays?
Price calculation type?	Based on Close prices(C) Based on Open prices(O) Based on High prices(H) Based on Low prices(L) Based on the Median price(HL/2) Based on the Typical price(HLC/3) Based on the Average Weighted Close price(HLCC/4) Based on the Average Weighted Open Close price(OHLC/4) Bar size (High - Low) (For system usage only)(H-L) Weighted Buy price. Weighted Sell price. Weighted Buy and Sell price. Weighted High price. Weighted Low price.	What is the method of calculating the weighted price of each Bar (Candle)?
Price calculation type (Stock Only)?	Based on Close prices(C) Based on Open prices(O) Based on High prices(H) Based on Low prices(L) Based on the Median price(HL/2) Based on the Typical price(HLC/3) Based on the Average Weighted Close price(HLCC/4) Based on the Average Weighted Open Close price(OHLC/4) Bar size (High - Low) (For system usage only)(H-L) Weighted Buy price. Weighted Sell price. Weighted Buy and Sell price. Weighted High price. Weighted Low price.	What is the method of calculating the weighted price of each Bar (candle) (limited to stock trading)?
Comparison method in first step to find direction of trend?	Only Price calculation type Only Regression estimation Price calculation type + Regression estimation	Choosing the method of calculating the first step to find the direction of the process?
Type of Regression calculation?	Simple Linear Regression (SLR) Multiple Linear Regression (MLR)	What method should be used to calculate regression?
Type of first independent variable in regression?	Frame start time Frame spread	What kind is the first independent variable in regression?



Option	Valid Value	Explain
How many microseconds are fresh aligned values calculation?	# >= 0	The maximum acceptable time interval (in Microseconds) that makes the existing calculations fresh and does not need to recalculate the number of Bars (Candles) aligned.
Max TF for Weighting calculation price?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	The largest time frame to calculate the weight of the candle?
Max Ticks for Weighting calculation price?	# >= 0	The highest number of trades in a candle to calculate the weight of the candle?
Completing incomplete frames in weighted calculations?	Yes No	Is the weighting calculation interval stretched back as much as the time left over from the last frame?
Use class programming method for price calculation?	Yes No	Is class-based programming used to calculate the price?
WebRequest Timeout (milliseconds)?	# >= 0	How many milliseconds is the waiting period allowed to receive a response when calling a site?
Get Forex Centers info from web?	Yes No	Is the information of active Forex centers extracted from the site?
Set old files dating to delete (seconds)?	# >= 0	How many seconds is the maximum time to hold old files?
Auto backup from Database?	Yes No	Is it automatically backed up from the database?
Build OIPCs Statistic report file when turning off?	Yes No	When the robot is shutting down, will a report of system conditions and privileges be created as text files?
Where will DB create?	Create Database in default media storage Create Database in RAM Create Database in preferred place	Where to create a working database?
Rebuilding the price records table to increase speed?	Yes No	Rebuilding the price records table to increase speed?
Min RAM needed to create DB in memory(MB)	# >= 0	How much RAM is needed on the terminal for the preferred (automatic) mode to create the database in the computer's main memory?
Increasing coefficient in periods?	# >= 1	Increasing the number of periods in calculations

Option	Valid Value	Explain
Writing reason for not registering an order?	Yes No	Is the text file of the report the reason for not registering the order of Symbols?
Show memory usage in comments?	Yes No	Does the memory usage status appear at the end of some in-screen descriptions?

### Market Fundamental Settings Section:

In the section "Fundamental Settings", you can set up specific options for markets such as Tehran Stock Exchange. This robot can also operate in Iran's stock exchange and IFB market (Iran Fara Bourse) if it has permission to operate by brokerage.

Option	Valid Value	Explain
How to obtain commission information?	Only from local data Download from site	How to obtain information about commissions?
How to obtain IRAN TSE information?	Only from local data Download from site	How to get information about fundamental issues in Iran TSE?
Is IRAN TSE Market?	Yes No	Is the current market the Iranian stock market?
Downloading and calculating TSE Fundamental?	Yes No	Can TSE information be downloaded from its site?
Start string in TSE Fundamental file?	"نماد"	A string indicating the start of information in the downloaded file?
Start position in TSE Fundamental file?	# >= 0	Start byte number to search for downloaded file?
Row period in TSE Fundamental file?	# >= 0	Repeat row period in downloaded file?
Symbol start position in TSE Fundamental file?	# >= 0	Byte number per row to start Symbol name in downloaded file?
P/E start position in TSE Fundamental file?	# >= 0	Byte number per row to start P/E Symbol in downloaded file?

Option	Valid Value	Explain
How to obtain commission information?	Only from local data Download from site	How to obtain information about commissions?
How to obtain IRAN TSE information?	Only from local data Download from site	How to get information about fundamental issues in Iran TSE?
Is IRAN TSE Market?	Yes No	Is the current market the Iranian stock market?
Downloading and calculating TSE Fundamental?	Yes No	Can TSE information be downloaded from its site?
Start string in TSE Fundamental file?	"نماد"	A string indicating the start of information in the downloaded file?
Start position in TSE Fundamental file?	# >= 0	Start byte number to search for downloaded file?
Row period in TSE Fundamental file?	# >= 0	Repeat row period in downloaded file?
Symbol start position in TSE Fundamental file?	# >= 0	Byte number per row to start Symbol name in downloaded file?
P/E start position in TSE Fundamental file?	# >= 0	Byte number per row to start P/E Symbol in downloaded file?

Option	Valid Value	Explain
EPS start position in TSE Fundamental file?	# >= 0	Byte number per row to start EPS Symbol in downloaded file?
«P» in P/E calculation method?	Site by last and static value Auto by current and dynamic values	How to calculate the price for obtaining P/E?
Fundamental data adding method?	Read from downloaded converted file Import to database Read directly from downloaded original URL	What method does the robot use to add basic information?
Reference site for Fundamental data download?	Reference site: MQL5.com and legacy Reference site: Cloud Drives	Reference for downloading fundamental information?
Cloud server?	"Cloud Server"	Protocol section and server name from cloud memory URL?
Cloud path?	"Cloud path"	Path section of the URL related to cloud memory?
N for clean Watch list Nth method for P/E finding speed?	# >= 0	To increase the speed and clean up the Watch List when calculating the P/E values, how many rows before the end of the list, pull out of the Watch List?
Start search for middle URL section?	# >= 0	How many start the number in the middle of the reference URL to download to verify the address?
End search for middle URL section?	# >= 0	How long does the sub-number in the middle of the reference URL to download continue to verify the address?
End search for middle URL sub-section?	# >= 0	

### Automatic time frames setting section:

In the "Time frames Analysis Settings" section, you can determine the options for analyzing mechanisms and specifying the best time frames for robot activity at any turn of rebellion.



Option	Valid Value	Explain
Minimum Number of Spreads on TF scope?	# >= 0	Minimum number of acceptable spreads included in a range proportional to time frames?

Option	Valid Value	Explain
Change multi Time frames to advised?	No change Change per Symbol Change per Cycle	How to change time frames while working?
Smallest Time frame for advise?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	The smallest authorized time frame selectable?
Biggest Time frame for advise?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	The largest authorized time frame selected?
Biggest Time frame for advise(Stock Only)?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	The largest authorized time frame selected) (limited to stock trading)?
Smallest Time frame for advise as Symbol duration?	Placement of spreads in frames Session duration is less than frame Auto fits the Symbol type	Determining the smallest allowable time frame selected based on the first frame time that exists larger than the duration of the trading session of a Symbol? (For the time frames to be selected for each Symbol.)
Start Bars needed to find the process?	# >= 0	A minimum number of Bars (Candles) from a Symbol, to start checking time frames?

Option	Valid Value	Explain
Spread size control for any TF?	Yes No	Is the small Spread for each Time frame, controlled, Time frames with large and disproportionate Spreads ignored?
Ratio of Spread Capacity?	0 ~ 100	Weighted coefficient of number of spreads included in a certain range of one-time frame?
Ratio of Trend Line?	0 ~ 100	Weighted coefficient of the number of simple trend lines in a certain range of one-time frame?
Allowed percent for Zero process TFs?	0 ~ 100	Maximum acceptable percentage of time frames without simple trend line and minimum acceptable for simple line time frames?
Max Symbol sample for TFs analyze?	# >= 0	Maximum number of Symbols for testing to find the right time frame set?
Min tolerance hope for a trend signal (point)?	# >= 0	Minimum tolerance signals hope in the process (point)?
Max tolerance hope for a trend signal (point)?	# >= 0	Maximum tolerance signals hope in the process (point)?
How to increase tolerance?	Increase to half distance Functional enhancement of index	How to increase tolerance step by step?
Use in session time Symbols Only?	Yes No	Should only use Symbols that have an active trading session?
Use in Time Zone Only?	Yes No	Are orders registered solely within the Time Zone of the markets?
Avoid timeframes with duplicate analysis?	Yes No	Do you skip time frames with the same analysis?
Force change deal duration to #seconds? (0=no change)	# >= 0	How long should the Symbol trading session take? (0=Real value without replacing a fixed period)
Removal of minimum time frame limits?	Yes No	Remove automatic limits to set minimum time frames?
Use only TFs with same trend line?	Yes No	Select only time frames that have the same trendline?
Minimum number of trendlines for direction in TF?	# >= 0	Minimum number of aligned trendlines to detect direction in a time frame?
Determining the priority of choosing time frames?	Time frame Weight(Descending), Time frame Size(Ascending) Time frame Size(Ascending), Time frame Weight(Descending)	Determining how to set effective time frames for prioritization?

## Settings section determining loss and profit limits:

In the "Stop loss and Take Profit Settings" section, you can set options for the mechanism for determining the limits of loss and profit when ordering.

* Stop loss and Take Profit Settings *	
Auto set Stop loss and Take Profit (By ATR)?	Automatic
Fixed Stop Loss (for Manually mode)?	20
Fixed Take Profit (for Manually mode)?	10
Offset from Stop Levels in Point-ST&TP (for Manually mode)?	0
Reward Risk Ratio?	3
Base period for Stop Loss Calculating?	Many so slow period for indicators
Base period for Take Profit Calculating?	Many so slow period for indicators
Max after TF for calculating Max ATR?	1
TF base for SL/TP calculation?	30 Minutes

Option	Valid Value	Explain
Auto set Stop loss and Take Profit (By ATR)?	Automatic Manually	Determine the location of profit and Stop Loss automatically or use fixed manual parameters?
Fixed Stop Loss (for Manually mode)?	# >= 0	Number of points to create a Stop Loss (in manual mode)
Fixed Take Profit (for Manually mode)?	# >= 0	Number of points to create a profit limit (in manual mode)
Offset from Stop Levels in Point-ST&TP (for Manually mode)?	# >= 0	Point to add to Stop Levels when calculating profit and Stop Loss (in manual mode)
Reward Risk Ratio?	# >= 0	Reward to risk ratio?
Base period for Stop Loss Calculating?	Min period for extremum of controllers calculation  Fast period for indicators  Medium period for indicators  Slow period for indicators  Very slow period for indicators  So slow period for indicators  Many so slow period for indicators	Determining the number of periods for calculating ATR, as the basis for calculating the Stop Loss?

Option	Valid Value	Explain
Base period for Take Profit Calculating?	Min period for extremum of controllers calculation  Fast period for indicators  Medium period for indicators  Slow period for indicators  Very slow period for indicators  So slow period for indicators  Many so slow period for indicators	Determining the number of periods for calculating ATR, as the basis for calculating the profit limit?
Max after TF for calculating Max ATR?	# >= 0	To calculate the ATR value, refer to the next (greater) time frame?
TF base for SL/TP calculation?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Time frame base to calculate profit and Stop Loss?

### Breakout system settings section:

In the small section "Breakout Pending Order Settings", you can set options for the trading mechanism of Breakout Pending Order in pending orders:



Option	Valid Value	Explain
Auto set Breakout?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Number of Bars for Breakout calculation (If Mode not Auto)?	# >= 0	Minimum number required bar (candle) to calculate (if not in auto mode)?



## Trailing Stop settings section:

In the important section "Trailing Stop settings", you can change the options for the Stop Loss mechanism.

Option	Valid Value	Explain
Trailing Stop Mode?	Automatic SL by PSAR or last Bar close Use fixed values	Automatically determine calculations or use fixed manual parameters?
Auto TF for SL trail?(Major:M1,M5,M15,M30,H1,H4,D1,W1,MN1)	30 Minutes	Default time frame for positions that, for any cost, have no profit and Stop Loss?
Stop loss for Trailing Stop settings(If Mode not Auto)?	0	How many points should be considered to calculate the Stop Loss (if not in automatic mode)?
Acceptable Minimum Take Profit(If Mode not Auto)?	1	How many points should be considered as the minimum profit (if not in auto mode)?
Acceptable Step for Stop Loss offset(If Mode not Auto)?	0	
Increase Price Step size for PSAR?	0.02	
Maximum Step size for PSAR?	0.2	
Minimum distance between SL and Current Price(If Mode not Auto)	1	
Minimum distance between SL and Current Price method?	Calculation based on after maximum volatility	
Set Take Profit to Infinite?	Yes	
Commission Coefficient?	2	
Commission coefficient applied first?	Yes	
Moving Stop Loss method?	Never	
Base period for Moving Stop Loss Calculating?	Fast period for indicators	
Base period for Near Moving Stop Loss Calculating?	Medium period for indicators	
Base period for Normal Moving Stop Loss Calculating?	So slow period for indicators	
How many profits?	High profit	
#Point to SL rollback if Unsustainable trend change?	1	
Force trailing for restricted time?	With 1/Auto duration of deal session	
Force trailing for restricted time (Pendings)?	With 1/Auto duration of deal session	
Seconds before end trade session to close profit position?	60	
Minimum seconds delay to avoid interfering with other Robots?	30	
Hedge for expired loss or danger positions?	Yes	
Main volume increase coefficient for Hedge?	1	
The biggest time frame for trailing hedge?	5 Minutes	
Use sub scalp for non-Scalp position?	Yes	

Option	Valid Value	Explain
Trailing Stop Mode?	Automatic SL by PSAR or last Bar close Use fixed values	Automatically determine calculations or use fixed manual parameters?
Auto TF for SL trail?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Default time frame for positions that, for any cost, have no profit and Stop Loss?
Stop loss for Trailing Stop settings (If Mode not Auto)?	# >= 0	How many points should be considered to calculate the Stop Loss (if not in automatic mode)?
Acceptable Minimum Take Profit (If Mode not Auto)?	# >= 0	How many points should be considered as the minimum profit (if not in auto mode)?

Option	Valid Value	Explain
Acceptable Step for Stop Loss offset (If Mode not Auto)?	# >= 0	How many points should be considered for the distance from the Stop Loss (if not in auto mode)?
Increase Price Step size for PSAR?	# >= 0.00	Price step size parameter in SAR indicator?
Maximum Step size for PSAR?	# >= 0.0	Maximum step size parameter in SAR indicator?
Minimum distance between SL and Current Price (If Mode not Auto)?	# >= 0	How many points should be considered for the distance between the current Stop Loss and current price (if not in automatic mode)?
Minimum distance between SL and Current Price method?	Calculation based on minimum volatility Calculate based on volatility arithmetic average Calculation based on maximum volatility Calculation based on after maximum volatility Calculation based on half spread Calculation based on spread	How to calculate the minimum point for the distance between the Stop Loss and current price?
Set Take Profit to Infinite?	Yes No	Is the infinite profit technique implemented?
Commission Coefficient?	# >= 0	Variable commission application coefficient?
Commission coefficient applied first?	Yes No	Does the commission coefficient apply when opening a position?
Moving Stop Loss method?	Never Always Only Near Open Price with short distance Only Near Open Price with long distance Always and Near Open Price	How to move the Stop Loss before entering profit mode?
Base period for Moving Stop Loss Calculating?	Never Always Only Near Open Price with short distance Only Near Open Price with long distance Always and Near Open Price	The basis for choosing the course to calculate the direction of moving the Stop Loss?
Base period for Near Moving Stop Loss Calculating?	Never Always Only Near Open Price with short distance Only Near Open Price with long distance Always and Near Open Price	The basis for choosing the course for the conditions of the current price close to the price of the position, to calculate the direction of moving the Stop Loss?
Base period for Normal Moving Stop Loss Calculating?	Never Always Only Near Open Price with short distance Only Near Open Price with long distance Always and Near Open Price	The basis for choosing a course to calculate the direction of moving the Stop Loss in natural conditions?

Option	Valid Value	Explain
How many profits?	Low profit High profit	What is the view for calculating profits?
#Point to SL rollback if Unsustainable trend change?	# >= 0	The number of point is set to move further away Stop_Loss when the trend changes and the possibility of closing the position due to the close of the Stop_Loss position (Zero means that the Stop_Loss never be pulled back).
Force trailing for restricted time?	No With smallest Timeframe With first multi Timeframe With smallest + first multi Timeframe With biggest Timeframe With smallest + first + biggest multi Timeframe With 2 * (smallest + first + biggest multi Timeframe) With duration of deal session With 1/2 duration of deal session With 1/4 duration of deal session With 1/8 duration of deal session With 1/Auto duration of deal session	How to calculate the maximum tolerance time for long positioning?
Force trailing for restricted time (Pendings)?	No With smallest Timeframe With first multi Timeframe With smallest + first multi Timeframe With biggest Timeframe With smallest + first + biggest multi Timeframe With 2 * (smallest + first + biggest multi Timeframe) With duration of deal session With 1/2 duration of deal session With 1/4 duration of deal session With 1/8 duration of deal session With 1/Auto duration of deal session	How to calculate the maximum tolerance time for prolonged opening orders (in pending trading)?
Seconds before end trade session to close profit position?	# >= 0	The remaining seconds until the end of the trading session, to force closing of positions entering profits to avoid negative Swaps?
Minimum seconds delay to avoid interfering with other Robots?	# >= 0	Minimum latency per second, to pause and avoid operational interference with other Robots to work on newly registered positions?
Hedge for expired loss or danger positions?	Yes No	Is there a counter order registered for open orders that have expired and have suffered apparent losses(Hedge)?
Main volume increase coefficient for Hedge?	# >= 0	The coefficient for determining the Volume when registering the Hedge order, increases the Volume multiplier in the original order?

Option	Valid Value	Explain
The biggest time frame for trailing hedge?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	The largest time frame needed to confirm the continued continuation of Hedge Trailing?
Use sub scalp for non-Scalp position?	Yes No	Are Scalp sub-mechanisms used for positions created by non-Scalp sections?
Dangerous insistence on previous predictions even changing?	Yes No	Dangerous insistence on the previous forecast, even if, for now, the trend has changed?  (If this option is turned on, important operations such as "Rollback Trailing" and "Close serious loss" will not operate according to the new process.)

### Break Even settings section:

In the small section "Break Even Settings", you can change the options for the stop-no-loss mechanism.

* Break Even Settings *	
Auto set Break Even?	Automatic
Acceptable Minimum Profit(If Mode not Auto)?	1
Acceptable Step for Stop Loss offset(If Mode not Auto)?	0
Base period for Break out Calculating?	Fast period for indicators

Option	Valid Value	Explain
Auto set Break Even?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Acceptable Minimum Profit (If Mode not Auto)	# >= 0	Minimum acceptable profit to point (if not in auto mode)?
Acceptable Step for Stop Loss offset (If Mode not Auto)	# >= 0	The minimum acceptable step to keep the distance from the Stop Loss to the point (if not in auto mode)?

Option	Valid Value	Explain
Base period for Break out Calculating?	Min period for extremum of controllers calculation Fast period for indicators Medium period for indicators Slow period for indicators Very slow period for indicators So slow period for indicators Many so slow period for indicators	The basis for selecting the number of courses to calculate (if not in auto mode)?

### Mandatory closing settings with specified profit:

In the section "Force Close by Profit Settings", you can change the options for the mandatory closing mechanism of the position when it comes to a certain profit.



Option	Valid Value	Explain
Acceptable Minimum Profit(0=Spread)?	# >= 0	Minimum acceptable profit to point (zero=spread size)?

### Mandatory closing settings with specified losses:

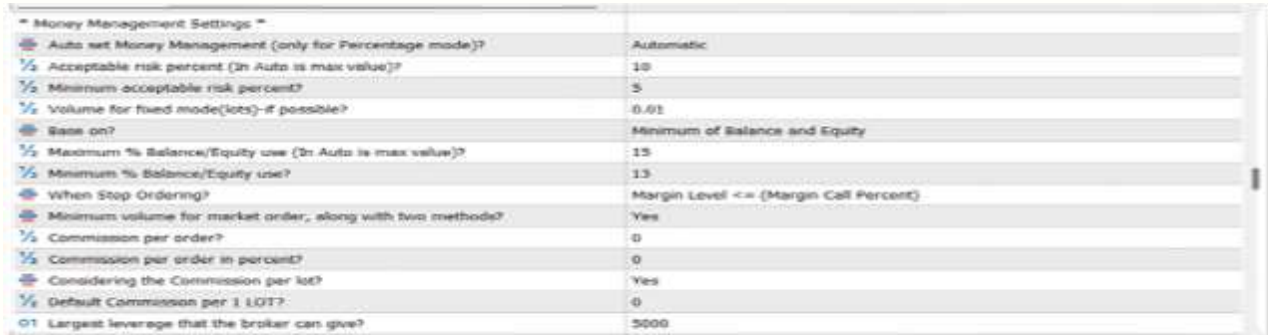
In the "Force Close by Loss Settings" section, you can change the options for the mandatory closing mechanism of the position when it comes to a certain loss.



Option	Valid Value	Explain
Acceptable Minimum Profit(0=Spread)?	# >= 0	Minimum desired loss to point (zero=spread size)?

## Financial Management Settings Section:

In the important section "Money Management Settings", you can change the options for financial management.



Option	Valid Value	Explain
Auto set Money Management (only for Percentage mode)?	Automatic Manually	Determine the calculations automatically or use fixed manual parameters (auto mode will only work properly for accounts for which the broker has considered percentage calculations)?
Acceptable risk percent (In Auto is max value)?	0 ~ 100	Is the maximum acceptable risk percentage (automatically, the calculation base is placed)?
Minimum acceptable risk percent?	0 ~ 100	The minimum acceptable risk percentage?
Volume for fixed mode(lots)?	# >= 0.00	Default Lot size (volume) for fixed mode?
Base on?	Equity Balance Minimum of Balance and Equity	Calculations based on "balance in account" or "general asset"?
Maximum % Balance/Equity use (In Auto is max value)?	0 ~ 100	Is the maximum tolerable percentage for participating in the transaction relative to the Balance/Equity (automatically, the basis is adjusted)?
Minimum % Balance/Equity use?	0 ~ 100	The minimum tolerable percentage for participating in the transaction relative to the share/asset?

Option	Valid Value	Explain
Auto set Money Management (only for Percentage mode)?	Automatic Manually	Determine the calculations automatically or use fixed manual parameters (auto mode will only work properly for accounts for which the broker has considered percentage calculations)?
Acceptable risk percent (In Auto is max value)?	0 ~ 100	Is the maximum acceptable risk percentage (automatically, the calculation base is placed)?
Minimum acceptable risk percent?	0 ~ 100	The minimum acceptable risk percentage?
Volume for fixed mode(lots)?	# >= 0.00	Default Lot size (volume) for fixed mode?
Base on?	Equity Balance Minimum of Balance and Equity	Calculations based on "balance in account" or "general asset"?
Maximum % Balance/Equity use (In Auto is max value)?	0 ~ 100	Is the maximum tolerable percentage for participating in the transaction relative to the Balance/Equity (automatically, the basis is adjusted)?
Minimum % Balance/Equity use?	0 ~ 100	The minimum tolerable percentage for participating in the transaction relative to the share/asset?

Option	Valid Value	Explain
When Stop Ordering?	Not checking Margin Level Margin Level <= (2 * Stop Out Percent) Margin Level <= (2 * Margin Call Percent) Margin Level <= (Stop Out Percent + Margin Call Percent) Margin Level <= 100% Margin Level <= 105% Margin Level <= 110% Margin Level <= 115% Margin Level <= 120% Margin Level <= 125% Margin Level <= 130% Margin Level <= 150% Margin Level <= 160% Margin Level <= 170% Margin Level <= 180% Margin Level <= 190% Margin Level <= 200%	When to prevent the registration of a new order? (To prevent Stop Out))
Minimum volume for market order, along with two methods?	Yes No	Minimum volume for market order, when both market ordering methods and pending are selected (for a case that is not Range)?
Commission per order?	# >= 0	Commission amount per order?
Commission per order in percent?	0 ~ 100	Commission amount per lot per percentage?
Considering the Commission per lot?	Yes No	Should the commission be considered for a lot?
Default Commission per 1 Lot?	# >= 0.0	Default commission for one lot?
Largest leverage that the broker can give?	# >= 1	The largest "Leverage" coefficient that a brokerage can give?



## Trading Time Control Settings Section:

In the "Order time controller Settings" section, you can set options for grading orders.

* Order time controller Settings *	
Using Order time controller?	Yes
All of days of week?	No
Start Day of Week?	Saturday
Start: Hour?	0
Start: Minute?	0
Start: Seconds?	1
End Day of Week?	Friday
End: Hour?	15
End: Minute?	59
End: Seconds?	59
Using Local Time?	No
Allowed frames until the end of trading to order?	4
Max. seconds Denied from end of session?	900

Option	Valid Value	Explain
Using Order time controller?	Yes No	Is the trading timing mechanism used?
All of days of week?	Yes No	Is the trading timing considered for all days of the week (or the start and end days as specified below)?
Start Day of Week?	Friday Monday Tuesday Wednesday Thursday Friday Saturday	Week day allowed to start trading?
Start: Hour?	0 ~ 23	Allowed hours to start trading?
Start: Minute?	0 ~ 59	Minutes allowed to start trading?
Start: Seconds?	0 ~ 59	Seconds allowed to start trading?
End Day of Week?	Friday Monday Tuesday Wednesday Thursday Friday Saturday	Week day allowed for the end of trading?
End: Hour?	0 ~ 23	Hours allowed for the end of trading?
End: Minute?	0 ~ 59	Minutes allowed for the end of trading?
End: Seconds?	0 ~ 59	Allowed seconds for the end of trading?

Option	Valid Value	Explain
Using Local Time?	Yes No	Should local time be the basis for the timing?
Allowed frames until the end of trading to order?	# >= 0	Minimum acceptable time to frame, until the end of the current trading session?
Max. seconds Denied from end of session?	# >= 0	Maximum acceptable time in seconds, until the end of the current trading session?
Dangerous distance to the percentage of Stop Out?	# >= 0	The minimum tolerable percentage distance to approach "Margin Level" to "Stop Out Level"? (Because in such circumstances, the Robot, to avoid "Stop Out", immediately tries to close positions that have reached full profit.
So dangerous distance to the percentage of Stop Out?	# >= 0	The minimum tolerable percentage distance to get too close to "Level Margin" to "Stop Out Level"? (Because in such circumstances, the Robot, to avoid "Stop Out," immediately tries to close positions that have not even made a full profit.













Option	Valid Value	Explain
How show Indicators and Oscillators?	All Indicators and Oscillators Hide any Indicators and Oscillators Indicators only Oscillators only	How to display indicators and oscillators?
Chart display mode?	Display as a sequence of bars Display as Japanese candlesticks Display as a line drawn by Close prices	How is the chart display mode?
Mini Chart display mode?	Display as a sequence of bars Display as Japanese candlesticks Display as a line drawn by Close prices	How is the mini chart display mode?
Show Ticker values in the upper left corner?	Yes No	Will the number of trades be shown in the top left corner?
Show Ticker values in the upper left corner(Mini Chart)?	Yes No	Will the number of trades be shown in the top left corner (for mini chart)?
Show OHLC values in the upper left corner?	Yes No	Show opening, maximum, minimum and closing prices in the top left corner?
Display Bid values as a horizontal line?	Yes No	Is the horizontal line of the Bid price displayed?
Display Bid values as a horizontal line(Mini Chart)?	Yes No	Is the horizontal line of the Bid price displayed (for mini chart)?
Display Ask values as a horizontal line?	Yes No	Is the horizontal line of the Ask price displayed?
Display Ask values as a horizontal line(Mini Chart)?	Yes No	Is the horizontal line of the Ask price displayed (for mini chart)?
Display Last values as a horizontal line?	Yes No	Is the horizontal line of the last price displayed?
Display Last values as a horizontal line(Mini Chart)?	Yes No	Is the horizontal line of the last price displayed (for mini chart)?
Display vertical separators between adjacent periods?	Yes No	Are vertical lines of frame margins displayed?
Display vertical separators between adjacent periods→Mini Chart?	Yes No	Are vertical lines of frame margins displayed (for mini chart)?
Display grid?	Yes No	Is the ostrich drawing displayed?
Display grid(Mini Chart)?	Yes No	Is the ostrich drawing displayed (for mini chart)?
Display volume?	Volumes are not shown Tick volumes Trade volumes	What will be shown as the amount of trades?
Display volume(Mini Chart)?	Volumes are not shown Tick volumes Trade volumes	What will be shown as the amount of trades (for mini chart)?











Option	Valid Value	Explain
Automatic switching display Real and Tick of volumes?	Yes No	Does it automatically change how trades are displayed between volume and number?
Displaying trade levels?	Yes No	Is the level of trading displayed?
Displaying trade levels(Mini Chart)?	Yes No	Is the level of trading displayed (for mini chart)?
Display textual descriptions of objects?	Yes No	Show text description of objects?
Display textual descriptions of objects(Mini Chart)?	Yes No	Show text description of objects (for mini chart)?
Chart scale?	0 ~ 5	Scale chart display on chart page?
Mini Chart scale(0~5)?	0 ~ 5	Scale mini chart display on chart page?
Showing the «One click trading» panel?	Yes No	Will the "One Click Order" panel be displayed?
Showing the «One click trading» panel(Mini Chart)?	Yes No	Will the "One Click Order" panel be displayed (for mini chart)?
Indent from the right border?	Yes No	Has the chart indent towards the right side of the frame?
Indent from the right border(Mini Chart)?	Yes No	Has the mini chart indent towards the right side of the frame?
Show Flame Indicator on new chart?	Do not show Show Show only when exist OpenCL	The criterion for displaying flame visual effect on the new chart?
Show Flame Indicator (An UI effect)?	Do not show Show Show only when exist OpenCL	The criterion for displaying flame visual effect on the main chart?
Change Main Chart for small changes? (Use many memory)	Yes No	Does the main chart change for the smallest changes? (It occupies computer memory a lot.)
First delete last Indicators then draw new?	Yes No	Before drawing a new indicator, are the last plotted indicators erased?
Columns for showing rates in main Charts?	# >= 0	How many columns are ranked on the main chart?
Columns for showing other rates in main Charts?	# >= 0	How many columns do other rankings appear on the main chart?
Columns for showing rates in result Charts?	# >= 0	How many columns are ranked on the result chart?






Option	Valid Value	Explain
Points offset from stops in new charts?	# >= 0	Spacebar to point between stop points in new chart?
Set Scale Fix on new chart?	Yes No	Is scalability possible for the new chart?
Show mini charts on new charts?	No Some timeframes All timeframes	How to show minicharts on a new chart?
Auto screenshot on new chart?	No Screenshot Only And Symbol Ratings And Weighing Ratings And Summary Statistic (OIPC) And Total Statistic (OIP) And Robot General Status And Robot Settings And any Symbol Statistic (OIP)	What procedures should be planned to take a photo of the chart?
Screenshot Resolution in Pixels?	Current chart resolution 640 x 360 854 x 480 1280 x 720 1920 x 1080 2560 x 1440 3840 x 2160	What is the visual resolution of the photos taken from the chart?
Auto screenshot on new chart with SL/TP?	Yes No	Are there any profits and losses in a photo taken from the new chart?
Auto save Template after auto screenshot?	Yes No	Is there a Template file saved after automatically preparing Screenshot? (The storage path is "data_folder\Profiles\Templates".)
Digits show in Rating table Percents?	# >= 0	How many digits will be displayed in the ranking table?
Draw Moving Average Indicator on new chart?	Yes No	Will show moving average on new chart?
Graphic object ratio?	# >= 0.0	The ratio of graphic objects?
Process bar in label ratio?	0 ~ 100	Large percentage of label processing?
Show Index minicharts on?	Yes No	Will the mini chart display the index?
Show Persian calendar if possible?	Yes No	If possible, will the Jalali calendar show up?

Option	Valid Value	Explain
Total Index minicharts Timeframe?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Time frames for total index mini chart?
Show Day rating sorted when call?	Yes No	Will the daily fluctuation be displayed as sorted rankings?
Show Week rating sorted when call?	Yes No	Will the weekly swing be displayed as sorted rankings?
Show Month rating sorted when call?	Yes No	Is monthly fluctuation displayed as sorted ranking?
Show Month Tick Volume rating sorted when call?	Yes No	Will the last month's trading volume be displayed as sorted rankings?
Show High Price rating sorted when call?	Yes No	Will the price increase be displayed in sorted rankings?
Show current Price rating sorted when call?	Yes No	Will the current price of the Symbol be displayed as sorted rankings?
Show Reverse Index rating sorted when call?	Yes No	Is the Symbol inverse evaluation criterion displayed as a sorted ranking?
Show Increased Months rating sorted when call?	Yes No	Is the number of last month's where the price has grown to be displayed in sorted rankings?
Replace Backslash in Symbol Path with?	No change Mode 1 (↓) Mode 2 (▼) Mode 3 (→) Mode 4 (►) Mode 5 (↓►)	What will replace the character "\" in the Symbol path?
Show Force controllers calculation?	Yes No	Will show controller statistics?
Keeping objects in background?	Yes No	Will show objects in the background and make the chart more specific?



Option	Valid Value	Explain
Access to the context menu using the right click?	Yes No	Does the menu appear with Right-Click?
Access to the Crosshair tool using the middle click?	Yes No	Do tools use the middle mouse click?
Scrolling the chart using mouse buttons?	Yes No	Is it possible to navigate using mouse buttons charts?
Allow managing the chart using a keyboard?	Yes No	Is it possible to manage the chart by keyboard?
Allow the quick navigation bar using a keyboard?	Yes No	Is it possible to access the quick menu by keyboard?
Permission to drag trading levels with a mouse?	Yes No	Is it possible to change trading levels by dragging the corresponding lines by mouse?
Background color?		Background color?
Color of axes, scales and OHLC line?		Color of axes, scales and values of bars (candles)?
Color of axes, scales and OHLC line(Mini Chart)?		Color of axes, scales and values of bars (candles)-for mini chart?
Grid color?		Gridline color?
Color of volumes and position opening levels?		Price color and levels of open positions?
Color of volumes and position opening levels(Mini Chart)?		Price color and levels of open positions (for mini chart)?
Up bar, shadows, body borders of bull candlestick?		Color above the bar, shadows and fringe of the body of the bull candles?
Up bar, shadows, body borders of bull candlestick→Mini Chart?		Color above the bar, shadows and fringe of the body of the bull candles (for mini chart)?
Down bar, shadows, body borders of bear candlestick?		The color above the bar, the shadows and the fringe of the body of the bear candies?
Down bar, shadows, body borders of bear candlestick→Mini Chart?		The color above the bar, the shadows and the fringe of the body of the bear candies (for mini chart)?

Option	Valid Value	Explain
Line color and «Doji» Japanese candlesticks?		Color lines and "Doji" in Japanese candlestick mode?
Line color and «Doji» Japanese candlesticks(Mini Chart)?		Color lines and "Doji" in Japanese candlestick mode (for mini chart)?
Body color of a bull candlestick?		The body color of bull candles?
Body color of a bull candlestick(Mini Chart)?		The body color of bull candles (for mini chart)?
Body color of a bear candlestick?		The color of the body of bear candles?
Body color of a bear candlestick(Mini Chart)?		The color of the body of bear candles (for mini chart)?
Bid price level color?		Color Bid price level?
Ask price level color?		Color of Ask price level?
Line color of the last executed deal price?		Color level last price?
Color of stop order levels?		Color stop lines?
Draw time lines (SoD, SO, EO)?	Yes No	Draw vertical lines related to time settings such as starting the day, starting the allowable trading range for robots and ending the allowable range of trades for robots?
Displaying the time scale for the Mini Chart?	Yes No	Will the time scale axis be displayed in the mini chart?
Displaying the price scale for the Mini Chart?	Yes No	Will the price scale axis be displayed in the mini chart?
Draw channel for new ordering?	No draw Channel Draw Standard Deviation Draw Linear Regression Draw Standard Deviation and Linear Regression	Will the channel tool be drawn for new orders?
Ray of channel goes to the right?	Yes No	Does the right end of the channel extend?
Ray of channel goes to the left?	Yes No	Does the left end of the channel extend?

Option	Valid Value	Explain
Standard Deviation Channel style?	Solid line Broken line Dotted line Dash-dot line Dash - two points	The style of drawing Standard Deviation Channel lines?
Linear Regression Channel style?	Solid line Broken line Dotted line Dash-dot line Dash - two points	The style of drawing Linear Regression Channel lines?
Channel Line thickness(width)?	# >= 1	Channel lines width?
Top Range Channel color?		Color upper bound channel in range mode?
Top Range Channel fill?	Yes No	Is the upper bound of the range channel filled?
Middle Range Channel color?		Middle channel color in range mode?
Middle Range Channel fill?	Yes No	Did the middle of the range channel filled?
Bottom Range Channel color?		Color of the channel's lower bound in range mode?
Bottom Range Channel fill?	Yes No	Did the lower boundary of the range channel filled?
Standard Deviation Channel color?		Trending Channel color (Standard Deviation)?
Linear Regression Channel color?		Trending Channel color (Linear Regression)?
Trend Channel fill?	Yes No	Is the channel trending fill?
Standard Deviation Channel Deviation?	# >= 0.00	The amount of deviation in the StdDev channel?
Maximum image movement time along a side (milliseconds)?	# >= 0	Maximum image displacement time on one side of the chart (milliseconds)?
Maximum image movement time around (milliseconds)?	# >= 0	Maximum image displacement time in total around the chart (milliseconds)?
Small Chart 1 Symbol?	[Symbol name]	Default Symbol for small chart indicator1?

Option	Valid Value	Explain
Small Chart 1 Time frame?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	The default Time Frame for the small index chart1?
Small Chart 2 Symbol	[Symbol name]	Default Symbol for small chart indicator2?
Small Chart 2 Time frame?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	The default Time Frame for the small index chart2?
Small Chart 3 Symbol	[Symbol name]	Default Symbol for small chart indicator3?
Small Chart 3 Time frame?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	The default Time Frame for the small index chart3?
Small Chart 4 Symbol	[Symbol name]	Default Symbol for small chart indicator4?

Option	Valid Value	Explain
Small Chart 4 Time frame?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	The default Time Frame for the small index chart4?
Replace more active Symbols in Small Charts?	Yes No	Will the most active Symbols automatically replace the Symbols displayed in small index charts, respectively?
Show screen/charts effects?	No Effects Show Effects on PC only Show Effects on PC and VPS	How to display visual effects on charts?
Time frame of Mini Chart 1?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Time frame for small chart 1?
Time frame of Mini Chart 2?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Time frame for small chart 2?

Option	Valid Value	Explain
Time frame of Mini Chart 3?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Time frame for small chart 3?
Time frame of Mini Chart 4?	Current timeframe 1 minute* 2 minutes 3 minutes 4 minutes 5 minutes* 6 minutes 10 minutes 12 minutes 15 minutes* 20 minutes 30 minutes* 1 hour* 2 hours 3 hours 4 hours* 6 hours 8 hours 12 hours 1 day* 1 week* 1 month*	Time frame for small chart 4?

## Set partial parameters of indicators, oscillators, patterns, controllers:

As can be seen in the first section, it is possible to turn indicators, oscillators, patterns and controllers on or off. In the last sections, for each indicator, oscillator, pattern or controller that exists in the initial section, a group of parameters are provided to define specialized details (for advanced users).

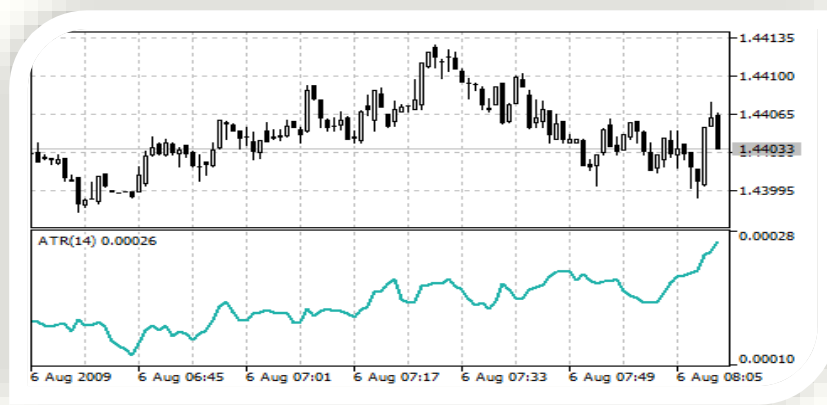
### Attention:

In most groups, there is the "Auto set parameters" parameter. **If you put this option in the "Automatic" situation, other group parameters, ignored and robots, repeatedly modify the specialized parameters, but if it is in "Manually" status, the settings of other parameters will be used in indicators, oscillators, patterns and controllers as seen.**



### ATR Oscillator Settings:

In the "ATR Settings" section, you can change the settings for this oscillator.



* ATR Settings *	
Period for average line calculation(IF SL&TP Mode not Auto)?	14
Auto set parameters of Parabolic ATR?	Automatic
Percent minus from acceptable average for ordering(1~100)?	1
Minimum needed sample to check?	4
Allow to draw indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Parabolic ATR?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?



Option	Valid Value	Explain
Percent minus from acceptable average for ordering?	1 ~ 100	When used as a controller, how many percentages below the average line is acceptable?
Minimum needed sample to check?	# >= 0	Minimum sample required for the test?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### SAR Indicator Settings:

In the "Parabolic SAR Settings" section, you can change the settings for this indicator.



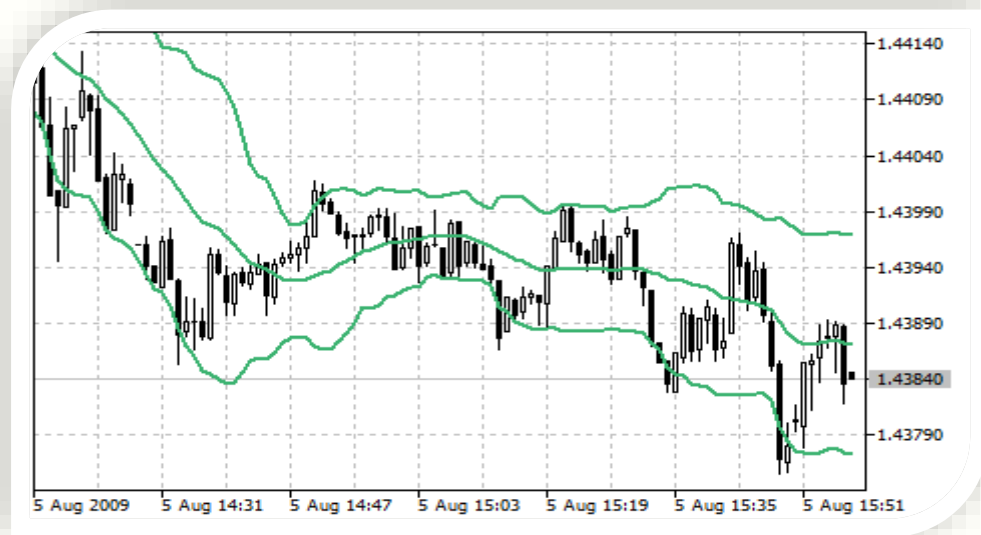
* Parabolic SAR Settings *	
Auto set parameters of Parabolic SAR?	Automatic
Step for calculating Auto set Indicators parameters	0.02
Max. Step for calculating Auto set Indicators parameters	0.2
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of Parabolic SAR?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Step for calculating Auto set Indicators parameters	# >= 0.00	Parameter size price step increase?
Max. Step for calculating Auto set Indicators parameters	# >= 0.0	Maximum step size parameter?
Weight Value percent?	1 ~ 100	Weight value?

Option	Valid Value	Explain
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Bollinger Band Indicator Settings:

In the "Bollinger Bands Settings" section, you can change the settings for this indicator.



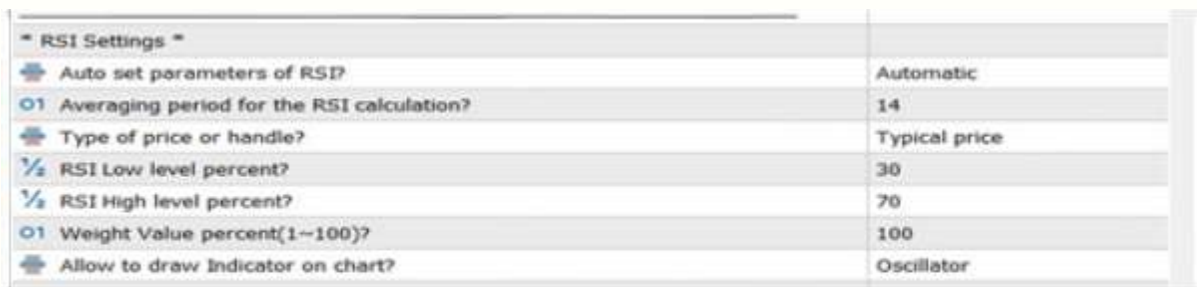
* Bollinger Bands Settings *	
Auto set parameters of Bollinger Bands?	Automatic
Period for average line calculation?	21
Horizontal shift of the indicator?	0
Number of standard deviations?	2
Type of price or handle?	Typical price
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of Bollinger Bands?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for average line calculation?	# >= 0	Period for calculating the average line?
Horizontal shift of the indicator?	# >= 0	Horizontal displacement value of indicator?
Number of standard deviations?	# >= 0.0	Standard deviation number?

Option	Valid Value	Explain
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### RSI Indicator Settings:

In the "RSI Settings" section, you can change the settings for this indicator.

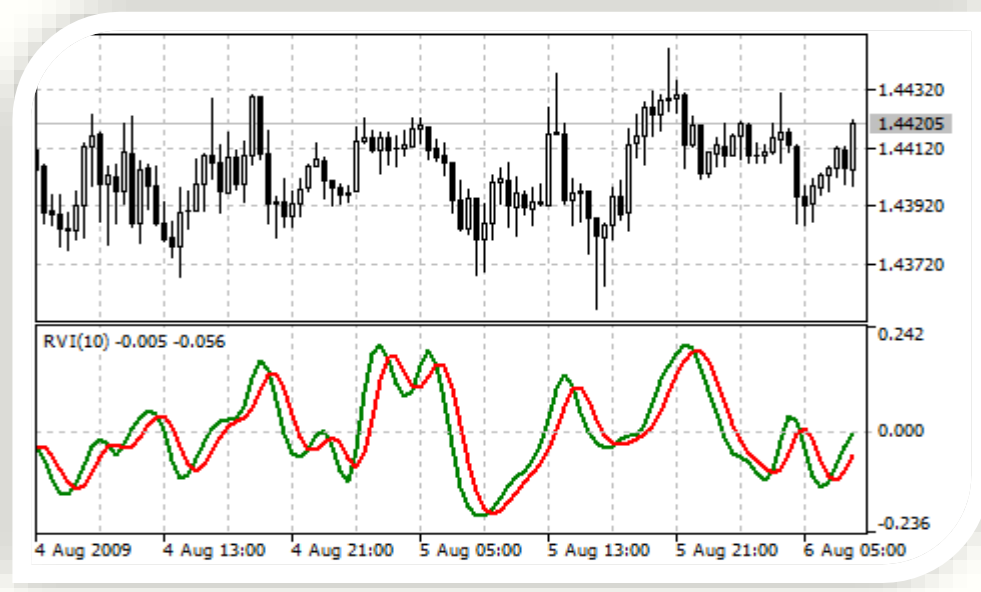


Option	Valid Value	Explain
Auto set parameters of RSI?	Automatic	Automatically determine calculations or use fixed manual parameters?
Averaging period for the RSI calculation?	14	Period for calculating the average line?
Type of price or handle?	Typical price	How to determine the price base?
RSI Low level percent?	30	Low RSI percentage level?
RSI High level percent?	70	High RSI percentage level?
Weight Value percent(1~100)?	100	Weight value?
Allow to draw Indicator on chart?	Oscillator	How to draw on the chart?

Option	Valid Value	Explain
Auto set parameters of RSI?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the RSI calculation?	# >= 0	Period for calculating the average line?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
RSI Low level percent?	# >= 0	Low RSI percentage level?
RSI High level percent?	# >= 0	High RSI percentage level?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### RVI Oscillator Settings:

In the "RVI Settings" section, you can change the settings for this oscillator.



* RVI Settings *	
<input checked="" type="checkbox"/> Auto set parameters of RVI?	Automatic
<input checked="" type="checkbox"/> Averaging period for the RVI calculation?	10
<input checked="" type="checkbox"/> Weight Value percent(1~100)?	100
<input checked="" type="checkbox"/> Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of RVI?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the RVI calculation?	# >= 0	Period for calculating the average line?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### MAC Indicator Settings:

In the "Moving Average Cross" section, you can change the settings for this indicator.



* MAC(Moving Average Cross) Settings *	
Auto set parameters of MAC?	Automatic
Averaging period for the FastMA calculation?	12
Smoothing method for FastMA?	Linear weighted
Horizontal shift for FastMA?	0
Type of price or handle for FastMA?	Typical price
Averaging period for the SlowMA calculation?	20
Smoothing method for SlowMA?	Linear weighted
Horizontal shift for SlowMA?	0
Type of price or handle for SlowMA?	Typical price
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of MAC?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the FastMA calculation?	# >= 0	Period for calculating FastMA average line?
Smoothing method for FastMA?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	FastMA data series smoothing method?

Option	Valid Value	Explain
Horizontal shift for FastMA?	# >= 0	Horizontal displacement value of FastMA indicator?
Type of price or handle for FastMA?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine FastMA price base?
Averaging period for the SlowMA calculation?	# >= 0	Period for calculating the SlowMA average line?
Smoothing method for SlowMA?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	SlowMA data series smoothing method?
Horizontal shift for SlowMA?	# >= 0	Horizontal displacement value of SlowMA indicator?
Type of price or handle for SlowMA?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the SlowMA price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### AMA Indicator Settings:

In the "Adaptive Moving Average Settings" section, you can change the settings for this indicator.



* AMA(Adaptive Moving Average) Settings *	
Auto set parameters of AMA?	Automatic
Averaging period for the AMA calculation?	9
Averaging period for the FastAMA calculation?	2
Averaging period for the SlowAMA calculation?	30
Horizontal shift for AMA?	0
Type of price or handle for AMA?	Typical price
Weight Value percent(1~100)?	100
Allow to draw indicator on chart?	Indicator

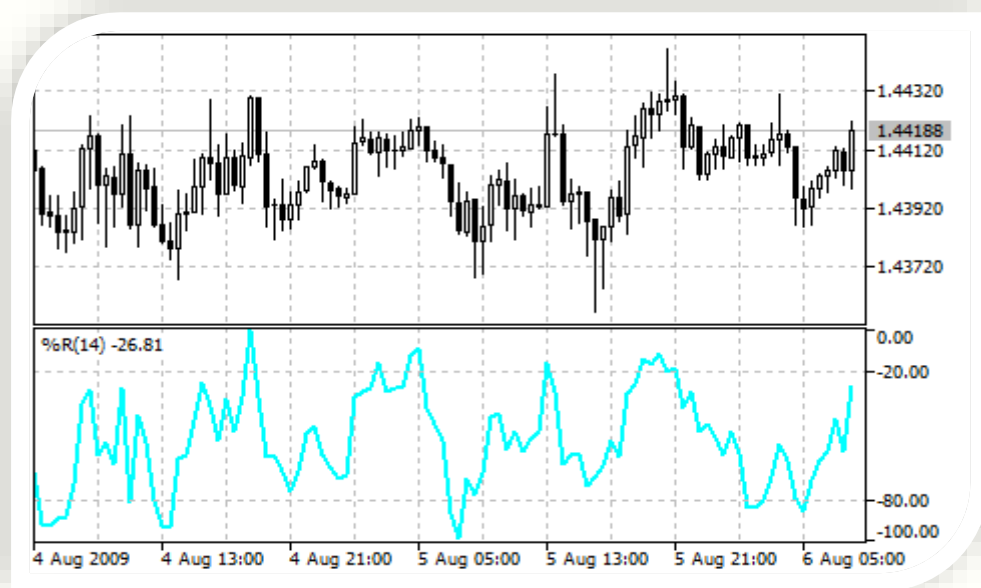
Option	Valid Value	Explain
Auto set parameters of AMA?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the AMA calculation?	# >= 0	Period for calculating the average AMA line?
Averaging period for the FastAMA calculation?	# >= 0	Period for calculating FastAMA average line?
Averaging period for the SlowAMA calculation?	# >= 0	Period for calculating the average SlowAMA line?
Horizontal shift for AMA?	# >= 0	Horizontal displacement value of indicator?



Option	Valid Value	Explain
Type of price or handle for AMA?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### WPR Oscillator Settings:

In the "WPR Settings" section, you can change the settings for this oscillator.



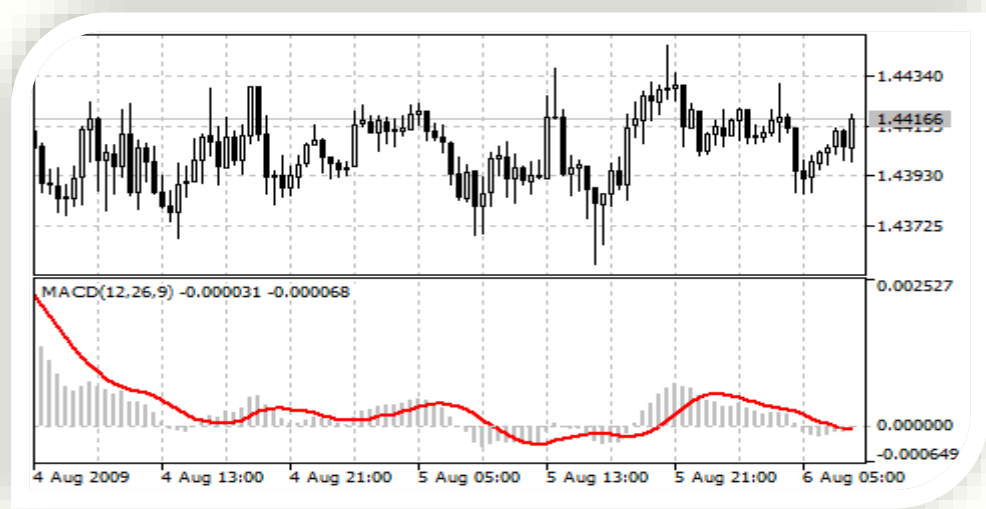
* WPR Settings *	
Auto set parameters of WPR?	Automatic
Period for average line calculation?	14
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of WPR?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for average line calculation?	# >= 0	Period for calculating the average line?
Weight Value percent?	1 ~ 100	Weight value?

Option	Valid Value	Explain
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### MACD Oscillator Settings:

In the "MACD Settings" section, you can change the settings for this oscillator.



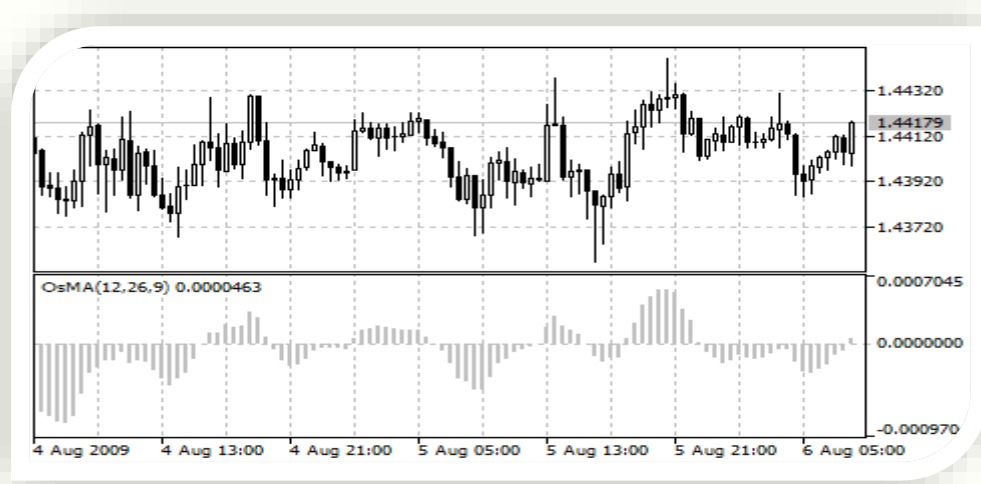
* MACD Settings *	
Auto set parameters of MACD?	Automatic
Period for Fast Moving Average calculation?	12
Period for Slow Moving Average calculation?	26
Period for Signal line calculation?	9
Type of price or handle?	Typical price
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of MACD?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for Fast Moving Average calculation?	# >= 0	Period for calculating fast average line?
Period for Slow Moving Average calculation?	# >= 0	Period for calculating slow average line?
Period for Signal line calculation?	# >= 0	Period for calculating the average signal line?

Option	Valid Value	Explain
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### OsMA Oscillator Settings:

In the "OsMA Settings" section, you can change the settings for this oscillator.



* OsMA Settings *	
Auto set parameters of OsMA?	Automatic
Period for Fast Moving Average calculation?	12
Period for Slow Moving Average calculation?	26
Period for Signal line calculation?	9
Type of price or handle?	Typical price
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of OsMA?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for Fast Moving Average calculation?	# >= 0	Period for calculating fast average line?
Period for Slow Moving Average calculation?	# >= 0	Period for calculating slow average line?

*A good deal means: good profit for yourself,  
broker and all people of the world*

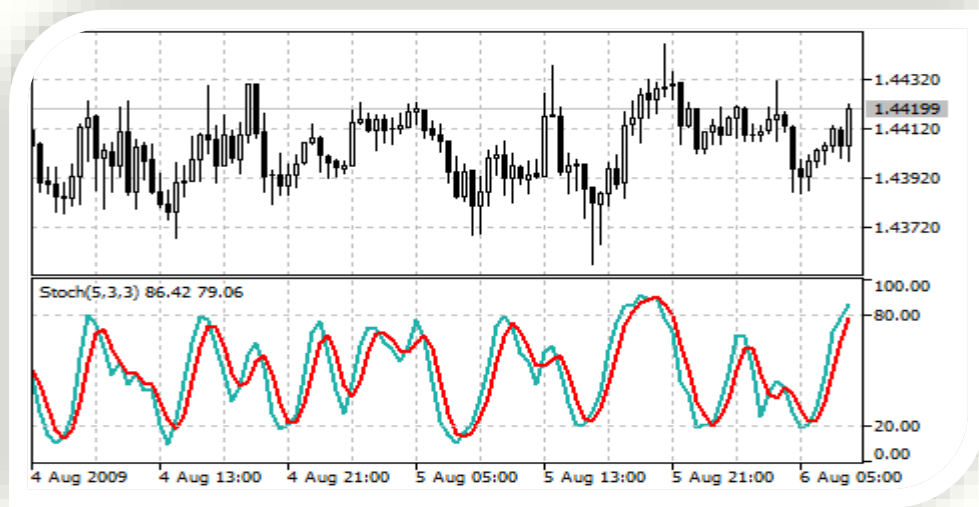
Secure trading in all types of stock markets and Forex  
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*5th Edition*

Option	Valid Value	Explain
Period for Signal line calculation?	# >= 0	Period for calculating the average signal line?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Stochastic Oscillator Settings:

In the "Stochastic Settings" section, you can change the settings for this oscillator.



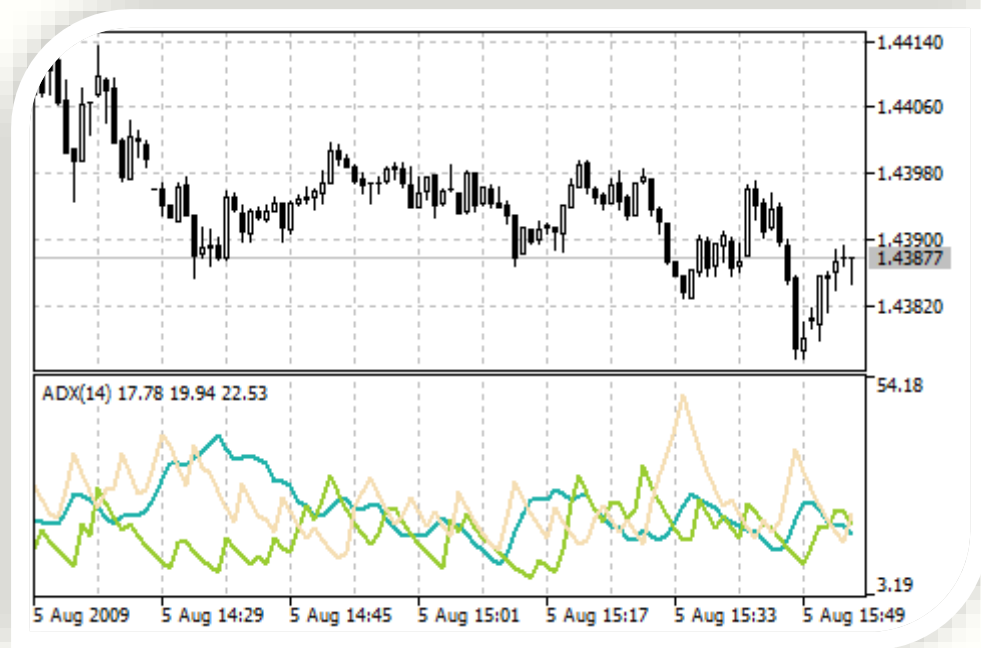
* Stochastic Settings *	
Auto set parameters of Stochastic?	Automatic
Averaging period for the %K line calculation?	5
Averaging period for the %D line calculation?	3
Slowing value	3
Smoothing method?	Linear weighted
Stochastic calculation method?	Low/High
Below Level:	20
Above Level:	80
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Stochastic?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the %K line calculation?	# >= 0	Period for calculating line %K?
Averaging period for the %D line calculation?	# >= 0	Period for calculating line %D?
Slowing value	# >= 0	Slow down?
Smoothing method?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	What is smoothing method?
Stochastic calculation method?	Calculation is based on Low/High prices Calculation is based on Close/Close prices	Stochastic calculation method?
Below Level:	0 ~ 100	High level:

Option	Valid Value	Explain
Above Level:	0 ~ 100	Low level:
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### ADX Oscillator Settings:

In the "ADX Settings" section, you can change the settings for this oscillator.



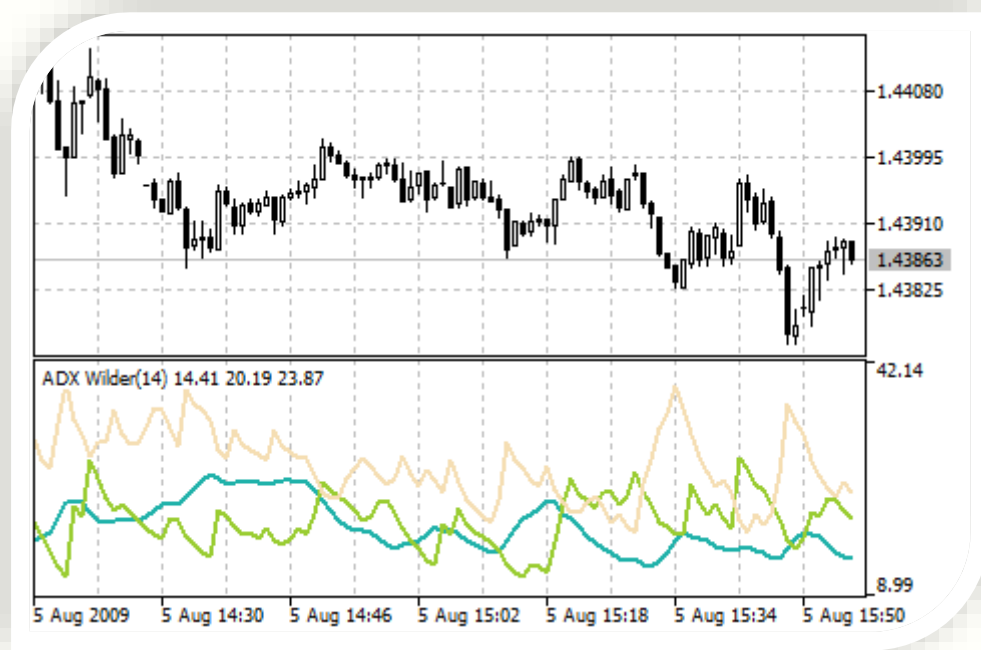
* ADX Settings *	
Auto set parameters of ADX?	Automatic
Period for average line calculation?	14
Period to calculate the index?	25
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of ADX?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for average line calculation?	# >= 0	Period for calculating the average line?
Period to calculate the index?	# >= 0	Period for calculating index?

Option	Valid Value	Explain
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### ADXWilder Oscillator Settings:

In the "ADXWilder Settings" section, you can change the settings for this oscillator.



* ADXWilder Settings *	
Auto set parameters of ADXWilder?	Automatic
Period for average line calculation?	14
Period to calculate the index?	25
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

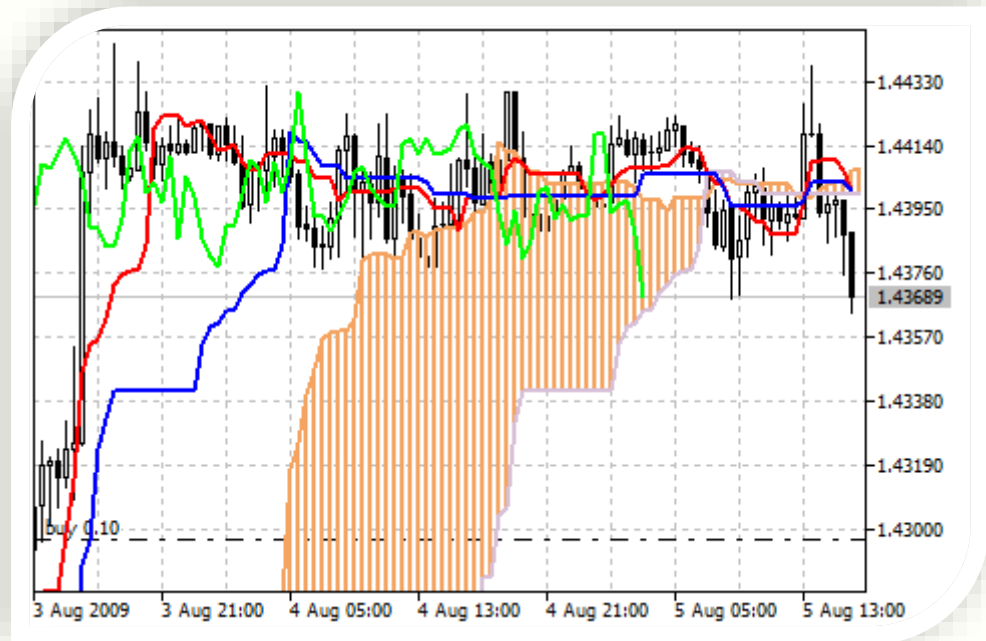
Option	Valid Value	Explain
Auto set parameters of ADXWilder?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for average line calculation?	# >= 0	Period for calculating the average line?
Period to calculate the index?	# >= 0	Period for calculating index?
Weight Value percent?	1 ~ 100	Weight value?



Option	Valid Value	Explain
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Ichimoku Indicator Settings:

In the "Ichimoku Settings" section, you can change the settings for this indicator.



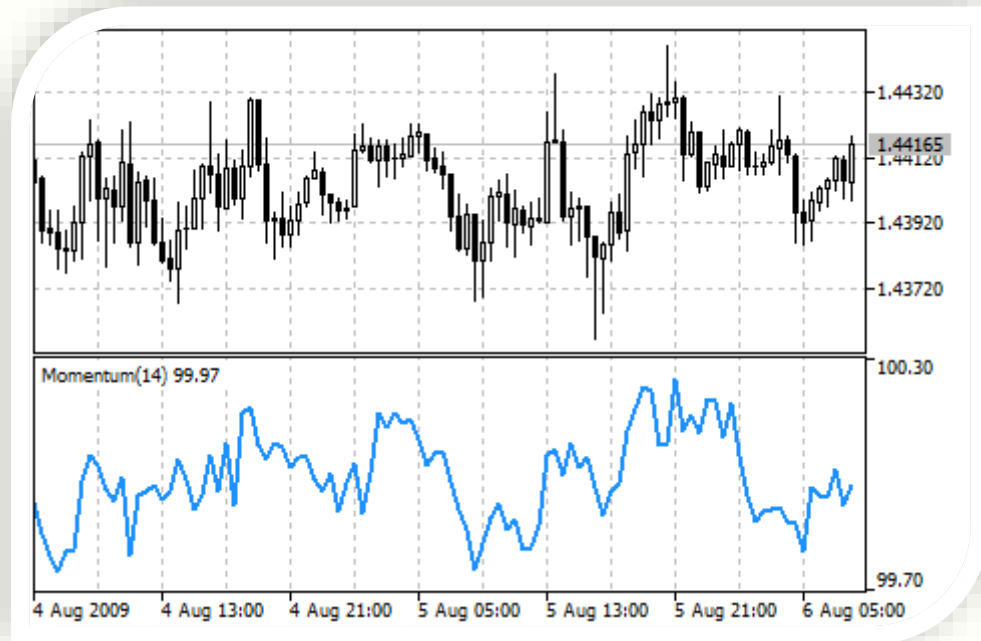
* Ichimoku Settings *	
Auto set parameters of Ichimoku?	Automatic
Period for Tenkan-sen?	9
Period for Kijun-sen?	26
Period for Senkou Span B?	52
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of Ichimoku?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for Tenkan-sen?	# >= 0	Course for calculating Tenkan-sen?
Period for Kijun-sen?	# >= 0	Course for calculating Kijun-sen?
Period for Senkou Span B?	# >= 0	Course for calculating Senkou Span B?
Weight Value percent?	1 ~ 100	Weight value?

Option	Valid Value	Explain
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Momentum Oscillator Settings:

In the "Momentum Settings" section, you can change the settings for this oscillator.



* Momentum Settings *	
Auto set parameters of Momentum?	Automatic
Period for average line calculation?	14
Type of price or handle?	Typical price
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Momentum?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for average line calculation?	# >= 0	Period for calculating the average line?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?

Option	Valid Value	Explain
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Alligator Indicator Settings:

In the "Alligator Settings" section, you can change the settings for this indicator.



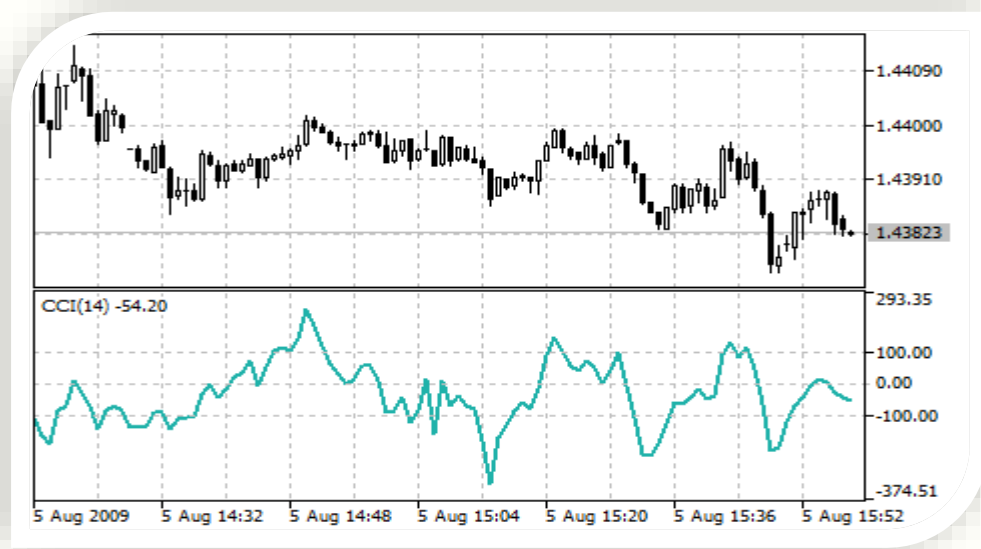
* Alligator Settings *	
<input checked="" type="checkbox"/> Auto set parameters of Alligator?	Automatic
<input checked="" type="checkbox"/> Period for average Jaw line calculation?	13
<input checked="" type="checkbox"/> Shift for average Jaw line calculation?	8
<input checked="" type="checkbox"/> Period for average Teeth line calculation?	8
<input checked="" type="checkbox"/> Shift for average Teeth line calculation?	5
<input checked="" type="checkbox"/> Period for average Lips line calculation?	5
<input checked="" type="checkbox"/> Shift for average Lips line calculation?	3
<input checked="" type="checkbox"/> Smoothing method?	Linear weighted
<input checked="" type="checkbox"/> Type of price or handle?	Typical price
<input checked="" type="checkbox"/> Weight Value percent(1~100)?	100
<input checked="" type="checkbox"/> Allow to draw indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of Alligator?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for average Jaw line calculation?	# >= 0	Period for calculating jaw average line?

Option	Valid Value	Explain
Shift for average Teeth line calculation?	# >= 0	The displacement value of jaw line calculation?
Period for average Teeth line calculation?	# >= 0	Period for calculating average teeth line?
Shift for average Jaw line calculation?	# >= 0	The displacement value of jaw line calculation?
Period for average Lips line calculation?	# >= 0	Course to calculate the average line of Lips?
Shift for average Lips line calculation?	# >= 0	The displacement value of jaw line calculation?
Smoothing method?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	How to straighten up data series?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### CCI Oscillator Settings:

In the "CCI Settings" section, you can change the settings for this oscillator.

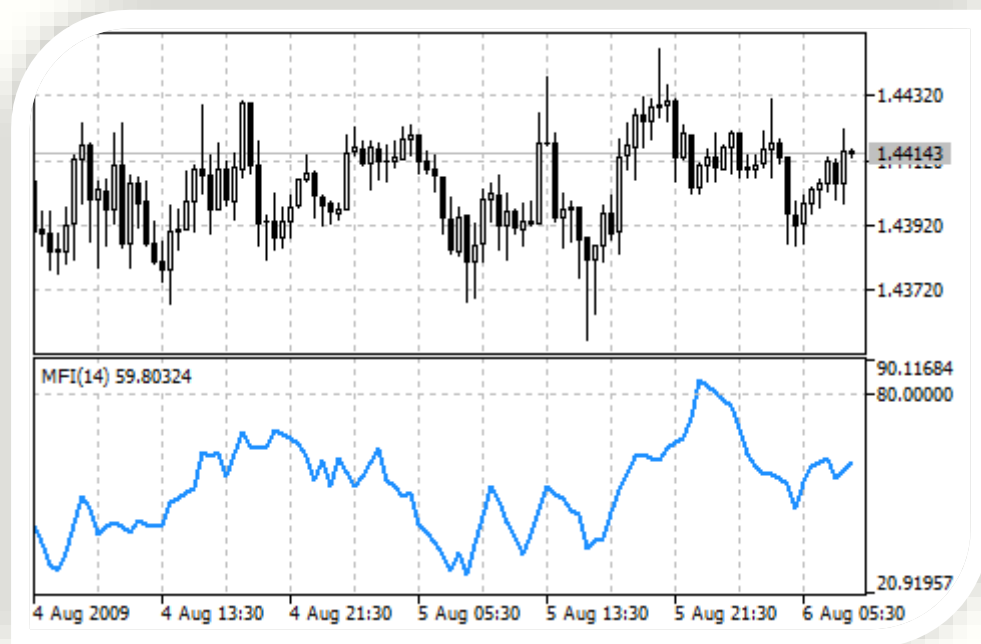


* CCI Settings *	
Auto set parameters of CCI?	Automatic
Period for average line calculation?	14
Type of price or handle?	Typical price
CCI Low level percent?	-100
CCI High level percent?	100
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of CCI?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for average line calculation?	# >= 0	Period for calculating the average line?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Below Level:	# >= -100	High level:
Above Level:	# >= -100	Low level:
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### MFI Oscillator Settings:

In the "MFI Settings" section, you can change the settings for this oscillator.

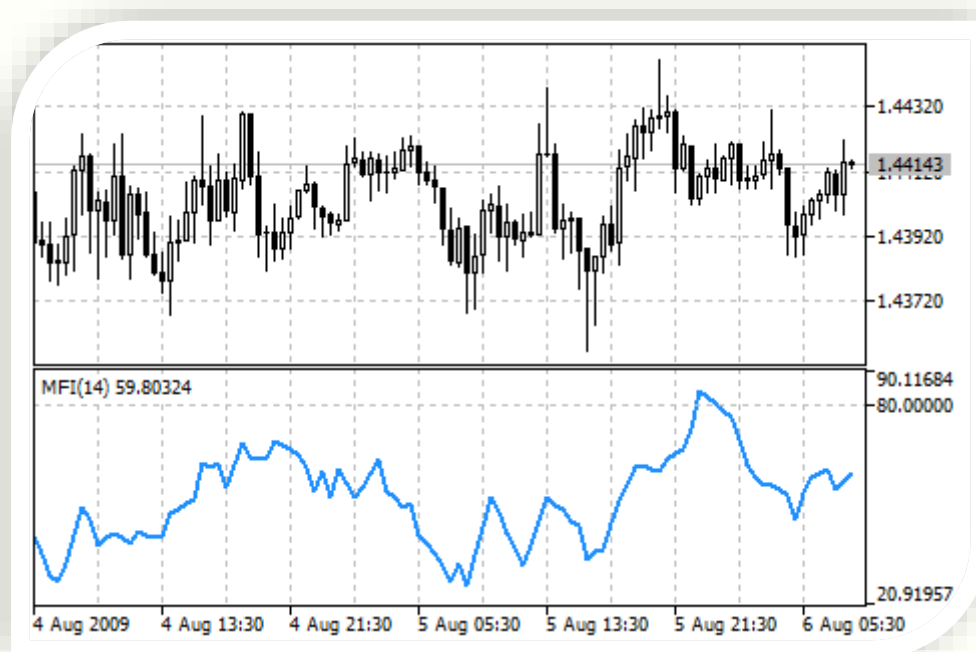


* MFI Settings *	
Auto set parameters of MFI?	Automatic
Averaging period for the MFI calculation?	14
Type of volume or handle?	Tick volume
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of MFI?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the MFI calculation?	# >= 0	Course for calculating MFI?
Type of volume or handle?	Tick volume Trade volume	Volume determination method?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

## Oscillator MFI\_RV:

In the "MFI\_RV Settings" section, you can change the settings for this oscillator.



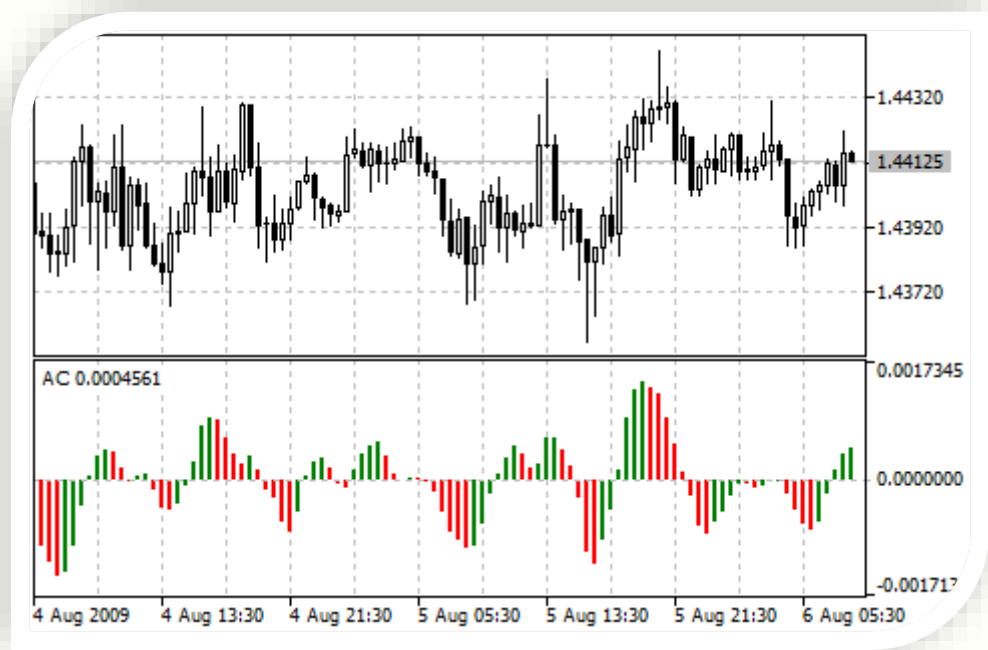
* MFI_RV Settings *	
Auto set parameters of MFI_RV?	Automatic
Averaging period for the MFI_RV calculation?	14
Type of volume or handle?	Real volume
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of MFI_RV?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the MFI_RV calculation?	# >= 0	Course for calculating MFI_RV?
Type of volume or handle?	Tick volume Trade volume	Volume determination method?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?



### AC Oscillator Settings:

In the "AC Settings" section, you can change the settings for this oscillator.

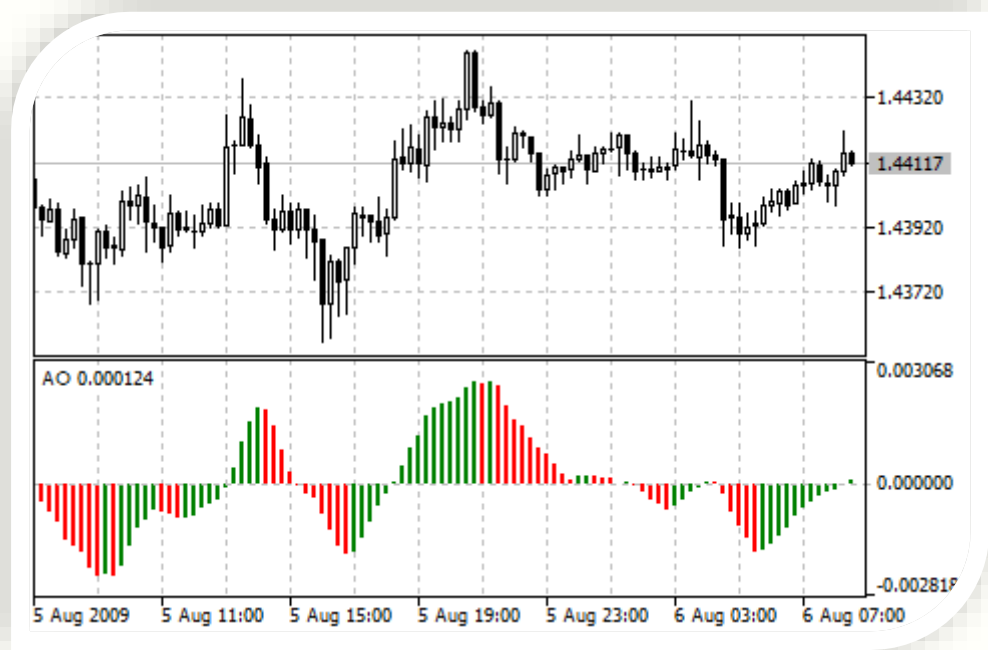


* AC Settings *	
Auto set parameters of AC?	Automatic
Weight Value percent(1=100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of AC?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### AO Oscillator Settings:

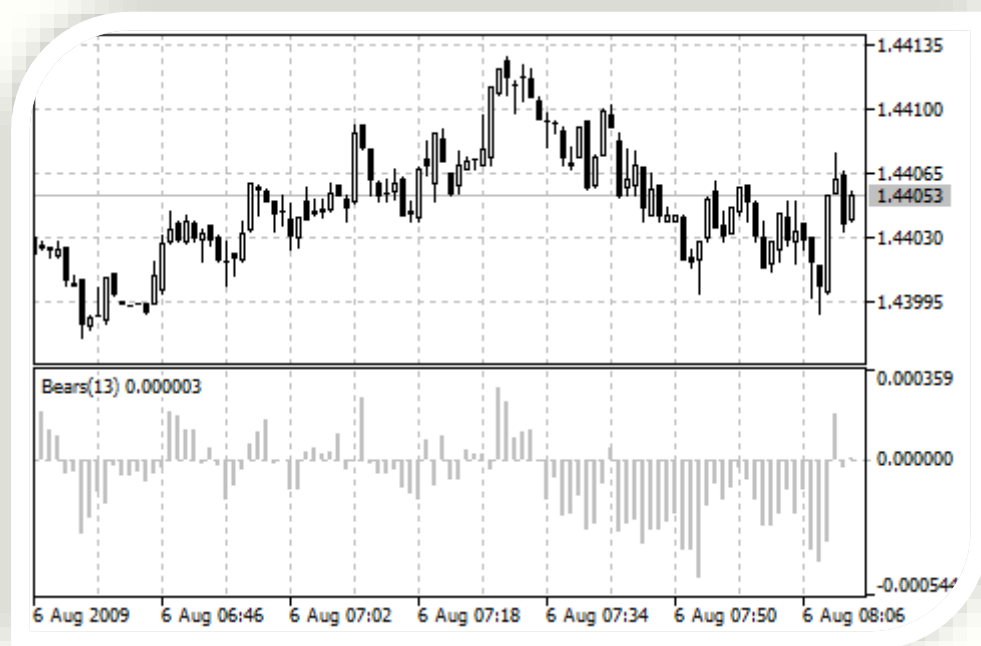
In the "AO Settings" section, you can change the settings for this oscillator.



Option	Valid Value	Explain
Auto set parameters of AO?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Bears Power Oscillator Settings:

In the "Bears Power Settings" section, you can change the settings for this oscillator.

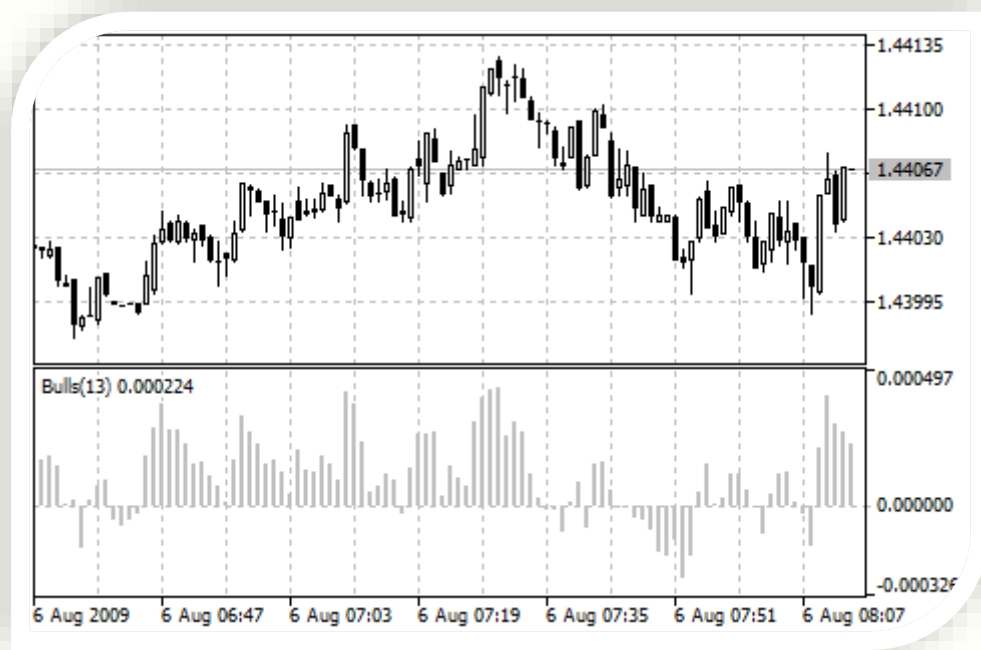


* Bears Power Settings *	
<input checked="" type="checkbox"/> Auto set parameters of Bears Power?	Automatic
<input checked="" type="checkbox"/> Averaging period for the BearsPower calculation?	13
<input checked="" type="checkbox"/> Weight Value percent(1=100)?	100
<input checked="" type="checkbox"/> Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Bears Power?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the BearsPower calculation?	# >= 0	Course for calculating BearsPower? ↗
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Bulls Power Oscillator Settings:

In the "Bulls Power Settings" section, you can change the settings for this oscillator.

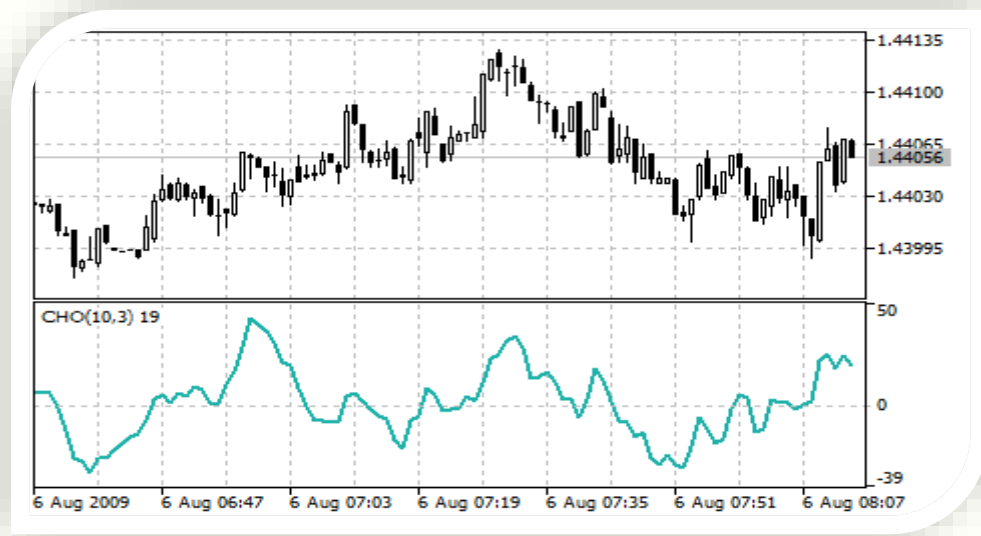


* Bulls Power Settings *	
<input checked="" type="checkbox"/> Auto set parameters of Bulls Power?	Automatic
<input checked="" type="checkbox"/> Averaging period for the BullsPower calculation?	13
<input checked="" type="checkbox"/> Weight Value percent(1~100)?	100
<input checked="" type="checkbox"/> Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Bulls Power?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the BullsPower calculation?	# >= 0	Course for calculating BullsPower?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

## Chaikin Oscillator Settings:

In the "Chaikin Settings" section, you can change the settings for this oscillator.

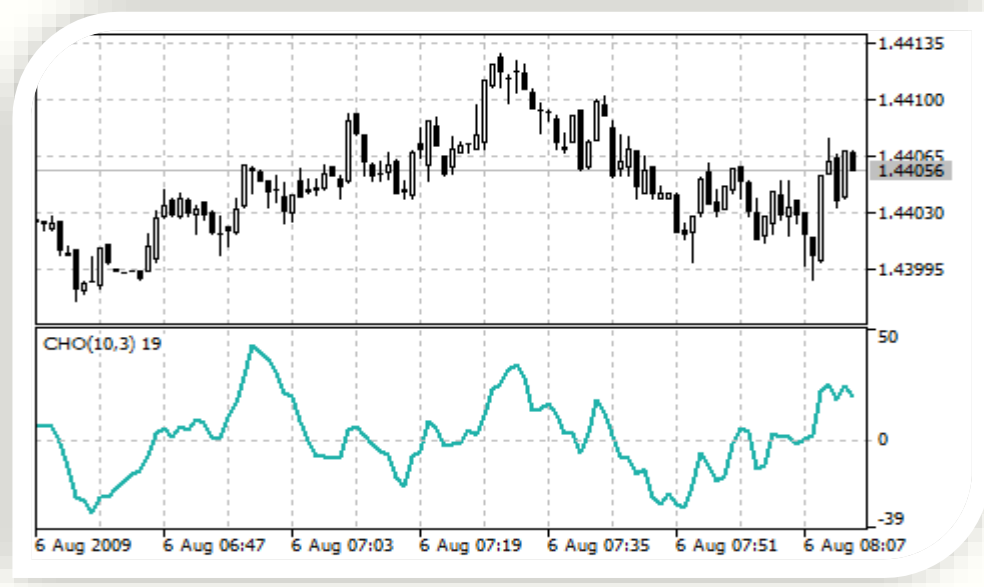


* Chaikin Settings *	
Auto set parameters of Chaikin?	Automatic
Averaging fast period for the Chaikin calculation?	3
Averaging slow period for the Chaikin calculation?	10
Smoothing method?	Linear weighted
Type of volume or handle?	Tick volume
Weight Value percent(1=100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Chaikin?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging fast period for the Chaikin calculation?	# >= 0	Quick course for calculating Chaikin?
Averaging slow period for the Chaikin calculation?	# >= 0	Slow period to calculate Chaikin?
Smoothing method?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	How to straighten up data series?
Type of volume or handle?	Tick volume Trade volume	Volume determination method?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

## Oscillator Chaikin\_RV:

In the "Chaikin\_RV Settings" section, you can change the settings for this oscillator.



* Chaikin_RV Settings *	
Auto set parameters of Chaikin_RV?	Automatic
Averaging fast period for the Chaikin_RV calculation?	3
Averaging slow period for the Chaikin_RV calculation?	10
Smoothing method?	Linear weighted
Type of volume or handle?	Real volume
Weight Value percent(1=100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Chaikin_RV?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging fast period for the Chaikin_RV calculation?	# >= 0	Quick period for calculating Chaikin_RV?
Averaging slow period for the Chaikin_RV calculation?	# >= 0	Slow period to calculate Chaikin_RV?
Smoothing method?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	How to smoothing method?
Type of volume or handle?	Tick volume Trade volume	Volume determination method?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### DEMA Indicator Settings:

In the "DEMA Settings" section, you can change the settings for this indicator.



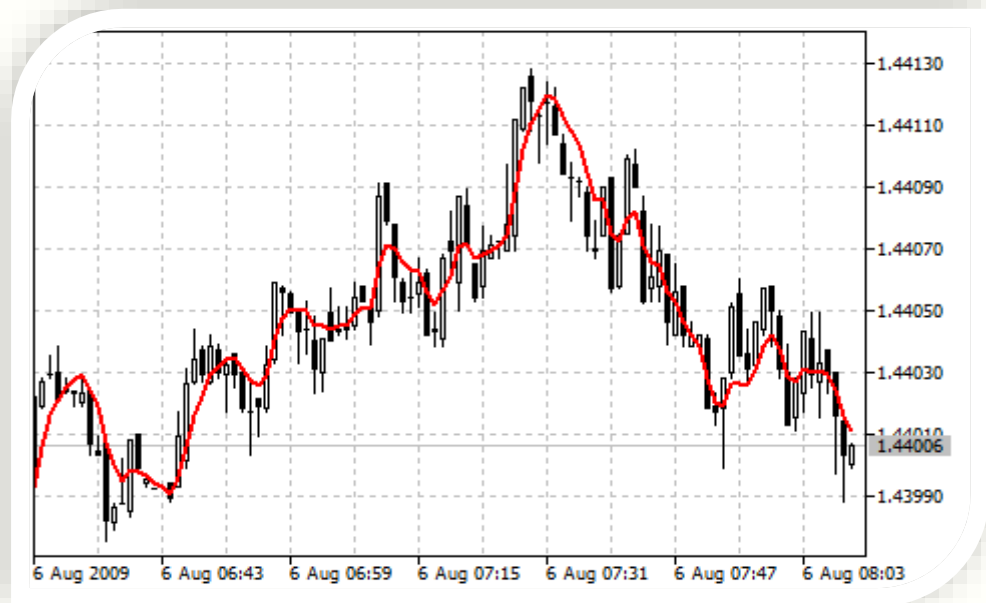
* DEMA Settings *	
Auto set parameters of DEMA?	Automatic
Averaging period for the DEMA calculation?	14
Averaging shift of period for the DEMA calculation?	0
Type of price or handle?	Typical price
Weight Value percent(1-100)?	100
Allow to draw Indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of DEMA?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the DEMA calculation?	# >= 0	Quick period for DEMA calculation?
Shift of period for the DEMA calculation?	# >= 0	Period displacement value to calculate DEMA?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?



## TEMA Indicator Settings:

In the "TEMA Settings" section, you can change the settings for this indicator.

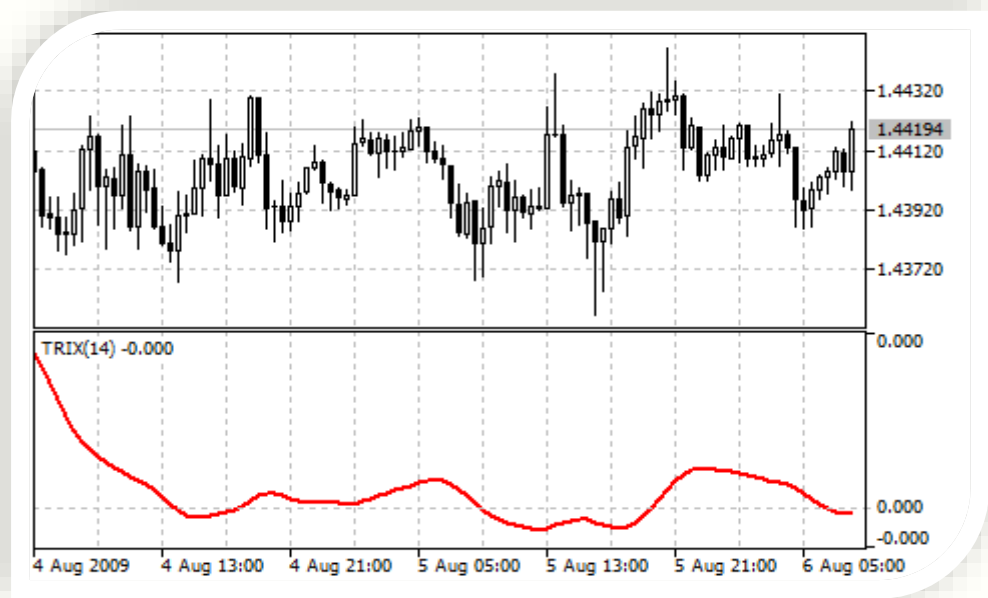


* TEMA Settings *	
Auto set parameters of TEMA?	Automatic
Averaging period for the TEMA calculation?	14
Shift of period for the TEMA calculation?	0
Type of price or handle?	Typical price
Weight Value percent(1~100)?	100
Allow to draw indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of TEMA?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the TEMA calculation?	# >= 0	Fast course for TEMA calculation? ☹
Shift of period for the TEMA calculation?	# >= 0	Period displacement value for TEMA calculation?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### TriX Oscillator Settings:

In the "TriX Settings" section, you can change the settings for this oscillator.

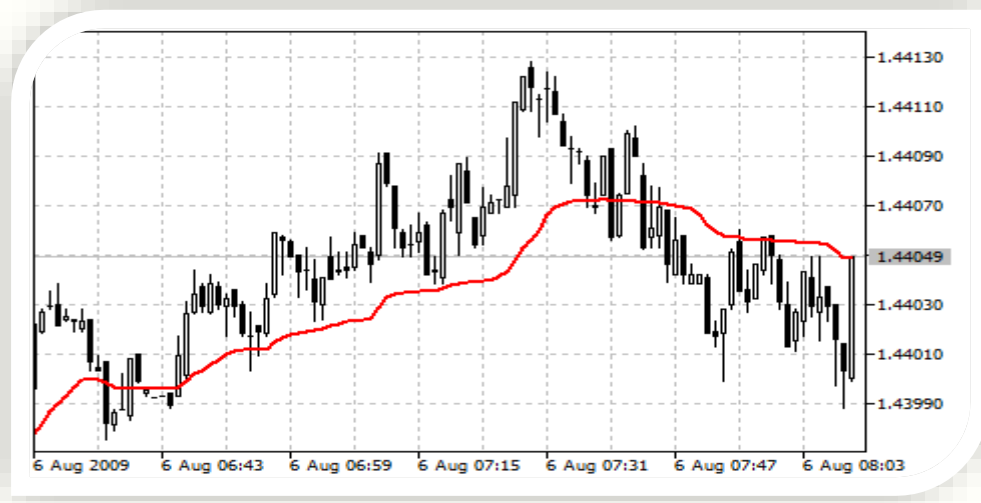


* TriX Settings *	
Auto set parameters of TriX?	Automatic
Averaging period for the TriX calculation?	14
Type of price or handle?	Typical price
Weight value percent[1~100]?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of TriX?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the TriX calculation?	# >= 0	Fast period for TriX calculation?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

## VIDyA Indicator Settings:

In the "VIDyA Settings" section, you can change the settings for this indicator.

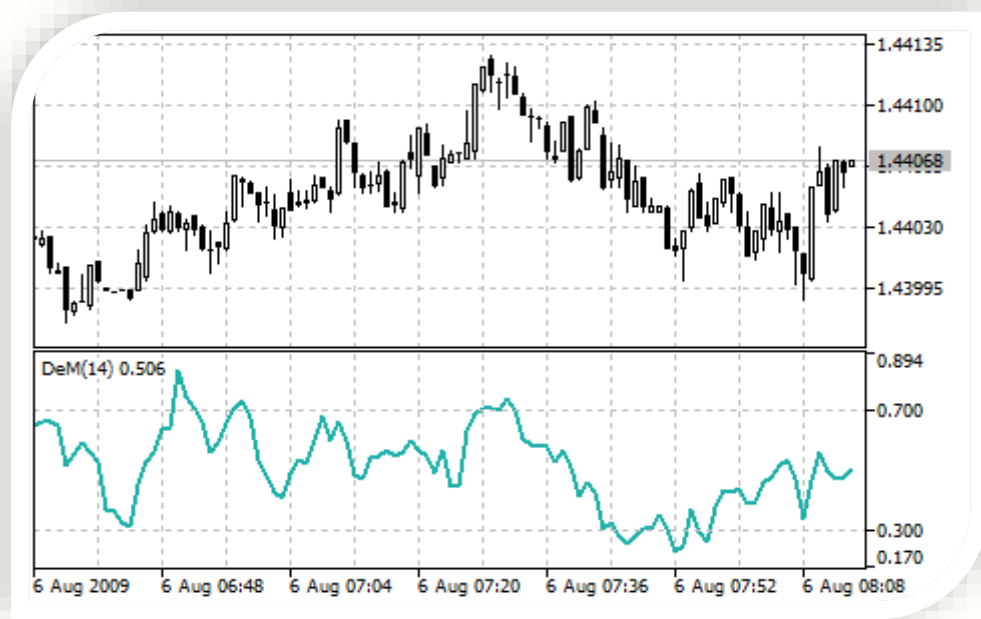


* VIDyA Settings *	
Auto set parameters of VIDyA?	Automatic
Averaging CMO period for the VIDyA calculation?	9
Averaging EMA period for the VIDyA calculation?	12
Shift of period for the VIDyA calculation?	0
Type of price or handle?	Typical price
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of VIDyA?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging CMO period for the VIDyA calculation?	# >= 0	CMO period for VIDyA calculation?
Averaging EMA period for the VIDyA calculation?	# >= 0	EMA course for calculating VIDyA?
Shift of period for the VIDyA calculation?	# >= 0	Period displacement value to calculate VIDyA?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

## DeMarker Oscillator Settings:

In the "DeMarker Settings" section, you can change the settings for this oscillator.

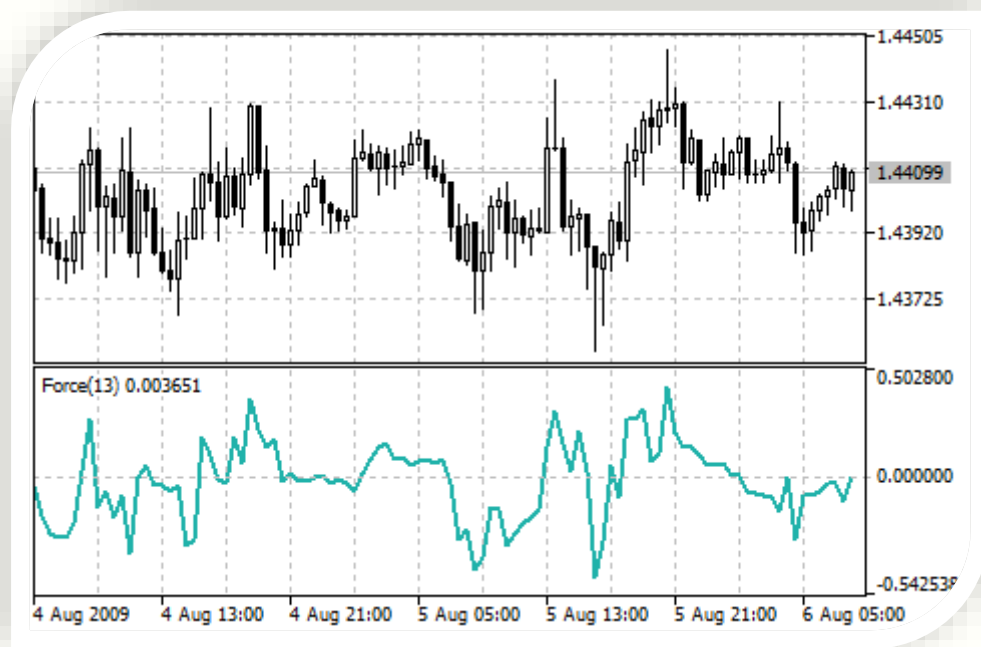


DeMarker Settings	
Auto set parameters of DeMarker?	Automatic
Averaging period for the DeMarker calculation?	14
Type of price or handle?	Typical price
Oscillator High Level?	0.7
Oscillator Low Level?	0.3
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of DeMarker?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the DeMarker calculation?	# >= 0	Average period for calculating DeMarker?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Oscillator High Level?	# >= 0.0	High level oscillator?
Oscillator Low Level?	# >= 0.0	Low level oscillator?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Force Index Oscillator Settings:

In the "Force Index Settings" section, you can change the settings for this oscillator.

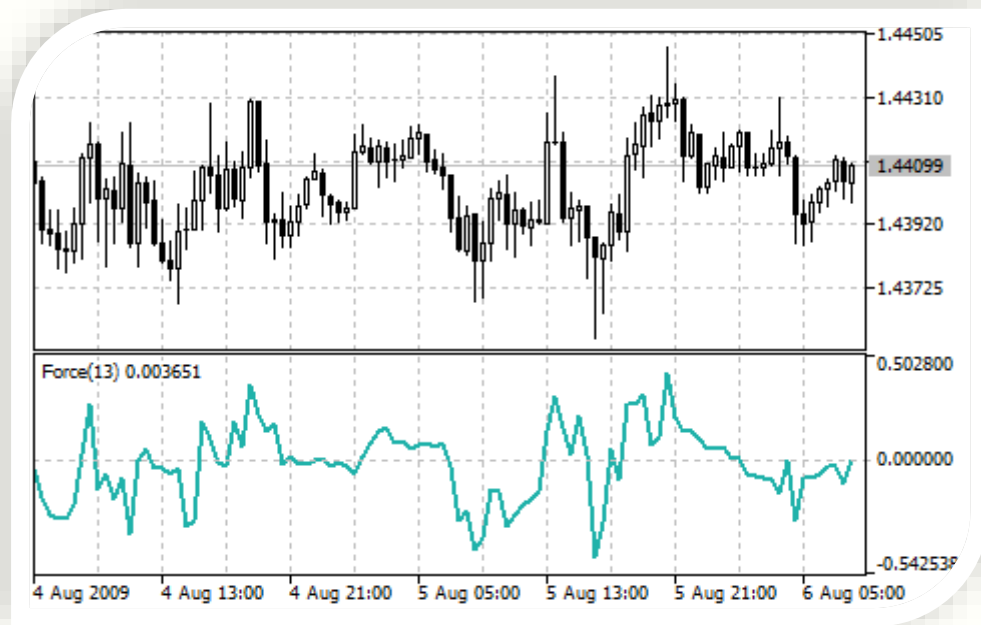


* Force Index Settings *	
Auto set parameters of Force Index?	Automatic
Averaging fast period for the Force Index calculation?	3
Smoothing method?	Linear weighted
Type of volume or handle?	Tick volume
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Force Index?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging fast period for the Force Index calculation?	# >= 0	Fast average period for calculating Force Index?
Smoothing method?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	What is smoothing method?
Type of volume or handle?	Tick volume Trade volume	Volume determination method?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

## Force Oscillator Index\_RV:

In the "Force Index\_RV Settings" section, you can change the settings for this oscillator.



* Force Index_RV Settings *	
Auto set parameters of Force Index_RV?	Automatic
Averaging fast period for the Force Index_RV calculation?	3
Smoothing method?	Linear weighted
Type of volume or handle?	Real volume
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Force Index_RV?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging fast period for the Force Index calculation?	# >= 0	Fast average period for force Index_RV?
Smoothing method?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	What is smoothing method?
Type of volume or handle?	Tick volume Trade volume	Volume determination method?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Fractals Indicator Settings:

In the "Fractals Settings" section, you can change the settings for this indicator.



* Fractals Settings *	
Auto set parameters of Fractals?	Automatic
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of Fractals?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?



## FrAMA Indicator Settings:

In the "FrAMA Settings" section, you can change the settings for this indicator.

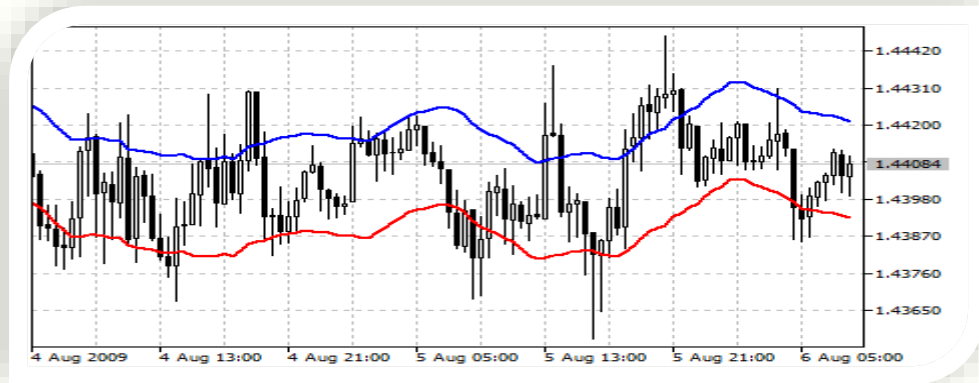


* FrAMA Settings *	
Auto set parameters of FrAMA?	Automatic
Averaging period for the FrAMA calculation?	34
Shift of period for the FrAMA calculation?	0
Type of price or handle?	Typical price
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of FrAMA?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the FrAMA calculation?	# >= 0	Fast average course for calculating FrAMA?
Shift of period for the FrAMA calculation?	# >= 0	Period displacement value for FrAMA calculation?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

## Envelopes Indicator Settings:

In the "Envelopes Settings" section, you can change the settings for this indicator.

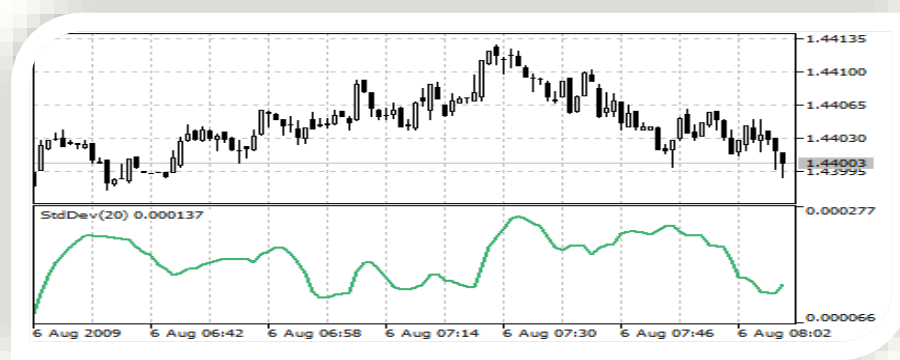


* Envelopes Settings *	
Auto set parameters of Envelopes?	Automatic
Averaging period for the Envelopes calculation?	14
Shift of period for the Envelopes calculation?	0
Deviation from the main line?	0.1
Smoothing method for Envelopes?	Linear weighted
Type of price or handle?	Typical price
Weight Value percent(1~100)?	100
Allow to draw Indicator on chart?	Indicator

Option	Valid Value	Explain
Auto set parameters of Envelopes?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the Envelopes calculation?	# >= 0	Fast average course for calculating Envelopes?
Shift of period for the Envelopes calculation?	# >= 0	Period displacement value for calculating Envelopes?
Deviation from the main line?	# >= 0.000	The amount of deviation from the main line?
Smoothing method?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	What is smoothing method?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Weight Value percent?	1 ~ 100	Weight value?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### StdDev Oscillator Settings:

In the "Standard Deviation" section, you can change the settings for this oscillator.



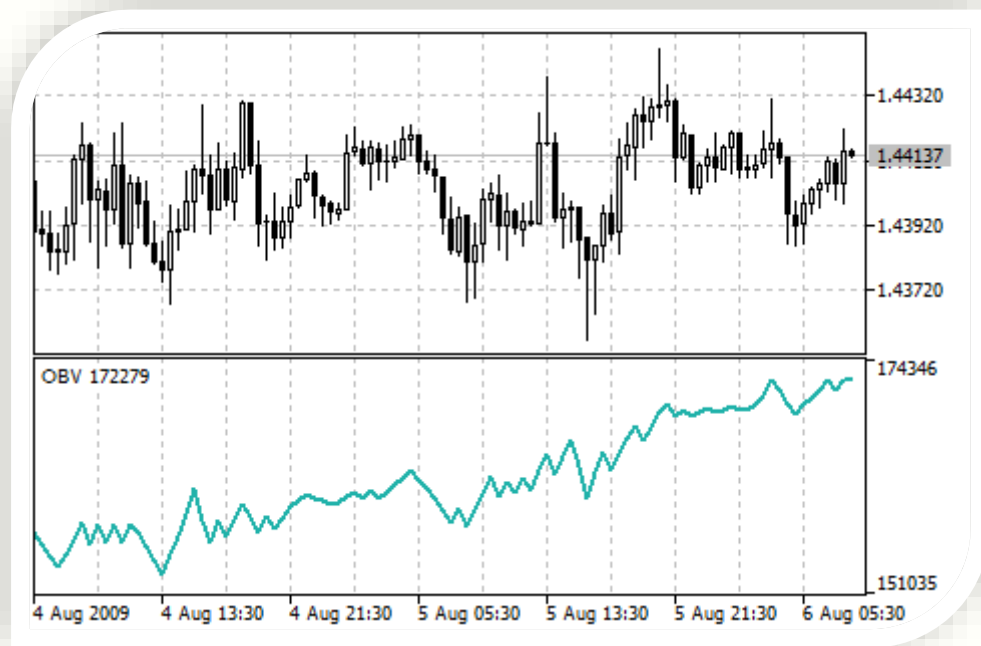
* StdDev(Standard Deviation) Settings *	
Auto set parameters of StdDev?	Automatic
Averaging period for the StdDev calculation?	20
Smoothing method for StdDev?	Linear weighted
Horizontal shift for StdDev?	0
Type of price or handle for StdDev?	Typical price
Percent plus to acceptable average for ordering(1~100)?	1
Minimum needed sample to check?	4
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of StdDev?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Averaging period for the StdDev calculation?	# >= 0	Fast average period for calculating StdDev?
Smoothing method for StdDev?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	What is Smoothing method for StdDev?
Horizontal shift for StdDev?	# >= 0	Horizontal displacement value for StdDev?
Type of price or handle for StdDev?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to set a price base for StdDev?
Percent plus to acceptable average for ordering?	1 ~ 100	Percentage of acceptable average increase for order registration?

Option	Valid Value	Explain
Minimum needed sample to check?	# >= 0	Minimum number of acceptable samples for the test?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### OBV Oscillator Settings:

In the "On Balance Volume" section, you can change the settings for this oscillator.



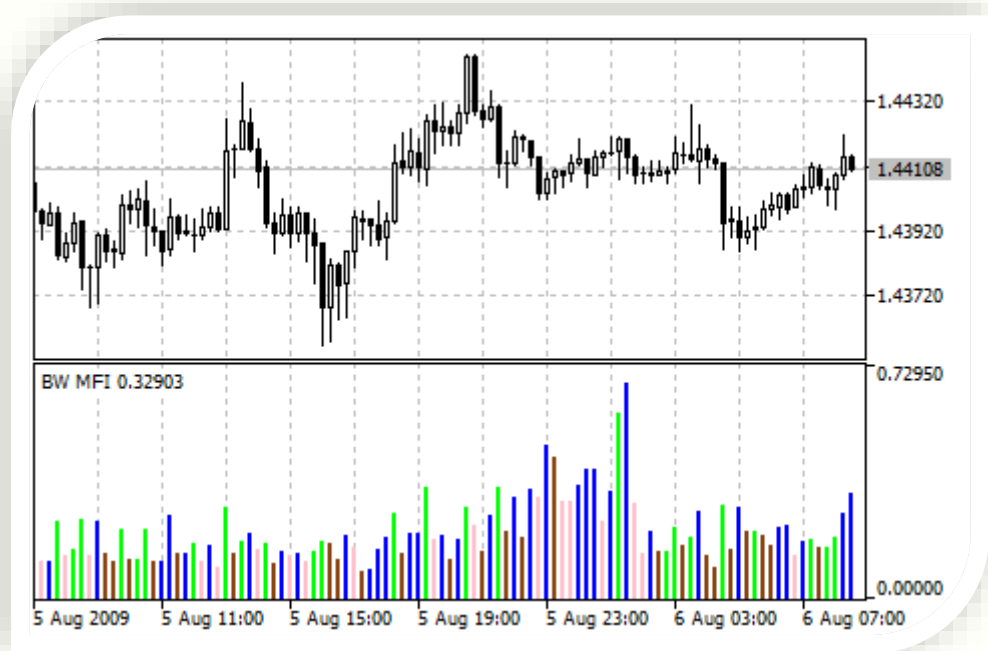
* OBV(On Balance Volume) Settings *	
Auto set parameters of OBV?	Automatic
Type of volume or handle?	Tick volume
Percent minus from acceptable average for ordering(1-100)?	99
Minimum needed sample to check?	4
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of OBV?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Type of volume or handle?	Tick volume Trade volume	Volume determination method?

Option	Valid Value	Explain
Percent minus from acceptable average for ordering?	1 ~ 100	Percentage of acceptable average reduction for order registration?
Minimum needed sample to check?	# >= 0	Minimum number of acceptable samples for the test?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### BWMFI Oscillator Settings:

In the "BWMFI (Market Facilitation Index) Settings" section, you can change the settings for this oscillator.

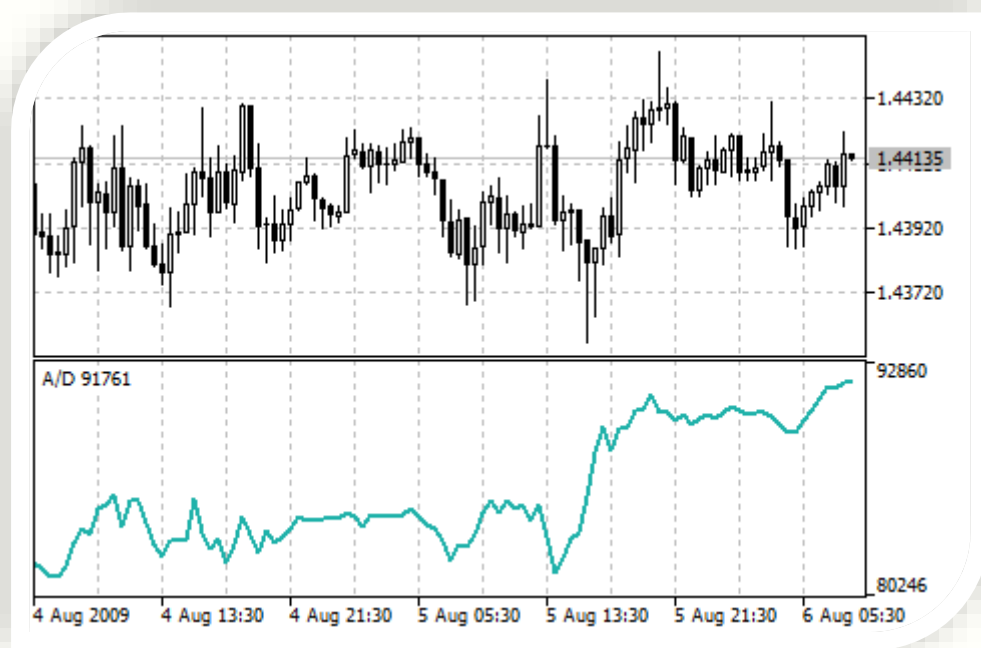


Option	Valid Value	Explain
Auto set parameters of BWMFI?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?

Option	Valid Value	Explain
Type of volume or handle?	Tick volume Trade volume	Volume determination method?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

**AD Oscillator Settings:**

In the "Accumulation/Distribution" section, you can change the settings for this oscillator.



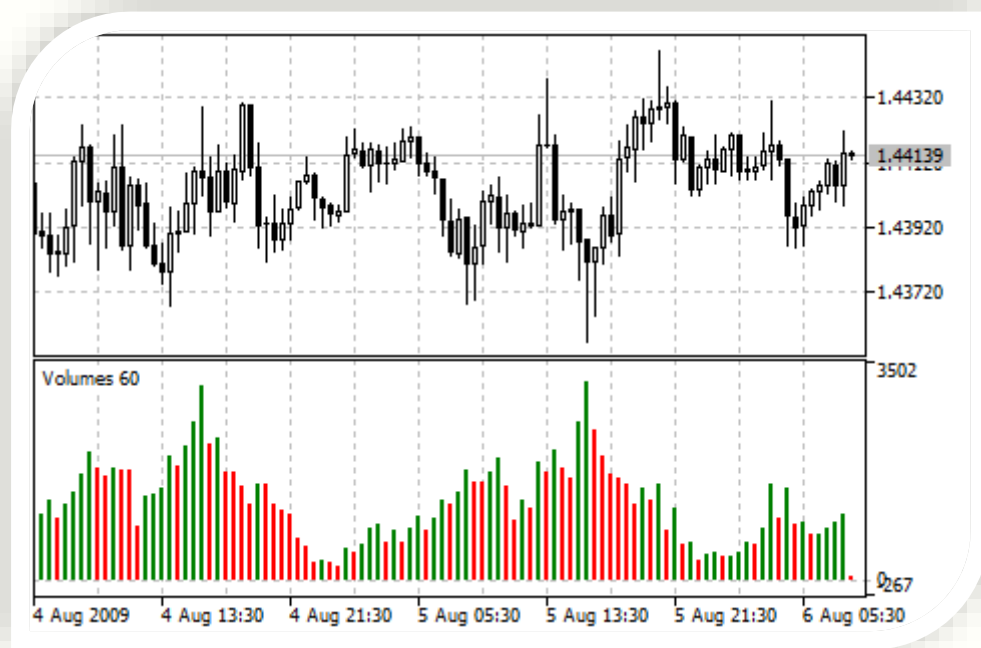
* AD(Accumulation/Distribution) Settings *	
Auto set parameters of AD?	Automatic
Type of volume or handle?	Tick volume
Percent minus from acceptable average for ordering(1~100)?	99
Minimum needed sample to check?	4
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of AD?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Type of volume or handle?	Tick volume Trade volume	Volume determination method?
Percent minus from acceptable average for ordering?	1 ~ 100	Percentage of acceptable average reduction for order registration?

Option	Valid Value	Explain
Minimum needed sample to check?	# >= 0	Minimum number of acceptable samples for the test?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Oscillator Volumes Settings:

In the "Volumes Settings" section, you can change the settings for this oscillator.



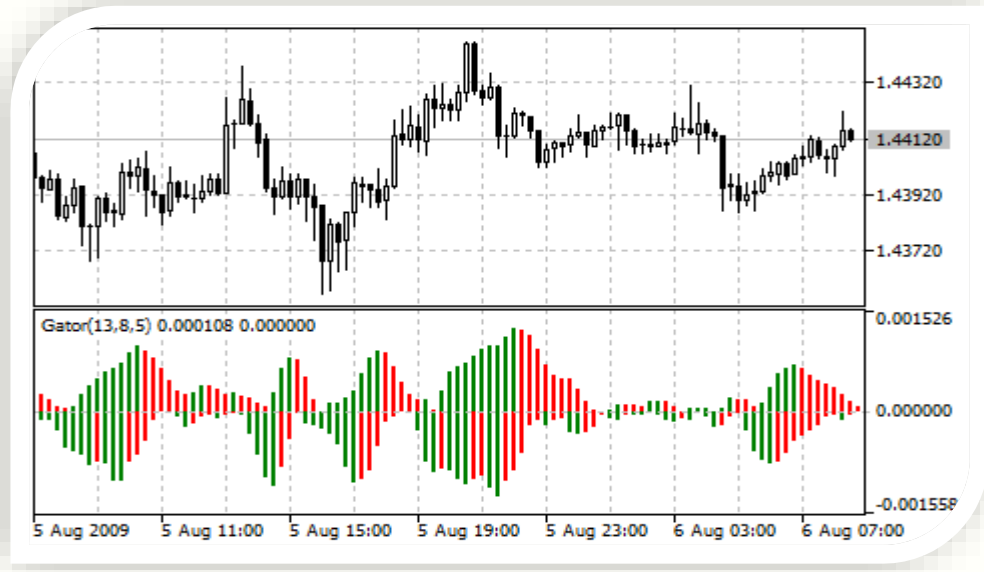
* Volumes Settings *	
<input checked="" type="checkbox"/> Auto set parameters of Volumes?	Automatic
<input checked="" type="checkbox"/> Applied Volume?	Tick volume
<input checked="" type="checkbox"/> Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Volumes?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Type of volume or handle?	Tick volume Trade volume	Volume determination method?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?



### Gator Oscillator Settings:

In the "Gator Settings" section, you can change the settings for this oscillator.



* Gator Settings *	
Auto set parameters of Gator?	Automatic
Period for average Jaw line calculation?	13
Shift for average Jaw line calculation?	8
Period for average Teeth line calculation?	8
Shift for average Teeth line calculation?	5
Period for average Lips line calculation?	5
Shift for average Lips line calculation?	3
Smoothing method?	Linear weighted
Type of price or handle?	Typical price
Allow to draw Indicator on chart?	Oscillator

Option	Valid Value	Explain
Auto set parameters of Gator?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Period for average Jaw line calculation?	# >= 0	Period for calculating jaw average line?
Shift for average Teeth line calculation?	# >= 0	The displacement value of jaw line calculation?
Period for average Teeth line calculation?	# >= 0	Period for calculating average teeth line?
Shift for average Jaw line calculation?	# >= 0	The displacement value of jaw line calculation?
Period for average Lips line calculation?	# >= 0	Course to calculate the average line of Lips?

Option	Valid Value	Explain
Shift for average Lips line calculation?	# >= 0	The displacement value of jaw line calculation?
Smoothing method?	Simple averaging Exponential averaging Smoothed averaging Linear-weighted averaging	What is smoothing method?
Type of price or handle?	Close price Open price The maximum price for the period The minimum price for the period Median price, (high + low)/2 Typical price, (high + low + close)/3 Average price, (high + low + close + close)/4	How to determine the price base?
Allow to draw Indicator on chart?	Indicator Oscillator Nothing	How to draw on the chart?

### Flame Indicator Settings:

In the "Flame Settings" section, you can change the settings for this indicator.



* Flame Settings *	
Future Bars?	10
Shift size before Flame?	50
Shift size after Flame?	11

Option	Valid Value	Explain
Future Bars?	# >= 0	Next Bars (Candles)?
Shift size before Flame?	# >= 0	Displacement size before flame?
Shift size after Flame?	# >= 0	The size of the displacement after the flame?

### Spread Controller Settings:

In the "Spread controller Settings" section, you can change the settings for this controller.



Option	Valid Value	Explain
Auto set parameters of Spread controller?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Percent plus acceptable average for ordering?	1 ~ 100	Percentage of acceptable average increase for order registration?
Minimum needed sample to check?	# >= 0	Minimum number of acceptable samples for the test?

### Ticks volume controller settings:

In the "Ticks volume controller Settings" section, you can change the settings for this controller.



Option	Valid Value	Explain
Auto set parameters of Ticks volume controller?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Percent minus from acceptable average for ordering?	1 ~ 100	Percentage of acceptable average reduction for order registration?
Minimum needed sample to check?	# >= 0	Minimum number of acceptable samples for the test?

### Spread and Volume controller settings:

In the "Spread and Volume controller Settings" section, you can change the settings for this controller.



Option	Valid Value	Explain
Auto set parameters of Spread and Volume controller?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Percent minus from acceptable average for ordering?	1 ~ 100	Percentage of acceptable average reduction for order registration?
Minimum needed sample to check?	# >= 0	Minimum number of acceptable samples for the test?

### Restrict to past Opens and Closed controller settings:

In the "Restrict to past Opens and Closed controller Settings" section, you can change the settings for this controller.



Option	Valid Value	Explain
Auto set parameters of Restrict to past Opens & Closed controller?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Is it used instead of Open, High and Low instead of Close?	Yes No	Is it considered a Low price instead of an Open price, a High price, and a Low price instead of a Close price?
Maximum candles for checking Xtrims?	# >= 0	Maximum number of last Bars (Candles) for maximum and minimum check?

Option	Valid Value	Explain
Minimum needed sample to check?	# >= 0	Minimum number of acceptable samples for the test?

### Active Market Controller Settings:

In the "Active Market controller Settings" section, you can change the settings for this controller.

Option	Valid Value	Explain
Auto set parameters of Active Market controller?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Percent plus average for ordering(1-100)?	1 ~ 100	Percentage of acceptable average increase for order registration?
Max acceptable delay deal seconds?	# >= 0	Maximum acceptable time delay (seconds)?
Max cycles time to store in list?	# >= 0	The maximum number of time delays checked to be saved for statistical tasks?
Minimum needed minutes to check?	# >= 0	Minimum number of acceptable minutes for the test?

Option	Valid Value	Explain
Auto set parameters of Active Market controller?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Percent plus average for ordering?	1 ~ 100	Percentage of acceptable average increase for order registration?
Max acceptable delay deal seconds?	# >= 0	Maximum acceptable time delay (seconds)?
Max cycles time to store in list?	# >= 0	The maximum number of time delays checked to be saved for statistical tasks?
Minimum needed minutes to check?	# >= 0	Minimum number of acceptable minutes for the test?

### Top Symbol Rate Controller Settings:

In the "Top Symbol Rate controller Settings" section, you can change the settings for this controller.



Option	Valid Value	Explain
Auto set parameters of Top Symbol Rate controller?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Minimum needed sample to check?	# >= 0	Minimum number of acceptable samples for the test?

### Spread Fit Controller Settings:

In the "Spread Fit controller Settings" section, you can change the settings for this controller.



Option	Valid Value	Explain
Auto set parameters of Spread Fit controller?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Percent plus average for ordering	1 ~ 100	Percentage of acceptable average increase for order registration?
Minimum needed sample to check?	# >= 0	Minimum number of acceptable samples for the test?

### Trend price change speed Controller Settings:

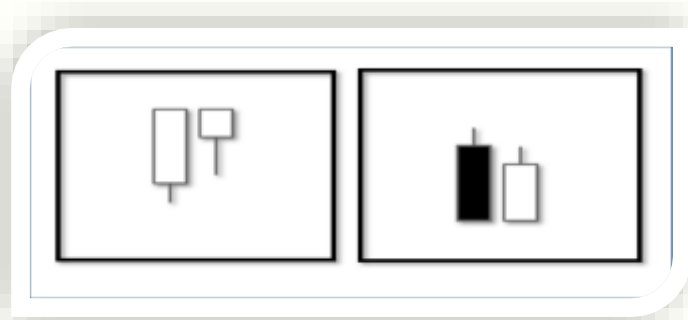
In the "Trend price change speed controller Settings" section, you can change the settings for this controller.



Option	Valid Value	Explain
Percent minus from acceptable average for ordering (1~100)?	0 ~ 100	Percentage reduction of acceptable average for order registration?
Minimum acceptable Symbol changing speed (Point/Hour)?	# >= 0.0	The slowest acceptable speed of change in the price of the Symbol (Point per Hour)?

### Tweezer Pattern Settings:

In the "Tweezer Settings" section, you can change the settings for this template.

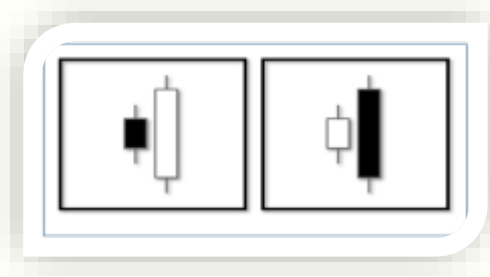


Option	Valid Value	Explain
Auto set parameters of Tweezer?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Maximum offset comparing Candles	# >= 0	Maximum acceptable pip for pattern matching?
Weight Value percent?	1 ~ 100	Weight value?



### Engulfing Pattern Settings:

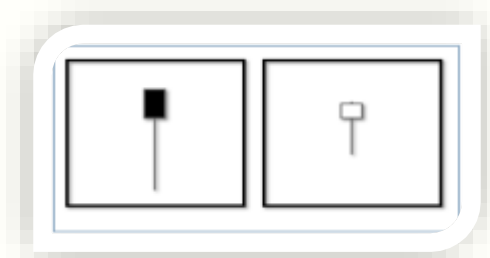
In the "Engulfing Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Engulfing?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Hanging Man-Hammer Pattern Settings:

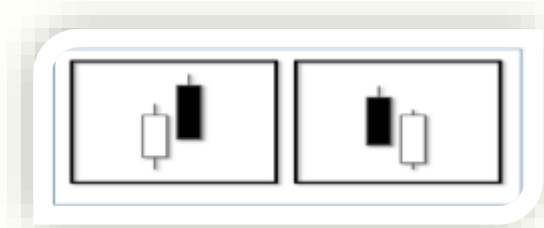
In the "Hanging Man-Hammer Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Hanging Man-Hammer?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Dark Cloud-Piercing Pattern Settings:

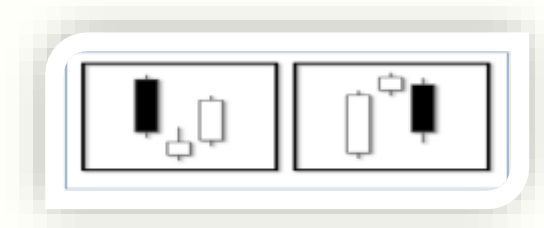
In the "Dark Cloud-Piercing Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Dark Cloud-Piercing?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Morning Star-Evening Star Pattern Settings:

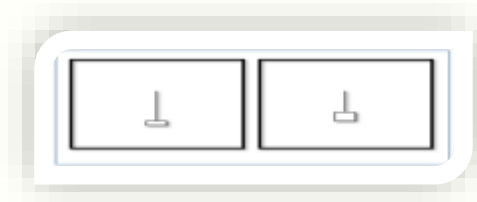
In the "Morning Star-Evening Star Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Morning Star-Evening Star?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Shooting Star-Inverted Hammer Pattern Settings:

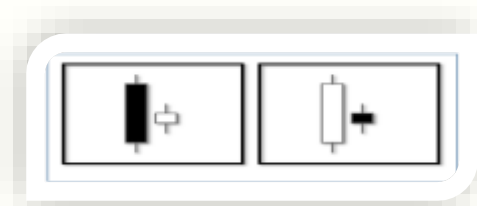
In the "Shooting Star-Inverted Hammer Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Shooting Star-Inverted Hammer?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Harami Pattern Settings:

In the "Harami Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Harami?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Belt Hold Line Pattern Settings:

In the "Belt Hold Line Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Belt Hold Line?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Counter Attack Line pattern settings:

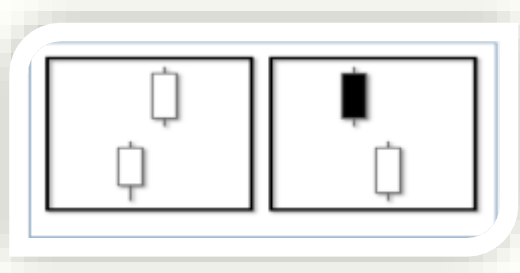
In the "Counter Attack Line Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Counter Attack Line?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Windows Pattern Settings:

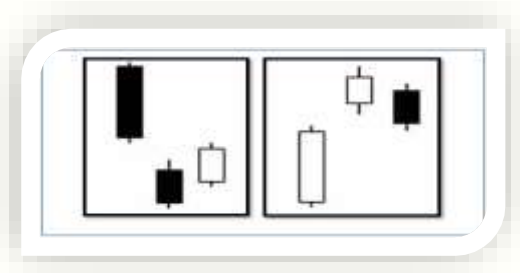
In the "Windows Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Windows?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Gap Tasuki Pattern Settings:

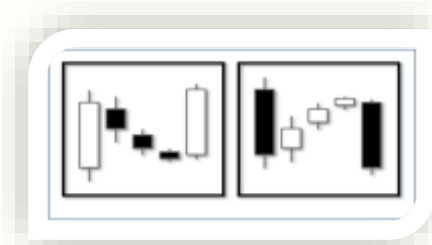
In the "Gap Tasuki Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Gap Tasuki?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Three Methods Pattern Settings:

In the "Three Methods Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Three Methods?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Separating Lines Pattern Settings:

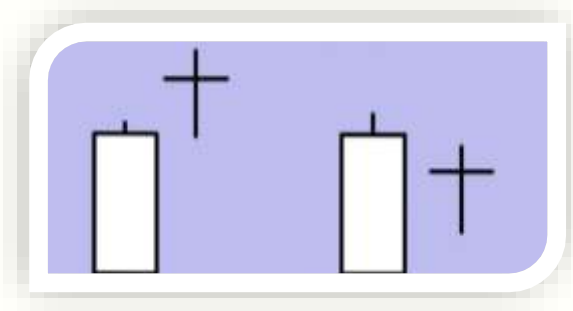
In the "Separating Lines Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Separating Lines?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Magic Doji Pattern Settings:

In the "Magic Doji Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Magic Doji?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Weight Value percent?	1 ~ 100	Weight value?

### Natural process pattern settings:

In the "Natural process Settings" section, you can change the settings for this template.



Option	Valid Value	Explain
Auto set parameters of Natural process?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Natural process mod calculation?	Check Day Check Day and Week Check Day, Week and Month	Natural process calculation method?
Natural process mod calculation (Stock Only)?	Check Day Check Day and Week Check Day, Week and Month	Calculation method (Natural process only in stock trading)?



Option	Valid Value	Explain
Deep loop for last Month checking?	# >= 0	For in-depth analysis, check out the previous few months?
Deep loop for last Week checking?	# >= 0	For in-depth analysis, check out the previous few weeks?
Deep loop for last Day checking?	# >= 0	For in-depth analysis, check how many days earlier?
Weight Value percent?	1 ~ 100	Weight value?

### Minor fixed trend pattern settings:

In the "Minor fixed trend Settings" section, you can change the settings for this template.

Option	Valid Value	Explain
Auto set parameters of Minor fixed trend?	Automatic	Automatically determine calculations or use fixed manual parameters?
Minimum bars to consider direction?	0	Minimum number of bars to consider trends and directional diagnosis?
Check minor trend in all TFs?	No	Is minor trend checked on all time frames?
Are larger or smaller time frames worth more weight?	Larger time frames worth more weight	Are larger or smaller time frames worth more weight?
Weighted staircase size?	0.0526315789	
Relax level check?	Compare Candles 0, 1 or 0, 2 or 1, 2	
Interfere with zero changes in calculations?	No	
Check last Candle in TFs?	No	
Check minor trend in TF1?	Yes	
Check minor trend after TF1?	Yes	
Check minor trend in last TF?	Yes	
Strict model?	Continue the Process	
Strict model (Stock Only)?	Continue the Process	
How many last candles with same direction in TF1?	Ignore Candles same direction	
How many last candles with same direction after TF1?	Ignore Candles same direction	
How many last candles with same direction in last TF?	Ignore Candles same direction	
Min tolerance hope for a trend signal (point)?	1	
Max tolerance hope for a trend signal (point)?	20	
Number of trend comparisons for precontrolling?	0	
Number of trend comparisons for postcontrolling?	0	
Weight Value percent(1-100)?	100	

Option	Valid Value	Explain
Auto set parameters of Minor fixed trend?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Minimum bars to consider direction?	# >= 0	Minimum number of bars to consider trends and directional diagnosis?
Check minor trend in all TFs?	Yes No	Is minor trend checked on all time frames?
Are larger or smaller time frames worth more weight?	All timeframes worth the same Larger time frames worth more weight Smaller time frames worth more weight	Are larger or smaller time frames worth more weight?
Minimum acceptable number of trend Time frames?	# >= 0	The least acceptable number of trend-ding Time frames?

Option	Valid Value	Explain
Weighted staircase size?	# >= 0.0	The staircase to increase the weight factor?
Relax level check?	Compare Candles 0, 1 Compare Candles 0, 1 or 0, 2 Compare Candles 0, 1 or 0, 2 or 1, 2	What is the level of freedom?
Interfere with zero changes in calculations?	Yes No	Is zero mode (unchanged) interfering with the calculations?
Check last Candle in TFs?	Yes No	Is the last Bar (Candle) checked in all time frames?
Check minor trend in TF1?	Yes No	Is minor trend checked in a time frame left to the end?
Check minor trend after TF1?	Yes No	Is minor trend checked after a time frame to the end?
Check minor trend in last TF?	Yes No	Is minor trend checked in the last time frame?
Strict model?	No Strict model Continue the Process Reverse Process Start	What strict procedures should be implemented?
Strict model (Stock Only)?	No Strict model Continue the Process Reverse Process Start	What strict method is implemented (only in stock-limited trading)?
How many last candles with same direction in TF1?	Ignore Candles same direction Last 2 Candles same direction Last 3 Candles same direction	How many of the last Bars (candles) with the same direction in the time frame one left to the end, should there be?
How many last candles with same direction after TF1?	Ignore Candles same direction Last 2 Candles same direction Last 3 Candles same direction	How many of the last Bars (candles) with the same direction after the time frame remaining one to the end, should there be?
How many last candles with same direction in last TF?	Ignore Candles same direction Last 2 Candles same direction Last 3 Candles same direction	How many of the last Bars (candles) with the same direction in the last time frame, should there be?
Min tolerance hope for a trend signal (point)?	# >= 0	Minimum of acceptable amount of tolerance (point) to calculate hope for trend?
Max tolerance hope for a trend signal (point)?	# >= 0	Maximum of acceptable amount of tolerance (point) to calculate hope for trend?

Option	Valid Value	Explain
Number of trend comparisons for precontrolling?	# >= 1	Number of trend hope comparisons for precontrolling?
Number of trend comparisons for passcontrolling?	# >= 1	Number of trend hope comparisons for passcontrolling?
Weight Value percent?	1 ~ 100	Weight value?

### Last group move pattern settings:

In the "Last group move Settings" section, you can change the settings for this template.

Option	Valid Value
Auto set parameters of Last group move?	Automatic
Last seconds for analyzing?	60
Weight Value percent(1-100)?	100

Option	Valid Value	Explain
Auto set parameters of Last group move?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Last seconds for analyzing?	# >= 0	Check for the last few seconds?
Weight Value percent?	1 ~ 100	Weight value?

### Depth of Market Pattern Settings:

In the "Depth of Market Settings" section, you can change the settings for this template.

Option	Valid Value
Seconds of calculating Depth of Market?	5
Acceptable speed%?	30
Direct conclusions?	Yes

Option	Valid Value	Explain
Seconds of calculating Depth of Market?	Automatic Manually	Automatically determine calculations or use fixed manual parameters?
Acceptable speed%?	1 ~ 100	How many percent of the maximum speed is acceptable to detect the likes of buying or selling?

Option	Valid Value	Explain
Direct conclusions?	Yes No	Are the results considered to be in the direction of moving deep in the market (not considering reverse movement)?

### Function Mode Section:

In the "Mode" section, the possibility and conditions for tests related to the robot's inner functions and libraries are provided only for professional programmers.



Option	Valid Value	Explain
Programming mode?	No programming mode Programming Without OnInit() Programming With Half OnInit() Programming With Full OnInit() Programming With Half OnTimer() Programming With Full OnTimer()	Are the results considered to be in the direction of moving deep in the market (not considering reverse movement)?

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 Chat by Skype: [HeartRefine@HotMail.com](https://HeartRefine@HotMail.com)

 Mobil: +98(917)715-0586 (For SMS only)



## Resources:

<https://www.mql5.com/en/docs>

<https://www.mql5.com/en/articles/2626>

<https://www.metatrader5.com/en/terminal/help>

[https://www.metatrader5.com/en/terminal/help/charts\\_analysis/indicators](https://www.metatrader5.com/en/terminal/help/charts_analysis/indicators)

<https://www.metatrader5.com/en/download>

[https://www.metatrader5.com/en/terminal/help/trading/general\\_concept](https://www.metatrader5.com/en/terminal/help/trading/general_concept)

<https://emofid.com/trades/platforms/mofidtrader>

<https://fbs.com/trading/platforms?active=mt5>

[https://en.wikipedia.org/wiki/Candlestick\\_pattern](https://en.wikipedia.org/wiki/Candlestick_pattern)

<https://hitandruncandlesticks.com/bearish-belt-hold-candlestick-pattern>

<https://candlecharts.com/candlestick-patterns/counterattack-lines-bearish-pattern>

<https://candlecharts.com/candlestick-patterns/counterattack-lines-bullish-pattern>

<https://candlecharts.com/candlestick-patterns/tasuki-gap-bearish-pattern>

<https://candlecharts.com/candlestick-patterns/tasuki-gap-bullish-pattern>

<https://hitandruncandlesticks.com/bullish-separating-lines-pattern>

<https://hitandruncandlesticks.com/bearish-separating-lines-pattern>

<http://Forex.TimezoneConverter.com>

<https://TSE.ir>

<http://www.tsetmc.com>

<http://expertadvisorbook.com/expert-advisor-programming-for-metatrader-5>

<https://www.facebook.com/thekingstonymca/photos/a.477641662272395/1868506226519258>

*A good deal means: good profit for yourself,  
broker and all people of the world*

Secure trading in all types of stock markets and Forex  
Introducing SM01Forex Robots

**5th Edition**

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*Note*

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# *Secure trading in all types of stock markets and Forex*

5th Edition

*A deal Good name: good profit for yourself, broker and*

*All People of the world*

There are different perspectives for examining the conditions of stock markets and trans-bourses, whether global or regional. In this book, the techniques that the SM01Forex robot performs for comprehensive market analysis and the tools it uses to increase the accuracy of calculations and forecasts are described. Naturally, by studying this book, in addition to getting to know the mass of techniques and tools that an advanced robot does for technical analysis of Symbols and markets, you will find that by changing the parameters and settings of the SM01Forex robot, you can test a variety of ideas and implement different ways to find good trading opportunities.