

Automatic trading advisor **EURONIS**

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Xxxx

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Description and Features

This product is a ready to run the program - trading adviser, in a compiled form to file for a fully automated trading on the Forex market using the trading terminal MetaTrader 4.

The main characteristics of the counselor:

- The average profit per month with minimal risk (3 trading pairs) - 30%, with average risk (2 pairs trading) - 50%;
- Currency deposit - any, preferably USD;
- The main currency pairs to trade up to 6: EURGBP, EURCHF, GBPCHF, EURCAD, GBPCAD, CADCHF, in the trade regime for cross CrossNormalMode and a dollar CrossOverMode their dollar pairs EURUSD, GBPUSD, USDCHF, USDCAD;
- The possibility of synthesis of all cross pairs;
- Work with quotations from the 4 and 5 digits after the decimal point, with fixed and floating spreads;
- Work with the lot size forex 10000 and 100000 BE;
- Trade time - four nights a week for two hours from 22 to 0 by the SET (from 21 to 7 max);
- The possibility of closure orders by "the witness» TakeProfit (only in CrossNormalMode);
- The inclusion of the software, the "invisible" to the broker StopLoss;
- Algorithms repeat the opening and closing orders in case of error;
- The ability to automatically determine the time difference with GMT and the transition to daylight saving time;
- Automatically limit the maximum lot for trading on the basis of collateral requirements of Brokers;
- Correction and protection against high spread, correction additional fee;
- Detailed comments on the screen of the program schedule in English and Russian languages;
- Detailed reports on trade and testing;
- Possibility to send daily report to the SMS;

Description of the variables Adviser

Language – comment language programs that can take values «rus» - Russian or «eng» - English.

Sizing orders (Orders options):

Lots – fixed lot size. Used for testing or optimization adviser. When value of Lots, different from 0, the value of LotPercent ignored.

LotsPercent – percentage of the deposit for the calculation of the lot, may be set up MaxLotsPercent. On accounts with the currency other than dollars, it is necessary to adjust the value LotsPercent MaxLotsPercent and the currency rate of the deposit relative to the dollar!

MaxLotsPercent – maximum percentage of the deposit for the calculation of the lot. Limits the maximum possible lot to trade. The maximum possible percentage of the lot deposit depends on margin requirements for the Brokers and the necessary Drawdown must withstand a warrant, without falling at the same level in StopOut (usually equal MarginCal). Also depends on the price points the currency pair. When you transfer advisor on schedule, after downloading it gives information line where you indicate maximum lot to trade in this mode.

Exchange adjustment (Trade options):

SettingsNumber – number of predefined settings, the program can be a value from 1 to 20.

Inside the program sets the value of more than 170 different variables for each currency pair. In fact determines the sensitivity to the discovery and closure orders. The more SettingsNumber, the lower the sensitivity and fewer orders.

FletFilterLevel – filtering level flat market from 0 to 20, the higher the value, the stronger the filtering and a flat market fewer orders. When "0" - feature is disabled.

ProfitSensLevel – parameter that determines the sensitivity of the optimal dynamic profit transaction points, depending on the amplitude of quotations. When "0" - feature is turned off and, depending on the currency pair, the optimal profit automatically set from 5 to 8 points. For values between 1 and 10 feature sets parameters to determine the maximum possible profit for each transaction.

TrendFilterLevel – filtration rate trend. When set to "0" is disabled. For values of 1 up to 10 sets the level of filtering based on the trend of the oscillation amplitude dollar components of cross-pairs. When testing or optimization of the parameter, you must first copy the folder tester/history history Quotes on dollar pairs of folders history/<server name>.

Settings trading time (Time options):

UseAutoTimeSttings – enabling/disabling automatic determination of the time difference of the terminal with the GMT, as well as the date of transition to daylight saving time. Adviser has the ability to automatically identify and verify the existing settings

time, for that he is trying to download quotes history EURUSD H1 - 25 October 2010. Also in the file gmtstdXX.csv for some brokers have already indicated these parameters. Algorithm validation is as follows: after the launch at UseAutoTimeSettings = true, adviser to first try to define himself settings time, then checks the list of settings for different Brokers in the file gmtstdXX.csv. If it has given the broker, the downloaded setup will be priority. In any case, the advisor checks the calculated data and downloaded setup and gives results in the information line. Internal working time adviser to a Central European, which is always (Switching to daylight saving time coincide with Moscow time) for two hours less than Moscow. This time is always displayed in the "Trade time SET (MSK-2) and is always on all terminals must be the same, that when you boot should be checked.

TimeZone – difference is the terminal time to time in GMT Daylight Time, is taken into account when off UseAutoTimeSettings = false or UseAutoTimeSettings = true, in the case if the counselor was not possible to determine either downloaded from the configuration file differences time for the broker.

SWChangeMode – transfer mode terminal time for winter - summer. 0 - transition, together with Europe-1 - go along with the United States, 2 - there is no transition to daylight saving time. Correct determination of the time settings can also be set by time, which displays a counselor in the comment line. It should always be same set, i.e. two hours earlier, Moscow time.

BlockWeekBegin – lock on/off trading on Monday to 12.00 AM.

BlockWeekEnd – lock on/off trade on Friday after 12.00 AM.

OpenHourAM – defines the start of trade AM. Time can be set to minutes, for example 21.45 (21 hours 45 minutes).

CloseHourAM – defines the end time trade AM.

OpenHourPM – defines the start of trade PM.

CloseHourPM – defines the end time trade PM.

MailReportTimeHour – with "-1" feature is disabled for other values specified hour dispatch daily report on Trade Time CET (detailed in the section «Configuring email отчетов на e-mail или SMS»).

Other settings (Other options):

ShowOrderComments – on/off comments appear to put up orders.

ShowInformation – on/off output window graphics comments adviser.

InformationStringNumber – the maximum number of lines of comments.

ShowSpreads – on/off output to the chart window table hourly metering spreads in mode of cross and through the dollar.

ShowCommissionLevel – on/off display, in addition to the line Ask, another dotted line - Ask plus additional commission (usually on the ECN accounts) in terms of points.

Advanced Settings (Advanced options):

BlockAfterLostOrder – off in false lock trade after the discovery of the "lost order" when trading in the mode CrossOverMode (recommended only for experienced off users). When this function is blocked only by new orders, as already exhibited Adviser continues to monitor.

BlockAfterHandClose – if false disable blocking trade after manual closing orders (Recommended only for experienced users turn off). When the function is blocked only by new orders, as already exhibited adviser continues to monitor.

MaxSpreadOpenValue – value limit spread, above which the adviser would not stand order, with "0" adviser for each currency pair takes the value of pre-defined settings (EURGBP = 5, EURCHF = 5, GBPCHF = 7, EURCAD = 8, GBPCAD = 8, CADCHF = 7).

MaxSpreadCloseValue – value limit spread, above which the adviser will be closing a warrant only if a positive balance of trade, with "0" advisor each currency pair takes the value of the predefined settings (EURGBP = 5, EURCHF = 5, GBPCHF = 9, EURCAD = 9, GBPCAD = 10, CADCHF = 8).

InvisibleStopLoss – enable/disable the "invisible" (software) StopLoss level. If true program controls the preset maximum level landing (for each pair can be different), and at this level closes the order. If false in this level exhibited normal StopLoss. «Invisible» StopLoss need for prevent "churning" his broker - this is the easiest way to limit the growth of your deposit for dishonest Broker. However, keep in mind that the work this function will only when the terminal.

TrailingTakeProfit – on/off "witness" level TakeProfit. If true advisor always, if possible moves level TakeProfit to place the proposed closure warrants, which eliminates slippage at the closing order. Function is capable of only work in the trade regime for cross.

CheckFreeMargin – on/off check available funds at the opening of orders. If true, when calculating the lot Advisor takes as its basis available funds in the account, rather than balance value. Also limits the value of the lot based on the value MaxLotsPercent relatively free capital. Should include the trade other advisers in conjunction with the advisor EURONIS.

MinLotValue – the value of the minimum lot for trading. It happens that the data on the minimum lot and step lots, provided the terminal does not coincide with the stated brokers.

Was found only in the account at the ECN FXOpen, it is recommended to change only experienced users.

LotStepValue – step value of lots, as in the previous case, is extremely rare, it is recommended change only for experienced users.

UseAutoFXCommission – includes the automatic assignment of fixed commissions all currency tools (detailed in the section "Setting the Adviser").

Trading pair (Trading Pairs):

TradingPair1..8 – define the necessary cross-rates to generate synthetic graphs are given through "/", such as EUR/GBP, GOLD/SILVER, etc.

The algorithm works Adviser

The major currency pairs are working EURGBP M15, EURCAD M15 and GBPCAD M15. Also adviser can work on other pairs: EURCHF M15, GBPCHF M15, CADCHF M15 and at other times interval M5, but in this case, you must select the settings for each broker separately because of differences quotations.

Expert Advisor is to identify the channel and install a warrant in the opposite trend direction. The algorithm is based on the link method, similar to Bollinger Bands. Variable SettingsNumber given sensitivity, the more SettingsNumber from 1 to 20, the less sensitivity settings for the opening and closing orders. In addition SettingsNumber can additionally install filtering flat market FletFilterLevel from 0 to 20, and filtering the trend TrendFilterLevel 0 or 10. It is also possible the inclusion of dynamically changing levels optimal profit of the transaction, depending on the amplitude of the channel ProfitSensLevel from 0 to 10. The more value ProfitSensLevel, the greater the profit, depending on the amplitude of the channel adviser tries take.

Recommended operating time adviser c 22.02 to 24.00, it is determined by variables OpenHourAM (0 ... 12), CloseHourAM (0 ... 12), OpenHourPM (12 ... 24), CloseHourPM (12 ... 24) and is centrally European (CET) which lags behind in Moscow for 2 hours (MSK-2). Time is always displayed in information line, "Trade time SETH (MSK-2)" and at all terminals must be the same. Trade on Monday morning and Friday night blocked variables BlockWeekBegin and BlockWeekEnd.

This strategy is scalpingovoy for successful trade plays an important role the size of night spreads and quality of execution of orders. For each currency pair can be a particular broker choose one of two modes of trade - at the cross, when the order is placed directly on cross pairs, such as EURGBP, or the dollar when the order to cross pairs are replaced by pairs dollar warrants (see "Work Adviser in the regime CrossOverMode). Preference should give that regime, which is less than the resultant average spread. Measure the spreads can be Start a counselor in the mode MarketInfoMode. The results of measurement of spreads for some brokers may be see the file spreads.xls.

Adviser may operate in three modes, one information MarketInfoMode and two trade - CrossNormalMode and CrossOverMode. Current mode adviser always displays in the second line comments.

In the MarketInfoMode adviser has no effect on trade, not giving orders to opening or closing orders. Goes adviser in this mode automatically when moving on schedule currency pair EURUSD. You can use this mode for measuring spreads by setting ShowSpreads = true to display the measurements of spreads on the screen. It should set the parameters of the adviser desired majors TradingPair1 ... 8 via a "/" (eg EURGBP is defined as EUR / GBP). You can ask any cross pairs, even inaccessible in the terminal, ie, crosses with currencies, futures, metals, etc. At each time counselor in this mode, it tries to download as much as possible history, for the formation of synthetic graphs given the cross-pairs on the basis of price discovery and closing bars of the lower timeframes dollar component of these cross-pairs. After loading history, Advisor offers these graphics. View them as possible through the menu "File-> Open Offline". All

synthetic graphics have the prefix «cr». These charts are needed to further trade regime CrossOverMode and are updated only when the advisor.

Trade regime CrossNormalMode. In this mode adviser passes when moving it on any schedule cross pairs, presented in a terminal in the list of "Market» («MarketWatch»). Warrant in this case exposed directly to the crosses.

Trade regime CrossOverMode. In this mode adviser goes automatically transfer it to previously formed synthetic graph of cross-pairs. Orders in this mode are set in pairs through the dollar. At the same time adviser on the chart draws a line current synthetic quotations Bid and Ask, as well as a dotted line prices «Ask plus commission, if it is present. When installing the warrants as shows the level of open orders and direction of opening/closing orders.

Employment Adviser mode CrossOverMode

A deal on cross pair like to buy EURGBP, can be replaced by two operations: for GBP buy the right amount of USD, then over the USD buy EUR, or in the formula it looks like this:

$$\text{EUR/GBP} = \text{EUR/USD} * \text{USD/GBP}$$

It turns out that the operation can be replaced by any pair of two cross transactions through the dollar, as well as on dollar pairs, usually spreads minimum, then the resulting spread, we can also receive the minimum. As a result, we obtain a number of advantages:

- Trade does not depend on extensions of spreads on cross-rate at night;
- We get the result of cross-spread is the lowest-possible level;
- We get rid of "churning stops" by large emissions of prices for cross-pairs;
- Slip the most part positive, that never happens to trade in cross-pair;
- We circumvent the filters, which can include a server-side platform for MetaTrader noise restrictions on cross-pairs (large emissions quotes are just from the excitement digital filters).

The figure below shows how a single Broker filtered quotes on cross-EURCHF pair of night-time and as "fly" candles because of the "excitement" of filters. Left - a timetable that quotes a pair of cross eurchf, right - the same thing, only quotations are constructed through the U.S. (green).



To arrange a trade for a dollar cross rates, it is necessary to perform two operations instead of one, a certain amount of lots and in a certain direction, that is capable of doing adviser in mode CrossOverMode.

If you look at the chart the history of orders for trading in the mode CrossOverMode, we can see that he has a sawtooth shape.



This is due to the fact that, as a rule, one of a pair of orders rose at a loss, and the second in the profits and the difference between profit and loss of one second and will be the total profit for the cross pair.

Ордер /	Время	Тип	Об...	Символ	Цена	S / L	T / P	Время	Цена	Своп	Прибыль	Вертикальный масштаб
2603...	2009.10.09 00:56	buy	0.06	eurusd	1.47874	0.00000	0.00000	2009.10.09 01:02	1.47735	0.00	-8.34	crEURGBP_euronis(n)
2603...	2009.10.09 00:56	sell	0.06	gbpusd	1.60705	0.00000	0.00000	2009.10.09 01:02	1.60496	0.00	12.54	crEURGBP_euronis(n)
2603...	2009.10.09 01:02	sell	0.06	eurusd	1.47731	0.00000	0.00000	2009.10.09 03:19	1.47740	0.00	-0.54	crEURGBP_euronis(n)
2603...	2009.10.09 01:02	buy	0.06	gbpusd	1.60497	0.00000	0.00000	2009.10.09 03:19	1.60532	0.00	2.10	crEURGBP_euronis(n)
2603...	2009.10.09 01:08	buy	0.10	usdcad	1.05248	0.00000	0.00000	2009.10.09 03:16	1.05295	0.00	4.46	crCADCHF_euronis(n)
2603...	2009.10.09 01:08	sell	0.10	usdchf	1.02705	0.00000	0.00000	2009.10.09 03:16	1.02766	0.00	-5.94	crCADCHF_euronis(n)
2603...	2009.10.09 01:08	buy	0.10	eurusd	1.47748	0.00000	0.00000	2009.10.09 01:46	1.47795	0.00	4.70	crEURCAD_euronis(n)
2603...	2009.10.09 01:08	buy	0.10	usdcad	1.05246	0.00000	0.00000	2009.10.09 01:46	1.05257	0.00	1.05	crEURCAD_euronis(n)

In comments to the dollar slips advisor indicates to which cross each pair is dollar order. Comments can be disabled ShowOrderComments = false.

Choosing a broker, currency pairs for trading and risk

From my own practice I distinguish several criteria for choosing DC:

- Spread to be floating;
- WebMoney if there is, then the only certificate not lower than the personal;
- Daily or even monthly reports on the e-mail;
- A contract with the seals, even though the scan;
- Support for all policies;
- Short processing time of orders at the opening and closing orders (2-3 sec);
- No or very little slippage (up 1 point);
- Guaranteed stop orders on the stated price;
- Low StopLevel (no more than spread);
- The lack or low level FreezeLevel (0-2 points);
- Lack of or very rare requotes.

Not all brokers satisfy these conditions. In any case, I recommend not to keep all funds to One broker, a prorate on several accounts in different Brokers.

When you select the currency pairs to trade should be guided by their spreads during the night and on perceived risks.

Optimal spreads to trade and their maximum value in the pre-EA (MaxSpreadOpenValue) the following:

EURGBP – 3..4 (5);

EURCHF – 3..4 (5);

GBPCHE – 5..6 (7);

EURCAD – 6..7 (8);

GBPCAD – 6..7 (8);

CADCHF – 5..6 (7).

Complete with an adviser are set with two types of risk. For minimal risk «low» given settings for the 3 currency pairs EURGBP, EURCAD and GBPCAD with values LotsPercent and MaxLotsPercent 10/10, 17/17 and 17/17, respectively. The difference in values is due to LotsPercent different price points currency pairs. For medium-risk «mid» using 2 currency pairs and EURCAD GBPCAD with increased values LotsPercent and MaxLotsPercent 35/35. When you select a medium risk «mid» to be pay attention to the Adviser calculated the maximum possible value of the lot as a% of that

deposit, which he defines initialization. Size LotsPercent and MaxLotsPercent should not be for each couple more this value divided by the number of pairs used for trade.

The minimum deposit for trading is calculated as the product of minimum possible lots LotsPercent value for the pair EURGBP. At the micro-accounts with a minimum lot 0,01 (\$10), the minimum Equals $(\$10 * 100\%) / 10\% = \100 for medium risk $(10\$ * 100\%) / 15\% = \66 . When you trade through the dollar mode CrossOverMode minimum deposit to be twice as calculated for correct billing volume orders on dollar pairs.

Installation Advisor

Here is a general algorithm for installation adviser, and two examples are considered.

If you are running Windows Vista or Windows 7, the terminal Metatrader4 for reliable operation Councillor better to install on drive D computer or on your C drive in folder "Shared Documents". Need it to ensure that the system did not block the recording files to disk adviser.

Before the first set to open graphics window quotes ("Market"), right-click mouse and select "show all characters", you need this order to the terminal uploaded all possible instruments, including the necessary adviser currency pairs.

- 1) Copy the file in a directory gmtstdHH.csv experts/files/ and tester/files/.
- 2) For a real account key is generated automatically when moving adviser to the chart. Prior to this, your trading account should be registered in one of the brokers and activated in the database on the site.
- 3) Copy the file into a directory euronis_lib.dll experts/libraries/.
- 4) Copy the configuration files *.set of folders «settings» archive to experts/presets/ and tester/.
- 5) Copy Adviser euronis_v5400.ex4 directory experts/.
- 6) The following table lists the recommended modes adviser for each pair (Normal - CrossNormalMode or CrossOver - CrossOverMode) for each broker. Operating modes are selected by Based on measurements of spreads (see spreads.xls file in the archive). Values are given for three modes of working pairs.

Name Brokers	Account	eurgbp	eurcad	gbpcad
Alpari	micro	CrossOver	CrossOver	CrossOver
	classic			
	NDD			
Broco		CrossOver	CrossOver	CrossOver
Exness		CrossOver	CrossOver	CrossOver
FIBO		CrossOver	CrossOver	CrossOver*
Forex.com		CrossOver	Normal	Normal
FX-Trend		Normal	Normal	Normal
FXDD	MTXtreme	CrossOver	CrossOver	CrossOver
FXOpen	micro	CrossOver	CrossOver	-
	ECN	Normal	Normal	-
FXPro		CrossOver	CrossOver	CrossOver
HotForex	standard	CrossOver	CrossOver	CrossOver
IkonFX	matrix	CrossOver	CrossOver	CrossOver
InstaForex		CrossOver	CrossOver	CrossOver
LiteForex		CrossOver	CrossOver	CrossOver

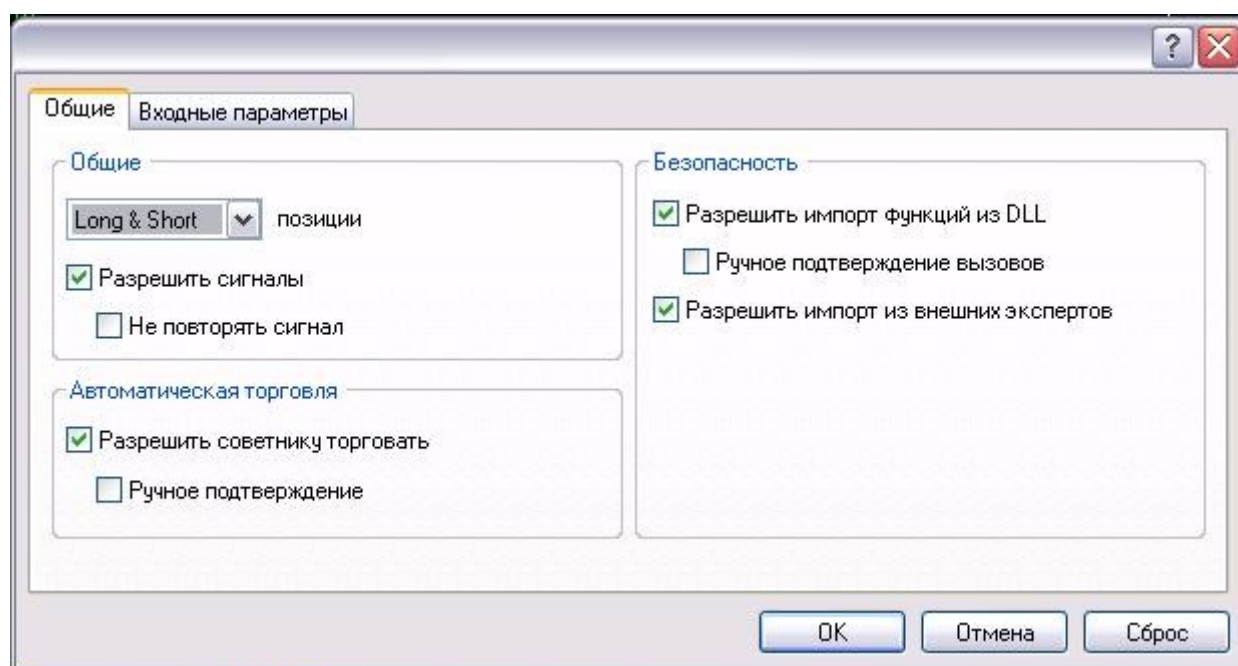
MasterForex		CrossOver	CrossOver	CrossOver*
NordFX	micro	CrossOver	Normal	Normal
	standard	Normal	Normal	Normal
	ECN	CrossOver	CrossOver	CrossOver
RoboForex	cent-pro	CrossOver	CrossOver	CrossOver
	standard-pro			

CrossOver * - means that you can trade on this currency pair, but we need to further increase the maximum spread for opening orders, ie set the MaxSpreadOpenValue = 10.

When selecting options with minimal risk should use all three pairs. For medium risk using two pairs of EURCAD and GBPCAD, and if the latter is not recommended use because of high spreads, then will be given options for couples EURGBP instead GBPCAD.

Councilor itself determines the mode of operation depending on whether you are on a schedule it was postponed. For CrossNormalMode be placed adviser to the chart, open the menu "File-> New schedule". For CrossOverMode must first start the adviser on the currency pair EURUSD M15, in Advisor settings to specify the necessary cross-pairs for which will be constructed synthetic graphs of these couples to wait until open synthetic graphic cross-rates and put the desired schedule advisor. If the graphics are not opened for some reason or you accidentally close them, then their You can always open the menu "File-> Open Offline", the format name of graphs "cr <name cross-pair>".

Thus, the opening graphics M15, couples who meet the Title settings selected Broker and selected trade regime. Portable advisor on these graphs. In the resulting window on the General tab, make sure that the options are selected according to the picture. Next tab "Inputs" click "open" and load the settings for a given currency pair. In this time you can change the language of comments: Language = rus (default) - in Russian, Language = eng - English.



Following the transfer counselor at the graph, it is initialized, calculates the time difference with the terminal GMT and examines the key file. On all actions adviser can be observed in information commentary on the graphs.

5) Check the operating time counselor in the comment line "Trading Time SET (MSK-2)" - should be the central European SET equal always Moscow minus 2 hours. If so, then you're all right done.

6) After installation, you must reboot the terminal.

Adviser to the recommended settings sells four nights a week for 2 hours from 2.22 to 0.00 for the SET (with 0.02 to 2.00 in Moscow). The timing is 2 minutes later to ensure accurate matching of time a new bar and the terminal time.

WARNING! In the MarketInfoMode Advisor works in cycled mode, ie every 300ms check quotations dollar pairs. In this mode, the lower information line comments Advisor displays the average processing time computer program. It must be from 300 to 350 ms. If you see that it is much more reason for this may be a lack of computer resources.

WARNING! In the MarketInfoMode, to change the configuration advisor to prohibit work Advisers (button "Advisors"), only then will be available to the expert inputs for changes.

WARNING! In the MarketInfoMode Advisor loads quotes history of lower timeframes for build synthetic graphs that can take a long time.

WARNING! After changing the account settings or adviser must be overloaded terminal.

WARNING! In the CrossOverMode (trade through the dollar) is recommended to include a terminal for 2-3 hours before the trading time to adviser was able to form a synthetic history on Based on dollar quotes.

WARNING! Until the Advisor did not close all the orders can not be shut down the terminal! Sometimes, because of the requotes - server fails to install orders, or because of employment of the trade flow between the terminal and the server, the adviser puts order to repeat the opening. After that, it checks whether perfected Profiles and went a maximum waiting time repeat orders (1 hour). Therefore, the terminal desirable to turn off an hour later the end of trading time (for standard setting is at 1.00 on SET or 3.00 GMT). You can never turn off the advisor, he knows when to start and when complete the trade.

WARNING! In the EA provides for compensation for additional fees for opening/closing orders (it happens mostly on ECN accounts for currency pairs and futures). Also Adviser able to draw an additional line of «Ask plus commission» (ShowCommissionLevel = true). Determine Commission is possible only with open or closed orders for those couples for whom she provided, since the terminal does not provide such information. If the trade is conducted only on currency instruments, then UseAutoFXCommission = true, enough to have one advisor in order commerce or in the history of orders to determine and calculate the commission offices. Know the size of Commission is important not only for trade but also in the mode of measuring spreads (MarketInfoMode = true and ShowSpreads = true), to properly assess the possibility of trade. Some brokers size

committee for the currency pairs is not a fixed value in USD, and quantity depending on the price of the item currency pair. In this case, you must install UseAutoFXCommission = false.

Consider the examples of installation Adviser:

Example 1: The broker NordFX, account type of "micro" settings «low base»

1...5) Perform steps 1 ... 5 (see above), copy all necessary files in the terminal. If a real trading account, then the key will automatically be created (For a real account key is generated automatically when moving adviser to the chart. Prior to this, your trading account should be registered in one of the brokers and activated in the database on the site.). These operations should be switched off the terminal.

6) Open the window "Market Watch»(« Market Watch »), press the right mouse button on this window to continue "show all characters".

7) Start the terminal and set up a counselor. For setting low base it is recommended to trade at three currency pairs EURGBP, EURCAD, GBPCAD. According to the table of recommended modes of Counsel (see above) that the trade regimes for the broker and the type of account:

Name Broker	Account	eurgbp	eurcad	gbpcad
NordFX	Micro	CrossOver	Normal	Normal

Thus, we need to set modes for EURGBP - CrossOverMode, and for EURCAD and GBPCAD - CrossNormalMode.

Set Advisor to trade on the EURGBP pair mode CrossOverMode. For the formation of synthetic graphics EURGBP, open the menu "File-> New Chart" currency pair chart EURUSD M15. Portable adviser to the chart. On the General tab, set the parameter trade according to the picture above. The tab "Inputs" assign to the variable TradingPair1 = EUR/GBP. Variable values TradingPair2 ... 8 is better to make empty, to the adviser does not spent time on the formation of synthetic graphs of other cross pairs. Click "OK" and after initialization, the adviser will switch automatically opens MarketInfoMode and synthetic schedule of cross-pair crEURGBP M15. Next, transfer the advisor on this schedule on the General tab establish the parameters of trade as well as earlier in the tab "Inputs" push "Download" button and select the settings file «eurgbp_low_base.set». Adviser is automatically returns to the CrossOverMode and will wait for the permission of advisers (the button "Advisors").

Set Advisor to trade on the pair and EURCAD GBPCAD mode CrossNormalMode. For this open through the menu "File-> New Chart" currency pair chart EURCAD M15 and GBPCAD M15. Portable advisers at the charts. On the General tab should be set options trading according to, as well as above the figure on the tab "Input settings" push the button "Upload" and select the appropriate data pairs of the configuration files «eurcad_low_base.set» and «Gbp cad_low_base.set». After you download and initialization Advisor automatically returns to the CrossNormalMode and will wait for the permission of advisers (the button "Advisors").

8) Push the button "Advisors" (work permit), wait until loaded advisors on all cylinders and appears in the comments "Initialization completed - the license is OK.

9) Should run only when the advisor! Turn off the button "Advisors" (prohibit work) and overload the terminal. It is necessary to correctly save all made in terminal changes.

EA is ready to work!

Example 2: Broker Alpari, account type of "micro" settings «low base»

1...5) Perform steps 1 ... 5 (see above), copy all necessary files in the terminal. If a real trading account, then the key will automatically be created (For a real account key is generated automatically when moving adviser to the chart. Prior to this, your trading account should be registered in one of the brokers and activated in the database on the site.). These operations should be switched off the terminal.

6) Open the window "Market Watch»(« Market Watch »), press the right mouse button on this window to continue "show all characters".

7) Start the terminal and set up a counselor. For setting low base it is recommended to trade at three currency pairs EURGBP, EURCAD, GBPCAD. According to the table of recommended modes of Counsel (see above) that the trade regimes for the broker and the type of account:

Name Broker	Account	eurgbp	eurcad	gbpcad
Alpari	Micro	CrossOver	CrossOver	CrossOver

Thus, we need to set modes for CrossOverMode for all three currency pairs: EURGBP, EURCAD and GBPCAD.

For the formation of synthetic graphs EURGBP, EURCAD and GBPCAD, open the menu "File-> The new schedule" chart of the currency pair EURUSD M15. Portable adviser to the chart. Tab "General" should set the parameters of trade according to the picture above. On the tab "Input options" assigned to a variable defining synthetic currency pair TradingPair1 = EUR / GBP, TradingPair2 = EUR/CAD, TradingPair3 = GBP/CAD. Variable values TradingPair4 ... 8 more to do empty, so that the adviser does not spend time on the formation of synthetic graphs of other cross pairs. Click "OK" and, after initialization, the adviser will switch MarketInfoMode and automatically opens synthetic graphics cross pairs crEURGBP M15, crEURCAD M15 and crGBPCAD M15. Next portable advisor on these graphs, on the General tab, set the parameters of the trade as well as earlier in the tab "Inputs" push the button "Upload" and select the appropriate data pairs of the configuration files «eurgbp_low_base.set», «eurcad_low_base.set» and «gbpcad_low_base.set». After you download and initialization Advisor automatically returns to the CrossOverMode and wait permission of advisers (the button "Advisors").

8) Push the button "Advisors" (work permit), wait until loaded advisors on all cylinders and appears in the comments "Initialization completed - the license is OK.

9) should run only when the advisor! Turn off the button "Advisors" (prohibit work) and overload the terminal. It is necessary to correctly save all made in terminal changes.

EA is ready to work!

Description of the report for testing/optimizing formed Advisor

The report file has the name TestReport <Abbreviation broker> <Account> _ <Currency pair> <magic number>. csv and formed by the program during testing or optimization - in directory "...\\MetaTrader\\tester\\files\\". The column headings include the following information:

№ - pass

ValProfitTotal/ PntProfitTotal/ TrdTotal – end balance of foreign currency/items/transactions

ValNetProfit/ PntNetProfit/ TrdNetProfit - profits in the currency/items/transactions

ValNetLoss/ PntNetLoss/ TrdNetLoss - a loss of currency/items/transactions

ValProfitFactor/ PntProfitFactor/ TrdProfitFactor – profits in the currency/items/transactions

ValAverProfit/ PntAverProfit - average profits of one deal in foreign currency/points

ValAverLoss/ PntAverLoss – an average loss of one transaction in the currency/points

TrdProfitPercent – winning percentage trades

TrdLossPercent – the percentage of losing trades

TrdSLNumber – number of warrants closed at StopLoss

TrdTPNumber - number of warrants closed at TakeProfit

TrdHNumber - count warrants closed manually

Description of the report formed the Trade Advisor

The report file has the name TradeReport <Abbreviation broker> <Account> _ <Currency pair> <magic number>. csv and formed by the program when trading in the directory "...\\MetaTrader\\experts\\files\\" and when testing or optimization - in the directory "...\\MetaTrader\\tester\\files\\". The column headings include the following:

Ticket – a unique serial number order.

Type – type of order (buy or sell).

Size – the size of the lot, in parentheses - the percentage of the deposit / percentage of the maximum variable recorded balance MaxBalance.

Item – the currency pair.

Open и Close – options for opening and closing of orders:

Time – the time of opening and closing orders.

Delay – delay in opening/closing warrants broker in ms, in brackets - in view of the delay program execution from the time of quotation, in this parameter can be judged as quickly broker opens and closes the order, as well as the speed of the system.

Price – the price of opening/closing orders.

Trial – the number of attempts to open/close the warrant.

Slippage – slippage when opening/closing orders in points, to close the value can also take the following values: TP - closing on TakeProfit, SL - closing on StopLoss, iSL - closing on the "invisible" level StopLoss, N - Order is closed manually.

Spread(Diff) – spread by opening/closing, the brackets - the difference between the current spread of pre-spread (for the EURCHF and EURGBP is 3 points).

ProfitP – profit orders in points.

Profit\$ – profit orders in the deposit currency.

Profit% – profit warrant a percentage of the deposit.

LifeTime – time interval in seconds between the opening and closing orders.

Balance – the current account balance.

MaxBalance – the current value of the maximum recorded balance.

Expert – the name of advisor.

Setting up to send reports to e-mail or SMS

Counselor has the opportunity to daily at the time to straighten the report on trading in mobile phone via SMS. To do this you need to enable and configure the administration mail program settings tab in the MetaTrader Mail and connect to the appropriate service at your cellular operator (name of type «e-mail to SMS») and received by connecting address e-mail copied to the To field in the settings of mail MetaTrader. SMTP login (sender) can be arbitrary, for example, the address of your existing e-mail (it happens that the cellular operators block letters sent to some domains - this should be clarified at registration services).

The screenshot shows the 'Настройки' (Settings) window with the 'Почта' (Mail) tab selected. The settings are as follows:

- ☒ Разрешить (Allow)
- Сервер SMTP: smtp.list.ru:25
- SMTP логин: fxexpert@list.ru
- SMTP пароль: [masked]
- От кого: fxexpert@list.ru
- Кому: [masked]@mailsms.mobicomk.ru
- Тест (Test) button
- Buttons at the bottom: OK, Отмена (Cancel), Справка (Help)

The report is sent daily at the MailReportTimeHour time. Message Format following:

<Short name broker>
 <Account number>
 <Date and time of SET>
 <Current Account Balance>
 <Profit on open orders (if any) in the deposit currency>
 <Profit on open orders (if any) in%>
 <Profit for the day in the deposit currency>
 <Earnings per day in%>

If at the time of posting was discovered a warrant, after its closure is formed additional message. If more than one adviser within a single terminal, recommended to set the value MailReportTimeHour only configure one adviser.