

Martex – Forex Expert Advisor

Version 2. January 2017.

Martex («martingale» and «Forex») – universal automatic Forex Expert Advisor on martingale strategy. Trade only market orders. No pending orders.

EA **Martex** is suitable for both novice and experienced traders, it is designed to work on a real account and in strategy tester the MT4.

Key advantages Martex EA:

- possible martingale for orders opened by a trader manually and even if «lock»;
- two styles martingale on choose (Classic and Aggressive);
- two strategies martingale on choose, on the different indicators;
- it is possible to work with the martingale only initial volume of the lot (without increasing the volume next lots);
- it can operate without martingale as a ordinary Expert Adviser;
- stop loss can be disabled;
- it has separate indicators for the opening of trading positions and martingale;
- it has two timeframe separate for trade and separately for martingale;
- you can set your level drawdown after which the EA to suspend its work and will wait for the decrease of drawdown;
- you can set your Stop Out level at which the EA will automatically close all open positions;
- is the usual trailing stop and breakeven;
- to close a series of orders by martingale, you can use the command "Close profit on the bar", which protect your profits and close all orders when change direction price;
- single orders are closed by Take Profit, and series of open orders on martingale by the percentage profit from the Balance;
- you can limit the number of open orders for martingale;
- there are "hot keys" that can be used to close all open positions in the terminal;
- Martex EA to work on the dollar accounts (USD) and the ruble accounts (RUR);
- you can trade on cent accounts with our brokers InstaForex and RoboForex;
- it works on accounts with the quotation 4 and 5 decimal places.

Hot keys

Shift + 0 – closes absolutely all trades opened in the terminal.

To do it, you need to place the cursor over the price chart, where the Expert Advisor is running, click on the chart with the left mouse button (select the chart) and then press “Shift” and “0” buttons in sequence. After doing that, all the Expert Advisor will not be allowed to trade in the terminal.

To allow the Expert Advisor to trade, press “Shift” and “0” buttons again.

Top info panel:



Close on M30 – tool closing a series of open orders with the profit on the bar M30 (30 minutes) – it works similar to trailing stop only to watch not for points, and over bars. If the configuration of bars on the selected timeframe M30 to change dramatically, then the EA will close all orders;

235 — magic number EA;

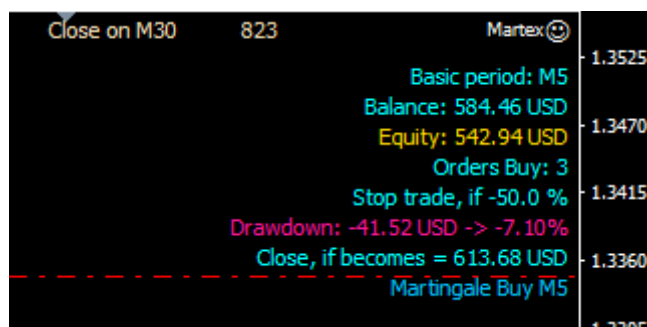
Basic period: M5 – the main timeframe on which the EA trades;

Balance = 199.49 – the current level of the account Balance in account currency;

Equity = 199.49 – the current level of Equity account in the account currency;

Stop trade, if -50.0 % – shows the level of installed drawdown in percent, upon reaching which the EA will suspend its work and will no longer open orders until all items are closed or drawdown is not reduced;

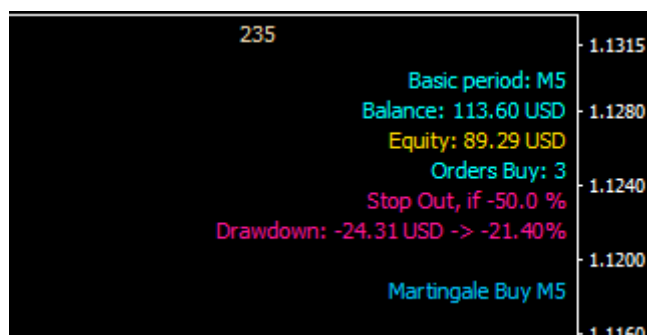
Profit: 0.00 USD → 0.00% (or Drawdown:) – shows the current profit or drawdown on the account in the account currency and in percentage of the account Balance.



Orders Buy: 1 (or Orders Sell:) – the number of open orders at the moment and this tool (chart);

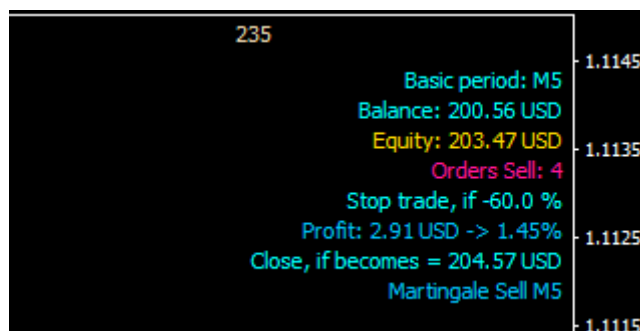
Drawdown: -41.96 USD → -7.18% – the current level of drawdown (loss) on the account;

Close, if becomes = 613.68 USD – the EA shows the calculated value of the Balance plus a set percentage profit, when the account equity reaches this value, in account currency (in this case USD), then the EA will close all orders.



Stop Out, if -50.0 % – this message appears when the drawdown limit and in this regard, the adviser has suspended its work and warn the trader that if the drawdown will continue to grow, while -50.0 % (the level set, Stop Out), the EA will close all open positions. A trader can either increase the magnitude of the drawdown or to fund your account with additional funds.

Martingale Sell M5 – martingale of orders for Sell, timeframe for orders for martingale M5 - 5 minute chart.



Orders Sell: 4 – the label is red, it means that the EA opens maximum number of orders. And while these

orders is not closed, the EA will no longer open other.



0 is set – the inscription is red, it means that EA magic number 0.

Important: if the magic number is set to **0**, the Expert Advisor will not work and open orders by itself and will manage and track orders opened by a trader manually. And to use martingale strategy to these orders if required.

Lock! All orders: 2 – the inscription only appears when the magic number = 0 and there are open orders in the opposite direction.

EXTERNAL VARIABLES

The external variables used in [Martex](#) are split into 7 blocks for the sake of ease of use:

Block 1 «GENERAL SETTINGS»

Block 2 «RISK MANAGEMENT»

Block 3 «INDICATORS FOR TRADING»

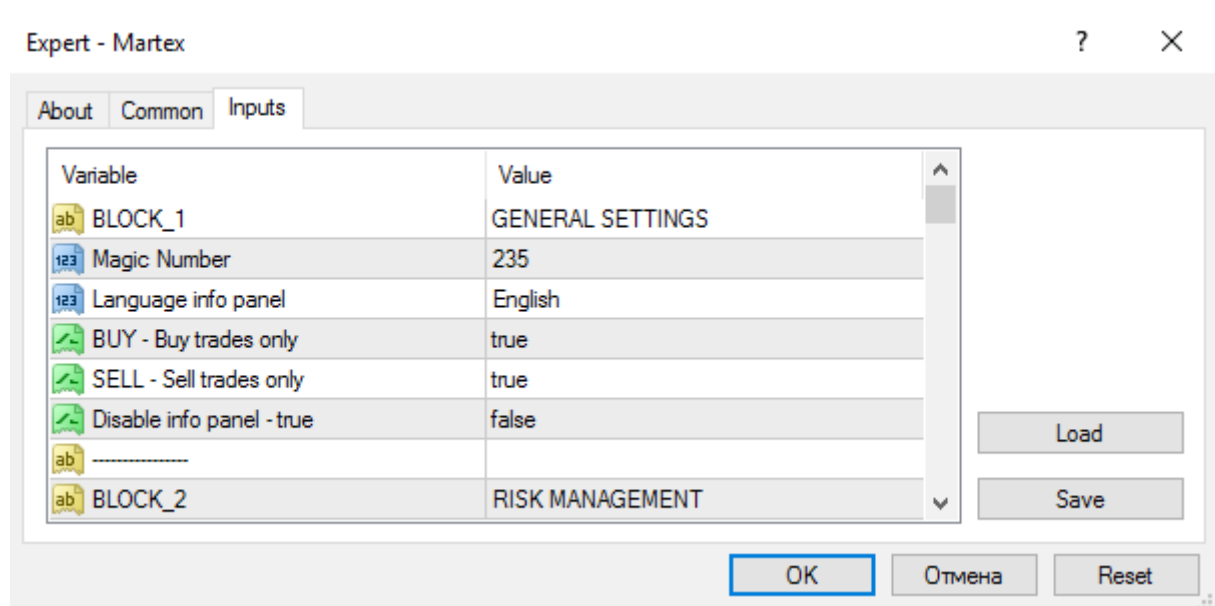
Block 4 «TRAILING STOP AND BREAK EVEN»

Block 5 «MARTINGALE PARAMETERS»

Block 6 «MARTINGALE INDICATORS»

Block 7 «WORK FRIDAY»

Block 1. GENERAL SETTINGS



Magic Number = 235 – if you plan to use several [Martex](#) Expert Advisors on one account simultaneously, set an individual magic number for each Expert Advisor. In that case you'll get several Expert Advisors operating based on various strategies, simultaneously and on various instruments and

thereby not conflicting with each other. The magic number will be displayed on the chart for your convenience and appear in the right corner of the terminal's screen to the left of the Expert Advisor.

You can specify any numbers – two-digit, three-digit, four-digit, etc.

If the magic number is equal to 0, the Expert Advisor will notify you about it by this message: «0 is set».

Important: if the magic number is set to 0, the Expert Advisor will not work and open orders by itself and will manage and track orders opened by a trader manually.

Language info panel English – switch the language on the info panel on the chart can be Russian or English (the tester does not work).

BUY – Buy trades only = true – buy only, false – don't buy;

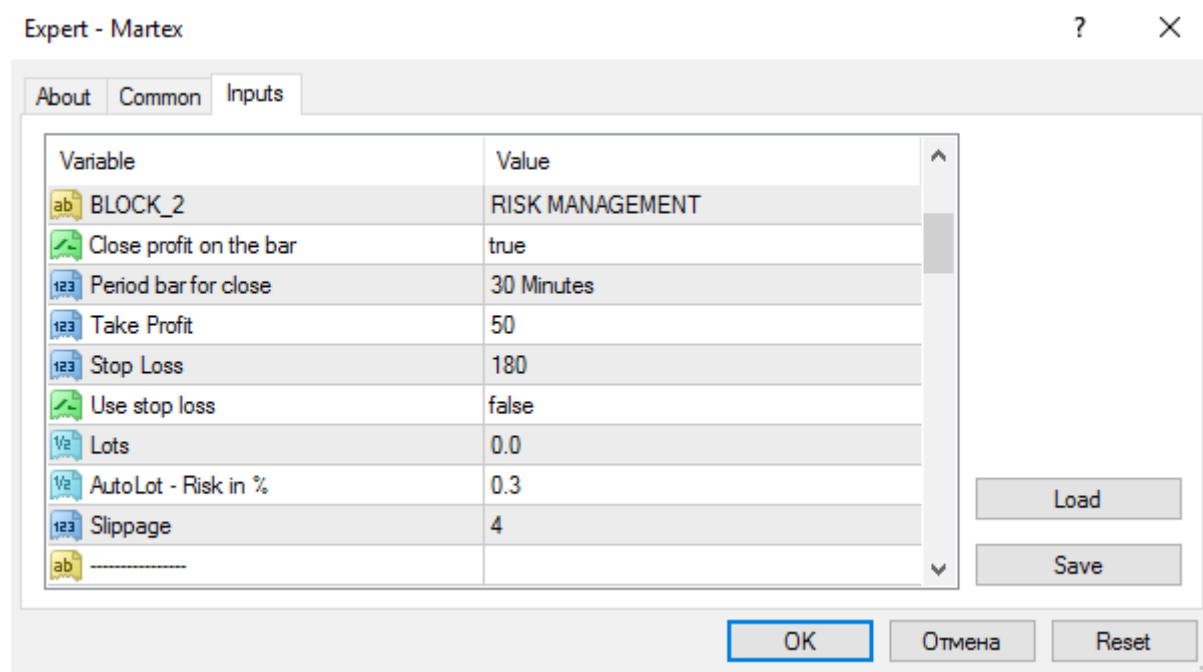
SELL – Sell trades only = true – sell only, false – don't sell;

Important: the choice of the direction of trade not only affects open standard orders, but orders for martingale. For example: if you were allowed to trade only Sell, and forbade Buy, all orders will be open for sale including order martingale, of course with the trading signal is available to the opening.

If you are disabled both areas, the EA can not trade and will warn you by displaying the message on the chart.

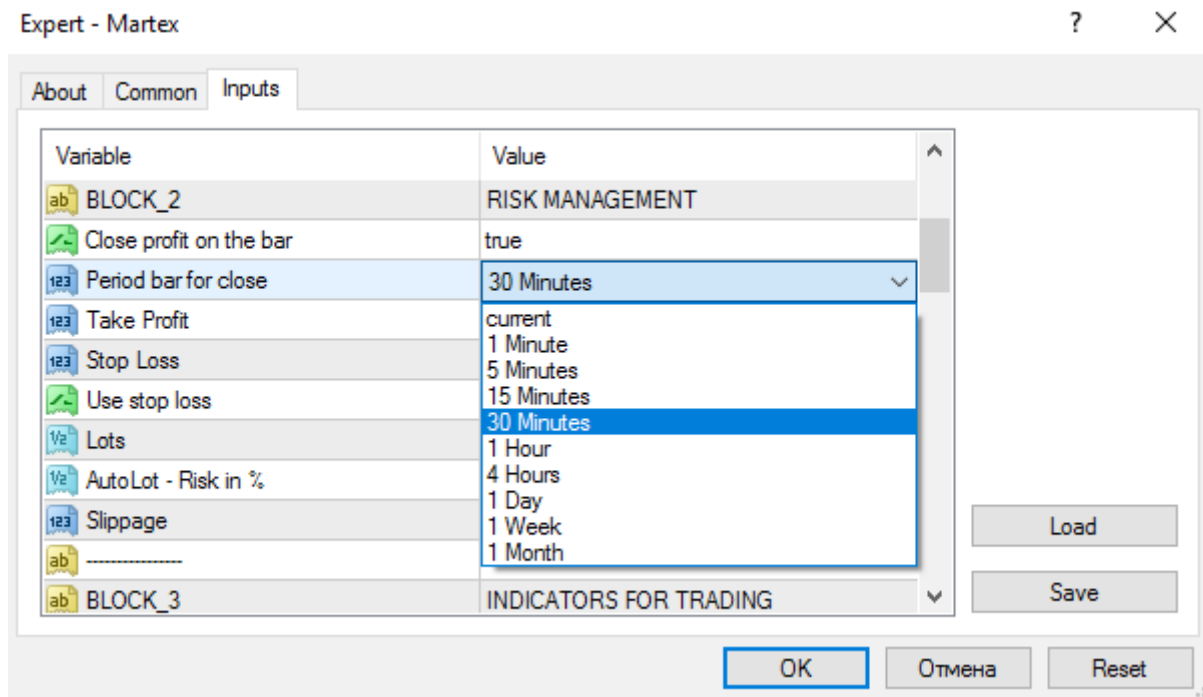
Disable info panel – true = false – if set to true, then all inscriptions on the chart disappear. While testing and optimization Expert Advisor is recommended to turn off the scoreboard. In some cases it allows to speed up the optimization process.

Block 2. RISK MANAGEMENT



Close profit on the bar = true – tool closing a series of open orders with the profit on the bar M30 (30 minutes) – it works similar to trailing stop only to watch not for points, and over bars. If the configuration of bars on the selected timeframe to change dramatically, then the EA will close all orders;

Period bar for close 30 Minutes – the choice of timeframe bar. Select the required timeframe from a drop-down menu using the mouse. If the «current» is selected, then indicators will automatically operate on the timeframe, which is selected in the open window of the terminal at the time;



Take Profit = 50 - take-profit level in points;

Stop Loss = 180 - stop-loss level in points, if stop loss is used with the martingale orders, on stop loss will close only the first (initial) order of the series!

Use stop loss = true – stop-loss is enabled, false - disabled;

Lots = 0.01 - lot volume. It is set manually. If set to 0, the lot volume will be calculated automatically («AutoLot - Risk in % » parameter).

AutoLot - Risk in % = 0.5 - automatic calculation of size lot depends on the level of risk in percent and the size of Free Margin. Designed to calculate only the initial lot (orders with a martingale it does not count);

Slippage = 4 - value of slippage in points; it is better to increase the value up to 5-10 points in the volatile market;

Block 3. INDICATORS FOR TRADING

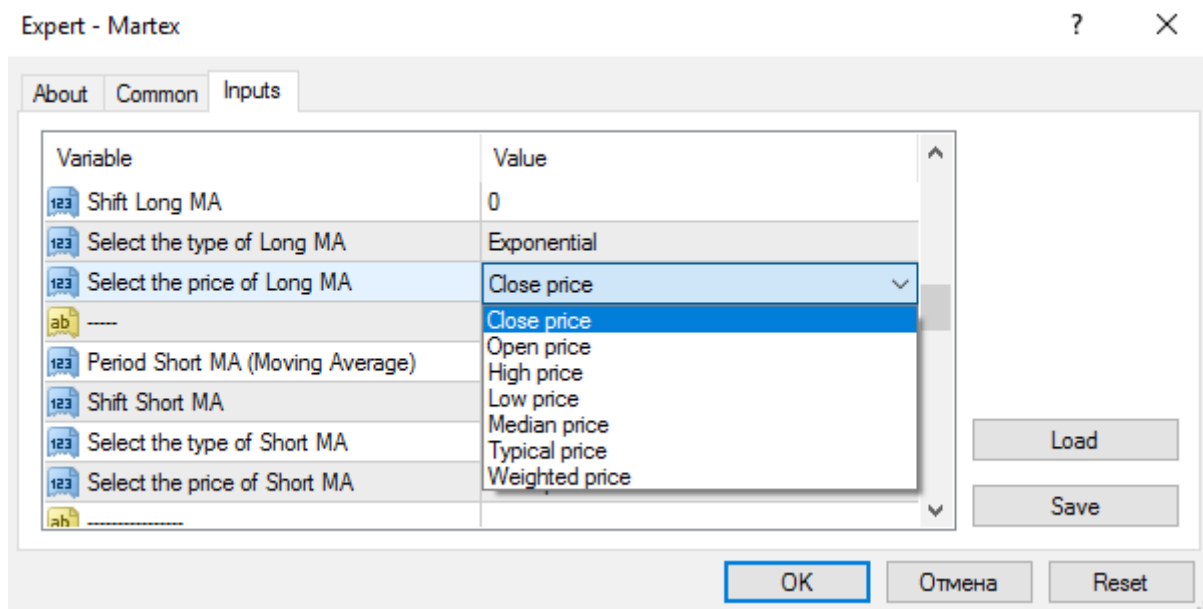
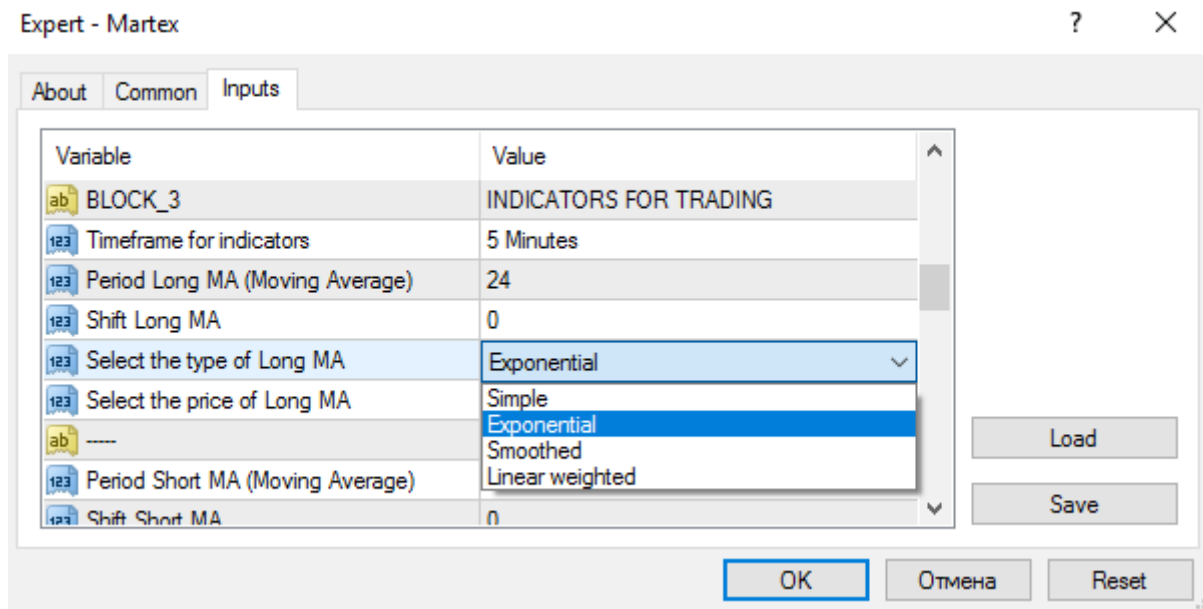
Timeframe for indicators = «5 Minutes» - timeframe indicators for the main trade. Select the required timeframe from a drop-down menu using the mouse. If the «current» is selected, then indicators will automatically operate on the timeframe, which is selected in the open window of the terminal at the time.

Period Long MA (Moving Average) = 24;

Shift Long MA = 0;

Select the type of Long MA = Exponential – select the required type MA from a drop-down menu using the mouse;

Select the price of Long MA = Close price – select the required price from a drop-down menu using the mouse;



Period Short MA (Moving Average) = 11;
Shift Short MA = 0;

Select the type of Short MA = Exponential – select the required type MA from a drop-down menu using the mouse;

Select the price of Short MA = Close price – select the required price from a drop-down menu using the mouse;

To enter the market EA uses the strategy **of crossing two moving averages**.

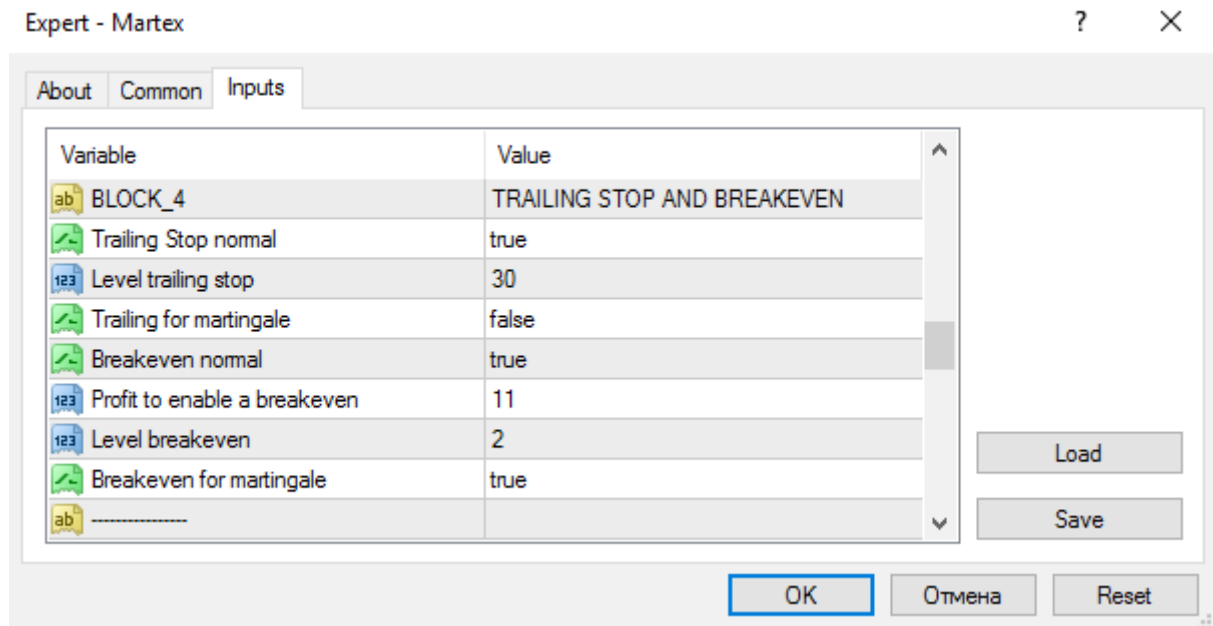
Principle of operation Two Mas:

Buy: if MA Short[2] < MA Long[2] and MA Short[1] > MA Long[1];

Sell: if MA Short[2] > MA Long[2] and MA Short[1] < MA Long[1].

Important: if you will turn off the indicator "Moving Average (MA) for martingale" in block 6 "Indicators martingale", but will remain on the martingale strategy, then the averaging of orders will occur for the signals at the intersection of two MA.

Block 4. TRAILING STOP AND BREAKEVEN



Trailing Stop normal = true – the trailing stop is enabled, false – disabled the trailing stop works only for single orders with no martingale orders;

Level trailing stop = 30 – trailing stop level in points, level one for single orders and for orders with martingales;

Trailing for martingale = false – trailing stop for orders only with martingale;

Breakeven normal = true – only for single orders, breakeven enables a breakeven, if there is a small profit, and trailing has not been enabled yet, the Expert Advisor will move a stop-loss to the level , at which an order has been opened, and close the position, when the stop-loss is triggered;

Profit to enable a breakeven = 11 – level of take-profit in points, at which a breakeven is enabled;

Level breakeven = 2 – sets the level, at which a stop-loss must be moved; if set to 1, then the position will be closed, when the profit is 1 point; if set to 0, then the position will be closed with the profit of 0 points, when a stop-loss is triggered;

Breakeven for martingale = true – breakeven for orders only with martingale;

Block 5. MARTINGALE PARAMETERS

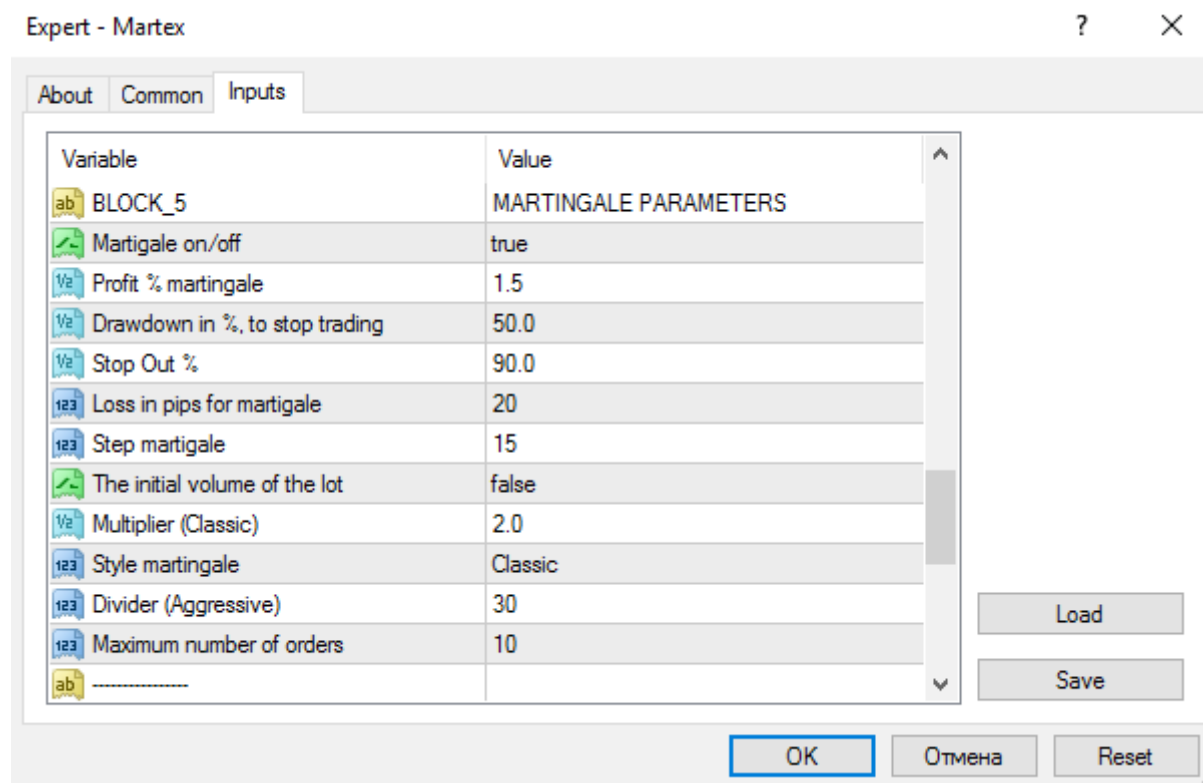
Martingale on/off = true – martingale is enabled, false - off, if off, martingale, the EA will work in normal mode to open a market order, but will not be averaged.

Off this command automatically disables and the team "Moving Average (MA) for martingale" block 6 "Indicators martingale".

Profit % martingale = 1.5 – profit level in percent of the current account Balance, if (by Equity) will reach this level, all orders would be closed.

Drawdown in %, to stop trading = -50 – the level of drawdown (loss) as a percentage of the account Balance, at this level Expert Adviser's work will be suspended and will no longer open new orders if the drawdown to decrease, the EA will continue working and will again open orders;

Stop Out %, close all orders = -90 – level Stop Out, if the drawdown reaches a set value Stop Out, the EA will close all open positions with a loss;

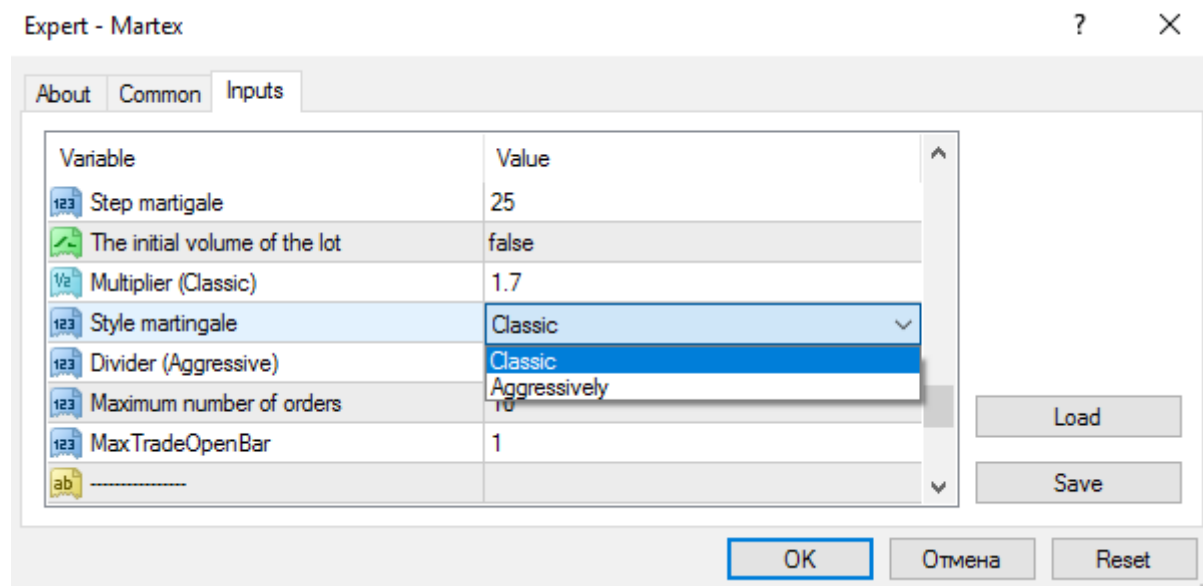


Loss in pips for martingale = 25 – distance from the opening price of initial lot in points, which will work the martingale strategy;

Step martingale = 25 – the distance in points between orders of the martingale;

The initial volume of the lot = false, if = true, the EA will open orders based on martingale with initial lot volume;

Multiplier (Classic) = 1.7 – classic style martingale when subsequent orders increase in volume twice, but you can reduce the risk and use the ratio 1.7;

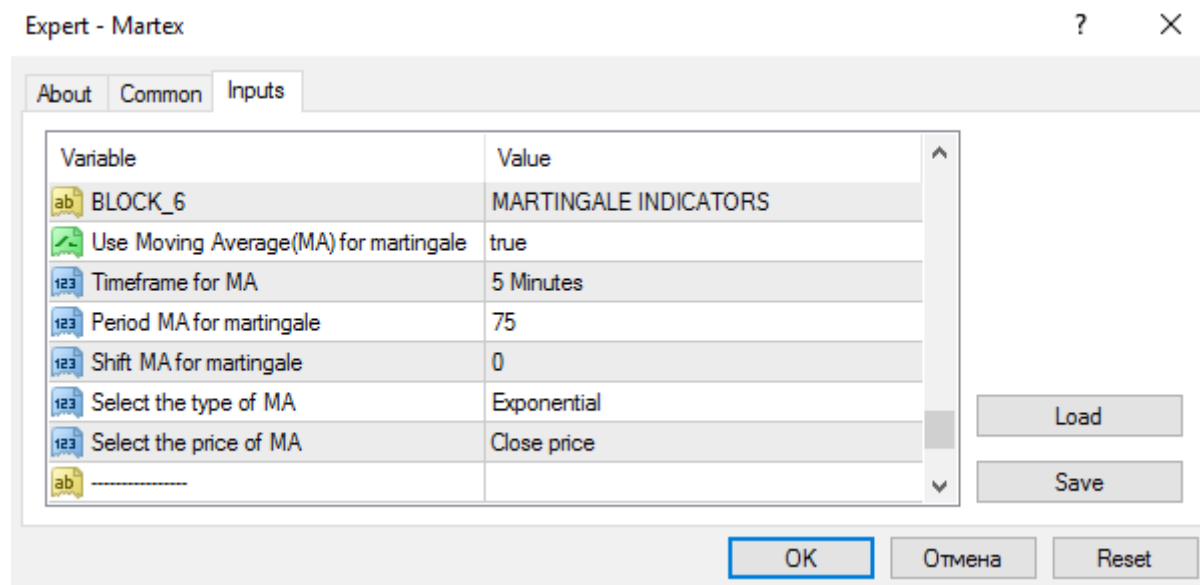


Style martingale Classic – switch martingale style (Classic and Aggressively) select the required style from a drop-down menu using the mouse;

Divider (Aggressively) = 30 – aggressive martingale style, when the lot size of the next order is affected by the amount of the loss on the account. The amount of the loss divided by the Divider and the result is the volume of the following lot. Therefore, the higher the number the Divider of the smaller lot size and less risk and vice versa if you decrease the number of the Divider, then the lot size will be more and EA will quickly get out of the loss, but to increase the risk;

Maximum number of orders = 10 – restrictions on the number of orders open for martingale;

Block 6. MARTINGALE INDICATORS



Use Moving Average(MA) for martingale = true – allows the use of MA martingale, false – MA is not being used;

Timeframe for MA = «5 Minutes» - timeframe for MA martingale. Select the required timeframe from a drop-down menu using the mouse. If the «current» is selected, then will automatically operate on the timeframe, which is selected in the open window of the terminal at the time;

Period MA for martingale = 75;

Shift MA for martingale = 0;

Select the type of MA = Exponential – select the required type MA from a drop-down menu using the mouse;

Select the price of MA = Close price – select the required price from a drop-down menu using the mouse;

For opening the martingale orders is used strategy the **breakout** of a moving average.

Principle of operation one MA

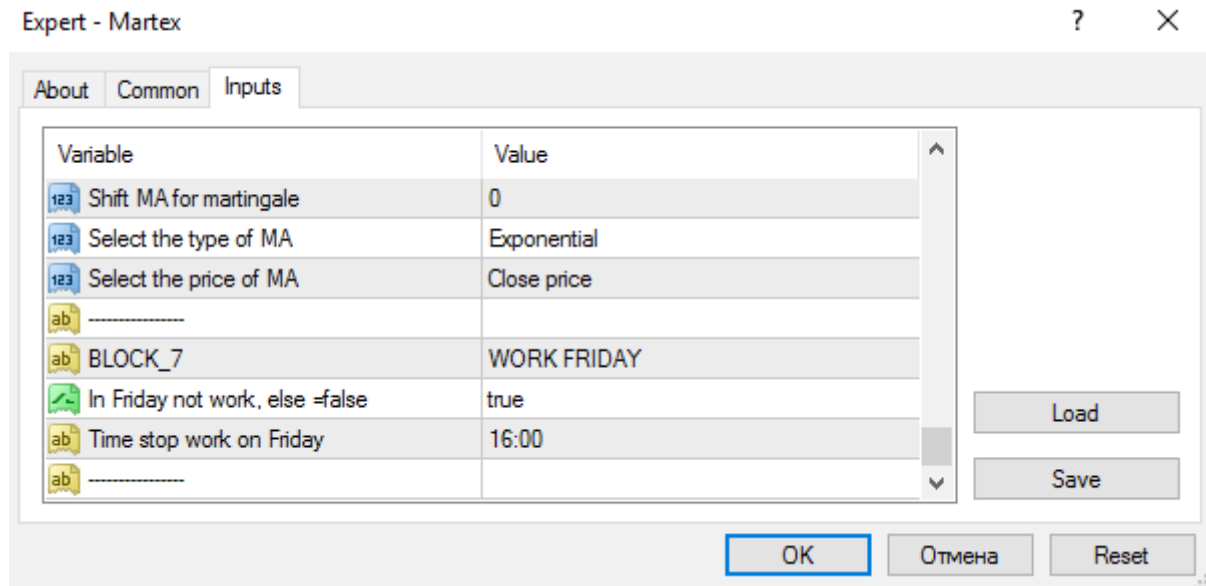
Buy if $\text{Open}[1] < \text{MA}[1]$ and $\text{Close}[1] > \text{MA}[1]$ and $\text{Bid} > \text{MA}[1]$;

Sell if $\text{Open}[1] > \text{MA}[1]$ and $\text{Close}[1] < \text{MA}[1]$ and $\text{Ask} < \text{MA}[1]$.

Block 7. WORK FRIDAY

In Friday not work, else – false = true – the EA will not open new orders including new orders martingale, will continue to monitor the situation on the market and move the stop loss to the trailing stop and the breakeven and close order if we receive the signal to close them. If you want the adviser continued to work on Friday and did not stop, set = false;

Time stop work on Friday = 16:00 – time Friday, when the EA stops to open new orders, from Monday 00:00 the EA will resume its work in normal mode.



Advice: “Experts” tab in Terminal window and the "Journal" tab the MT4 strategy tester can help you understand, how the Expert Advisor operates.

Time	Message
2016.12.13 22:55:33...	2016.11.24 14:45 Martex EURUSD,M5: open #9 sell 0.04 EURUSD at 1.0559 tp: 1.0502 ok
2016.12.13 22:55:33...	2016.11.24 14:05 Martex EURUSD,M5: Closed orders BUY on Bar M15
2016.12.13 22:55:33...	2016.11.24 14:05 Martex EURUSD,M5: close #6 buy 0.04 EURUSD at 1.0624 at price 1.0567
2016.12.13 22:55:33...	2016.11.24 14:05 Martex EURUSD,M5: close #7 buy 0.07 EURUSD at 1.0568 at price 1.0567
2016.12.13 22:55:33...	2016.11.24 14:05 Martex EURUSD,M5: close #8 buy 0.12 EURUSD at 1.0540 at price 1.0567

Time	Message
2016.12.13 22:58:32...	2016.11.28 18:00 Martex EURUSD,M5: open #5 sell 0.04 EURUSD at 1.0581 tp: 1.0524 ok
2016.12.13 22:58:31...	2016.11.28 14:25 Martex EURUSD,M5: Orders closed by profit percent 2 %
2016.12.13 22:58:31...	2016.11.28 14:25 Martex EURUSD,M5: close #2 sell 0.04 EURUSD at 1.0550 at price 1.0591
2016.12.13 22:58:31...	2016.11.28 14:25 Martex EURUSD,M5: close #3 sell 0.07 EURUSD at 1.0583 at price 1.0591
2016.12.13 22:58:31...	2016.11.28 14:25 Martex EURUSD,M5: close #4 sell 0.12 EURUSD at 1.0645 at price 1.0591