

McDuckEA – Forex Expert Advisor

Version 4. November, 2020.

McDuckEA (McDuck) – an EA with a martingale strategy, works on MA or without indicators, and can lock unprofitable orders. McDuck EA can averaged not only their orders, but other orders opened by another EA or opened by the trader manually. To do this, simply set in EA the magic number -1 (minus one). The EA is designed to work with an initial deposit of \$ 1000-1500.

Features McDuckEA

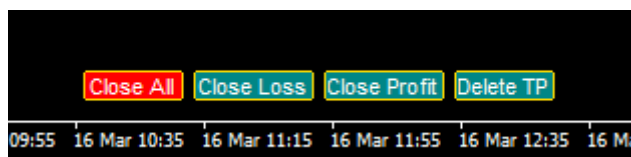
- two trading modes: one moving average or no indicators;
- selection of lots: standard, economical and same;
- locking unprofitable orders (the setting of the "lock");
- can average other, "not their" orders including those opened by the trader manually;
- control over the use of Free margin, in case of excess - stop trading;
- common and standard stop loss;
- trailing stop - total and normal;
- limit on the number of open orders;
- restriction on the total lot size of all open orders of one direction;
- hot buttons to quickly close all open positions on a currency pair;
- works on both dollar (USD) and ruble accounts (RUR);
- works on accounts with quotes of 4 and 5 decimal places and on cent accounts.

Importantly!

Before starting the EA on a real account, first optimize it in the MT4 strategy tester on historical data of your broker. How to optimize the EA see here <https://www.mql5.com/en/articles/1385>
The optimization can take a long time to a few hours! A particularly long time the optimization pass on accounts with a 5-digit quote!

Hot buttons

Hot buttons are designed for quick execution of one command. After pressing the button, its color changes, and the button is blocking, when pressed again, removed the blocking and leads to the original state of the button. Any press of the button EA fixes in its log, you can see the current position of the button on the tab "Experts". You can also unblock the button using the new initialization of the EA (for example, switching to another timeframe). In this case, you do not need to press anything, the blocking is removed automatically.



Close All – closes absolutely all open orders on the current currency pair and removes all pending orders regardless of the magic number.

Close Loss – closes only orders with loss on the current currency pair.

Close Profit – closes only orders with profit on the current currency pair.

External variables

Block 1 «GENERAL SETTINGS»

Block 2 «MARTINGALE PARAMETERS»

Block 3 «MOVING AVERAGE»

Block 4 «TRAILING STOP»

Block 5 «OTHER SETTINGS»

Block 1. GENERAL SETTINGS

Expert - McDuckEA

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The screenshot shows the 'Inputs' tab of the McDuckEA Expert Advisor settings window. It contains a table of variables and their values, along with 'Load', 'Save', 'OK', 'Отмена', and 'Reset' buttons.

Variable	Value
1. GENERAL SETTINGS	
Allow opening new orders	true
Magic number (automatic)	0
Positions: >	Long & Short
Working timeframe: >	5 Minutes
Use MA (Moving Average)	false
Limit of orders by step	1
Initial lot in the series	0.01
Take Profit for one order	8.0
Minimal profit for martingale	3.0
Stop Loss	0.0
Use a common stop loss	false
Stop work by time	false
Start of shutdown	15:00
End of shutdown	16:00
Slippage	3

Allow opening new orders = true, if you select false, then the adviser will no longer open new orders.

Magic Number (automatic) = 0 - allows you to specify the EA, which orders (with which magic number) it needs to track. If the magic number = 0, the EA automatically creates the original magic number, which will differ depending on the currency pair and the timeframe on which it is set. Instead of zero, you can set your magic number. If the magic number is set to -1, the EA will average not only its orders, but also all other orders for this currency pair, including those opened manually by the trader.

Positions:

- **Long only** - open and trawl only buy orders;
- **Short only** - open and trail only sell orders;
- **Long & Short** - for orders of all directions.

This close-up shows the 'Positions' dropdown menu with the following options: Long only, Short only, and Long & Short (which is currently selected).

Magic number (automatic)	0
Positions: >	Long & Short
Working timeframe: >	Long only
Use MA (Moving Average)	Short only
Limit of orders by step	Long & Short
	1

Working timeframe: = M5 - - selecting the timeframe for opening the first order and for subsequent orders with averaging. Use the mouse to select the desired timeframe from the drop-down menu. If you select "current", the indicators will automatically be adjusted for the period of the chart, which is currently set in the open terminal window.

Positions: >	Long & Short
Working timeframe: >	5 Minutes
Use MA (Moving Average)	current
Limit of orders by step	1 Minute
Initial lot in the series	5 Minutes
Take Profit for one order	15 Minutes
Minimal profit for martingale	30 Minutes
Stop Loss	1 Hour
Use a common stop loss	4 Hours
Stop work by time	1 Day
	1 Week
	1 Month
	false

Use MA (Moving Average) = true - the MA indicator is used both for opening the first order and for opening martingale orders.

Limit of orders by step = 1 - limit on the number of first martingale orders that only take into account the size of the step between orders and do not take into account trading signals. After reaching the limit, new orders will be opened based on trading signals and taking into account the size of the step between orders.

Initial lot in the series = 0.01 - the volume of the first lot in the series.

Take Profit for one order = 10.0 - the size of the take profit if open only one order.

Minimal profit for martingale = 5.0 - take profit level for quick closing martingale orders.

Stop Loss = 0.

Use a common stop loss = false - if true, then the stop loss for all orders will be at the same level, set by on the first order.

Stop work by time = false - the EA stops working for a while (at the time of news release), during this period the EA will not open new orders.

Start of shutdown = 15 : 00 - the start stop time can be set in hours and minutes.

End of shutdown = 16 : 00 - you can set the end time of the work break in hours and minutes.

Slippage = 3 - the level of slippage in points on the volatile market it is better to increase.

Block 2. MARTINGALE PARAMETERS

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Variable	Value
ab ____2. MARTINGALE PARAMETERS____	
123 Lots for martingale:	Standard
1/2 Multiplier	1.5
1/2 Step between orders	3.0
1/2 Free margin limit in percent	20.0
Allow lock	false
123 Maximum number of open orders	30
1/2 Maximum amount of lots	100.0

Load Save

OK Отмена Reset

Lots for martingale:

- **Standard** - regular, standard lots with multiplication of the previous lot by a multiplier;

- **Economical** - the method of Economic lots: 0.01 = 3, 0.02 = 3, 0.03 = 2, 0.05 = 2, 0.08 = 2, and subsequent orders are increased by a multiplier, as usual;
- **Same** - the volume of all lots is equal to the volume of the first order's lot.

2. MARTINGALE PARAMETRS	
Lots for martingale:	Standard
Multiplier	Standard
Step between orders	Economical
Free margin limit in percent	Same
	20.0

Multiplier = 1.5 - martingale coefficient, the increase in the lot volume of the subsequent order by a given coefficient. If the multiplier = 1.0, then the EA will place orders only with a lot equal to the lot volume of the first order.

Step between orders = 2.0 - step (distance) in points between martingale orders.

Free margin limit in percent = 20 - the percentage limit on the use of Free margin after which the EA will no longer open new orders, but all other functions of the EA will continue to work.

You can use this indicator to control how much free margin is left to open new orders. If the percentage of free margin is 20 %, it means that the account still has 20% of the free margin from Equity, i.e. 80 % of your funds are in the margin and you should think about adding additional funds to your account.

Allow lock = false - if true locking of unprofitable orders is allowed.

Maximum number of orders = 30 - the maximum number of orders that the EA can open.

Maximum amount of lots = 100 - limit on the total volume of all lots, open orders, one direction.

Block 3. MOVING AVERAGE

Variable	Value
3. MOVING AVERAGE	
MA period	18
MA shift	0
MA method: >	Exponential
MA applied price: >	Close price
...	

Load

MA period = 18 - период скользящей средней.

MA shift = 0 - сдвиг скользящей средней.

MA method: = Simple – выбор метода расчета скользящей средней.

MA shift	0
MA method: >	Exponential
MA applied price: >	Simple
...	Exponential
...	Smoothed
...	Linear weighted
4. TRAILING STOP	
Mode selection: >	Disabled

Load

Save

MA applied price: = Close price – выбор цены скользящей средней.

123 MA shift	0
123 MA method: >	Exponential
123 MA applied price: >	Close price
ab * * *	Close price
ab __ 4. TRAILING STOP __	Open price
	High price
	Low price
123 Mode selection: >	Median price
1/2 Trailing stop level	Typical price
1/2 Step trailing stop	Weighted price

Block 4. TRAILING STOP

ab __ 4. TRAILING STOP __	
123 Mode selection: >	Disabled
1/2 Trailing stop level	10.0
1/2 Step trailing stop	2.0
ab * * *	

Mode selection:

- **Normal trailing** - standard trailing stop, starts trail only when there is profit.
- **Total trailing stop** - by one (average) stop loss closes all open orders in one direction, including losing orders.
- **Disabled** - trailing stop for open orders is disabled.

ab __ 4. TRAILING STOP __	
123 Mode selection: >	Disabled
1/2 Trailing stop level	Normal trailing
1/2 Step trailing stop	Total trailing stop
ab * * *	Disabled

Trailing stop level = 10 - trailing stop level in points.

Step trailing stop = 1 - step of trailing, if the profit is 10 points, trailing will move a stop-loss to 1 points.

Block 5. OTHER SETTINGS

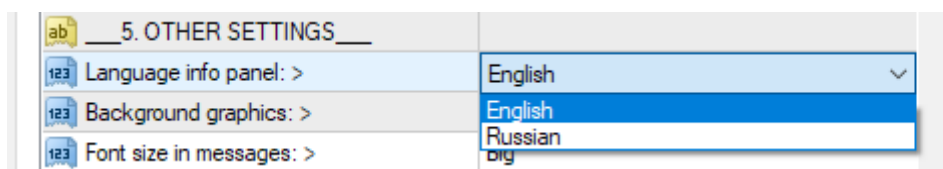
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About	Common	Inputs
Variable	Value	
ab __ 5. OTHER SETTINGS __		
123 Language info panel: >	English	
123 Background graphics: >	Light	
123 Font size in messages: >	Big	
Show options panel	true	
Show hot buttons	true	
Show lines of the breakeven and stop ...	true	
Deleting objects from the graph	false	
Delete objects in minutes	60	

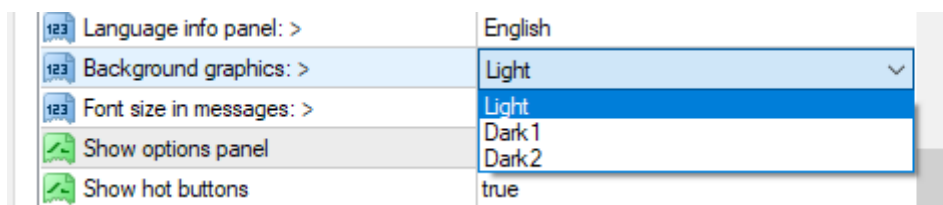
Load Save

OK Отмена Reset

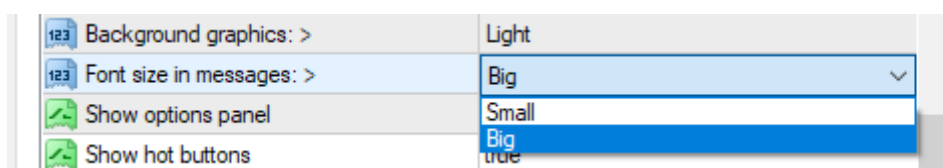
Language info panel = English - switch the language on the info panel can be Russian or English.



Background graphics = Dark1 - selects the color background of the chart Dark1 or Dark2 and Light.



Font size in messages: - it can be Big or Small.



Show options panel = true - displays textual information about the financial status of the account and currently active commands on the chart, if false, it does not show messages.

Show hot buttons = true - yes, show, false - no, do not show, "hot buttons" in the strategy tester do not work!

Deleting objects from the graph = true - allow clearing the chart from unnecessary graphical objects (arrows, modifications of stop loss levels, take profit, etc.).

Delete objects, in minutes = 60 - cleaning the chart from unnecessary graphical objects (arrows, modifications of stop loss levels, take profit, etc.) after a set time in minutes (60) from creating the object.