

McDuckEA – Forex Expert Advisor

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McDuckEA (McDuck) – an EA that works on a martingale strategy, with a choice of trading mode (by the flat, trend, or automatic), with a controlled risk (own Stop Out, total stop loss, control over the use of free margin, etc.), with auto-determination of the trend direction. McDuck EA can average 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).

Features McDuckEA

- three modes of trade: by the flat, trend and automatically;
- selection of lots: standard, economical and same;
- auto trend - automatic selection of trading direction;
- additional moving average as a filter when opening martingale orders;
- 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;
- own Stop Out, when reached, closes all orders and stops working until the next H4 bar opens;
- common and standard stop loss;
- 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.

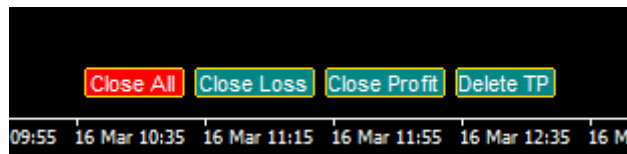
Importantly!

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>

Due to the addition of additional checks for opening new orders, 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.

Delete TP – delete take profit from all orders of the current currency pair.

External variables

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Block 3 «AUTO TREND»

Block 4 «OTHER SETTINGS»

Block 1. GENERAL SETTINGS

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About Common Inputs

Variable	Value
ab ____1. GENERAL SETTINGS____	
Allow opening orders	true
Magic Number (automatic)	0
Positions:	Long & Short
Timeframe for trading:	5 Minutes
Trade mode:	Automatic
Use MA for martingale orders	true
Limit of orders per bar	2
Initial lot in the series	0.01
Take Profit for one order	10.0
Minimal profit for martingale	5.0
Stop Loss	0.0
Use a common stop loss	true
ab -----	
Stop work by time	true
ab Start of shutdown	15:00
ab End of shutdown	16:00
Stop Out %, close all orders	90.0
Free margin limit in percent	80.0
Trailing stop level	10.0
Step trailing stop	1.0
Slippage	3

Load Save

OK Отмена Reset

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

Magic Number (automatic)	0
Positions:	Long & Short
Timeframe for trading	Long only
Initial lot in the series	Short only
Take Profit for one order	Long & Short
	5.0

Timeframe for trading: M5 - the timeframe for opening the first order.

123	Positions:	Long & Short
123	Timeframe for trading:	5 Minutes
123	Trade mode:	current
123	Use MA for martingale orders	1 Minute
123	Limit of orders per bar	5 Minutes
1/2	Initial lot in the series	15 Minutes
1/2	Take Profit for one order	30 Minutes
1/2	Minimal profit for martingale	1 Hour
1/2	Stop Loss	4 Hours
1/2	Use a common stop loss	1 Day
		1 Week
		1 Month
		true

Trade mode:

- **Flat** - settings for trading on the flat.
- **Trend** - settings for trend trading, trend direction can be set using the "Positions:" command.
- **Automatic** - automatic trading, the EA determines the trend direction using the settings of the "Auto trend".

123	Timeframe for trading:	5 Minutes
123	Trade mode:	Automatic
123	Use MA for martingale orders	Flat
123	Limit of orders per bar	Trend
1/2	Initial lot in the series	Automatic
		0.01

Use MA for martingale orders = true - the Moving average indicator is used to open new martingale orders.

Importantly! The moving average indicates the direction not only for new martingale orders, but also indicates the direction for opening the first order. In the "Trend" mode, the first buy order is opened if the price is higher than MA, and the sell order is opened if the price is lower than MA. In the "Flat" all the way around, if the price is above the MA will open sell order and if the price is below the MA will open a buy order. This scheme works only if the chart has the appropriate combination of bars for buy or sell.

Limit of orders per bar = 2 - limits the number of orders on the first bar. **Importantly:** after reaching the limit, new orders will be opened only when a new bar is opened.

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 = true - 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.

Stop Out %, close all orders = 90.0 - the level of drawdown in percentage relative to the account Balance, (on Equity) after which all orders on the current currency pair are closed the EA is suspended until a new H4 bar is opened.

Free margin limit in percent = 80.0 - 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.

By this indicator, you can control how much free money is left to open new orders. If the level of use of Free margin has reached 80 % - it means that already 80 % of your funds in margin and you should think about additional replenishment of your account.

Trailing stop level = 10.0.

Step trailing stop = 1.0.

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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About Common Inputs

Variable	Value
ab ____ 2. MARTINGALE PARAMETERS ____	
123 Lots for martingale:	Standard
1/2 Multiplier	1.5
1/2 Step between orders	2.0
123 Maximum number of orders	30
1/2 Maximum amount of lots	100.0
ab __ Moving Average: __	
123 MA period	21
123 MA shift	0
123 MA method:	Simple
123 MA applied price:	Close price

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.

Variable	Value
ab ____ 2. MARTINGALE PARAMETERS ____	
123 Lots for martingale:	Standard
1/2 Multiplier	Standard
1/2 Step between orders	Economical
123 Maximum number of orders	30

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.

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.

__ Moving Average: __

MA period = 21 - период скользящей средней.

MA shift = 0 - сдвиг скользящей средней.

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

123 MA shift	0
123 MA method:	Simple
123 MA applied price:	Simple
ab * * *	Exponential
ab __3. AUTO TREND__	Smoothed
	Linear weighted
123 Timeframe for auto direction:	5 Minutes

Load

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

123 MA method:	Simple
123 MA applied price:	Close price
ab * * *	Close price
ab __3. AUTO TREND__	Open price
	High price
123 Timeframe for auto direction:	Low price
123 MA period	Median price
123 MA shift	Typical price
	Weighted price
123 MA method:	Simple

Load

Block 3. AUTO TREND

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About Common Inputs

Variable	Value
ab __3. AUTO TREND__	
123 Timeframe for auto direction:	5 Minutes
123 MA period	80
123 MA shift	0
123 MA method:	Simple
123 MA applied price:	Close price
ab * * *	
ab __4. OTHER SETTINGS__	

Load

Save

OK Отмена Reset

Timeframe for auto direction: = «M5» - select the timeframe for MA trend direction indicator. 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.

Variable	Value
ab ____3. AUTO TREND____	
123 Timeframe for auto direction:	5 Minutes
123 MA period	current
123 MA shift	1 Minute
123 MA method:	5 Minutes
123 MA applied price:	15 Minutes
ab * * *	30 Minutes
ab ____4. OTHER SETTINGS____	1 Hour
123 Language info panel:	4 Hours
123 Background graphics:	1 Day
	1 Week
	1 Month

Load
Save

MA period = 21.

MA shift = 0.

MA method: = Simple.

123 MA shift	0
123 MA method:	Simple
123 MA applied price:	Simple
ab * * *	Exponential
ab ____4. OTHER SETTINGS____	Smoothed
123 Language info panel:	Linear weighted

Load

MA applied price: = Close price.

123 MA method:	Simple
123 MA applied price:	Close price
ab * * *	Close price
ab ____4. OTHER SETTINGS____	Open price
123 Language info panel:	High price
123 Background graphics:	Low price
Show options panel	Median price
Show hot buttons	Typical price
	Weighted price

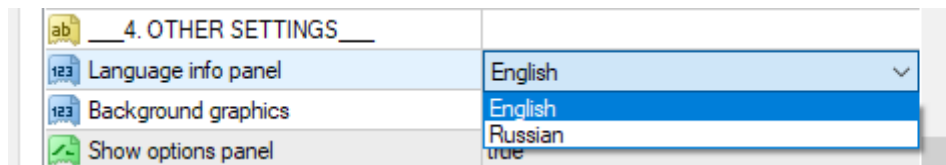
Load
Save

Block 4. OTHER SETTINGS

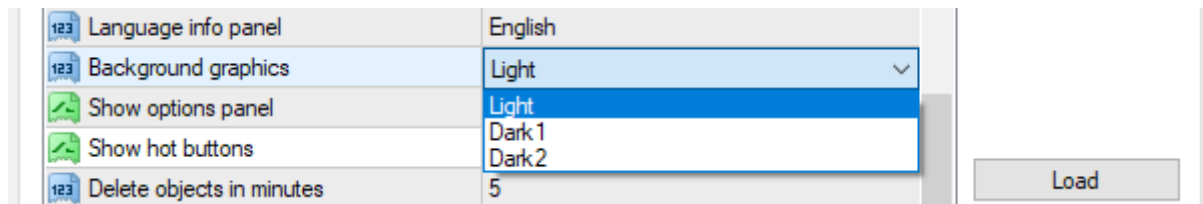
ab ____4. OTHER SETTINGS____	
123 Language info panel:	English
123 Background graphics:	Light
Show options panel	true
Show hot buttons	true
123 Delete objects in minutes	5
ab * * *	

Load

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.



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!

Delete objects in minutes = 5 - clears the chart from unnecessary graphical objects (arrows, modified stop-loss and take-profit levels, etc.) in a certain period of time set in minutes passed from the moment, when an object is created

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