

McDuckEA – Expert Advisor

Version 5.0, May, 2022.

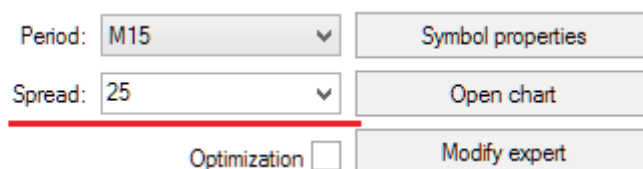
McDuckEA (McDuck) – martingale strategy EA with hedging and automatic exit from the castle. It can work in four modes: by moving average, without indicators, by steps or by closing the bar.

Importantly! The EA works on accounts with quotes of 4 and 5 decimal places. All parameters are set to 4 decimal places by default! For accounts with 5-digit quotes, the parameters are automatically increased by 10!

Importantly! Before launching an EA on a real account, pre-optimize it in the MT4 strategy tester on the historical data of your broker. For preliminary optimization, you can select the "Open prices only..." mode to check and optimize more accurately, use the "Every tick..." mode.

How to optimize the EA see here <https://www.mql5.com/en/articles/1385>

Importantly! If your broker uses a floating spread, set the average, fixed spread value in the tester! The fact is that the spread on a demo account can be very different from the spread on a real account! In addition, some brokers increase the spread by 3 times before the close of trading on Friday. And if you optimize the EA on weekends, leaving the default spread as "Current", you will get the result as with a triple spread!



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 and deletes all orders on the current currency pair, as well as stops the work of the EA, pressing the button again removes this lock.

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

Close Buy – closes only Buy orders on the current currency pair.

Close Sell – closes only Sell orders on the current currency pair.

Block 1. GENERAL SETTINGS

Variable	Value
ab __1. GENERAL SETTINGS__	
Trading	true
Magic number (0 - automat)	0
Positions: >	Long & Short
Working timeframe: >	15 Minutes
Use MA (Moving Average)	false
Open orders by: >	Steps
Initial lot in the series	0.01
Stop Loss	0.0
Take Profit	9.0
Update the take profit level	true
Virtual take profit	false
Max number of open orders	12
Maximum amount of lots	6.0
Work on Friday	true
Slippage	3

Load Save OK Отмена Reset

Trading = true, if you select false, then the EA will no longer open new orders, but all other functions of the EA will continue to work (trailing stop, closing with a fixed profit, etc.).

Magic number (0-automat) = 0 - allows you to specify to the EA which orders (with which magic number) it should track. If the magic number = 0, the EA will automatically select the original magic number (5-digit), which will differ depending on the currency pair on which it is installed. Instead of zero, you can set your magic number. If you put "-1" instead of 0, the EA will take into account and monitor all orders that are currently available on the chart, including orders opened manually.

Importantly: if the magic number is "-1", then the EA will not open new orders, but all other functions of the adviser (martingale, trailing stop, breakeven, hot buttons, etc.) will continue their work as usual.

Positions:

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

Magic number (0 - automat)	0
Positions: >	Long & Short
Working timeframe: >	Long only
Use MA (Moving Average)	Short only
Open orders by: >	Long & Short
	Steps

Working timeframe: = «15 Minutes» - 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.

123	Positions: >	Long & Short
123	Working timeframe: >	15 Minutes
	Use MA (Moving Average)	current
123	Open orders by: >	1 Minute
	Initial lot in the series	5 Minutes
	Stop Loss	15 Minutes
	Take Profit	30 Minutes
	Update the take profit level	1 Hour
	Virtual take profit	4 Hours
		1 Day
		1 Week
		1 Month
123	Max number of open orders	12

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

Open orders by:

- **Steps** - open an order immediately when the distance between the previous order and the current price is equal to "Step between orders";
- **Bars** - open an order only after the current bar closes, while the distance between orders should not be less than the "Step between orders".

	Use MA (Moving Average)	false
123	Open orders by: >	Steps
	Initial lot in the series	Steps
	Stop Loss	Bars

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

Stop Loss = 0.0 in points.

Take Profit = 9.0 in points.

Update the take profit level = true - when manually opening a new order or closing one of the orders in the series, the EA will automatically calculate and set a new level of averaged take profit.

Virtual take profit = false - invisible to the broker take profit, it can be moved with your hands on the chart, orders are closed when the price reaches the take profit line, while the total profit for all orders must be greater than 0 otherwise orders will not be closed.

Importantly: if true is selected, the EA will automatically delete take profit from open orders.

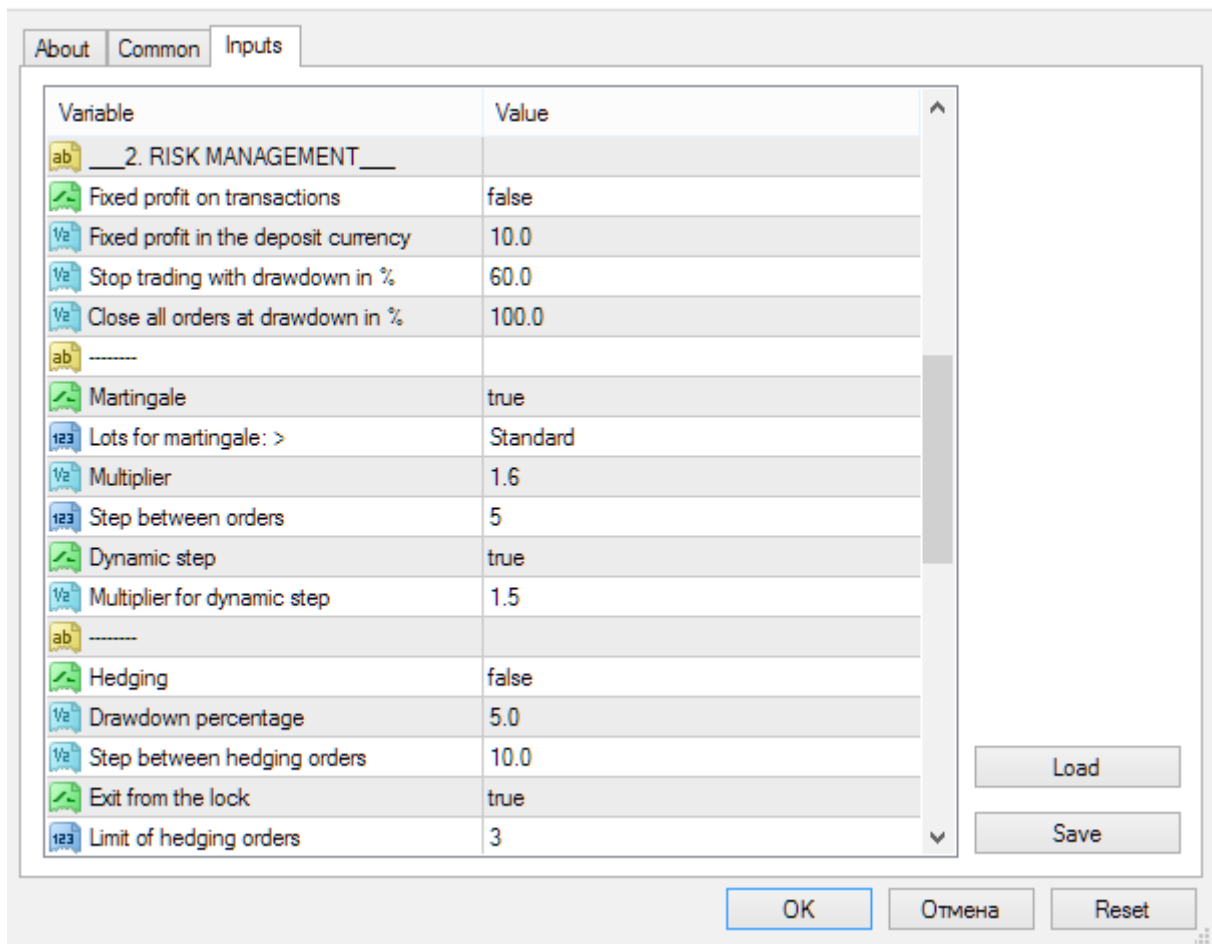
Max number of open orders = 12 - limiting the number of all open orders in one direction.

Maximum amount of lots = 6.0 - limit on the total volume of all lots, open orders, one direction.

Work on Friday = true – work on Friday, if false – then, on Friday, the EA will no longer open new orders, but all other functions of the EA will continue to work (trailing stop, closing with fixed profit, etc.).

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

Block 2. RISK MANAGEMENT



Variable	Value
ab 2. RISK MANAGEMENT	
Fixed profit on transactions	false
Fixed profit in the deposit currency	10.0
Stop trading with drawdown in %	60.0
Close all orders at drawdown in %	100.0
ab -----	
Martingale	true
123 Lots for martingale: >	Standard
1/2 Multiplier	1.6
123 Step between orders	5
Dynamic step	true
1/2 Multiplier for dynamic step	1.5
ab -----	
Hedging	false
1/2 Drawdown percentage	5.0
1/2 Step between hedging orders	10.0
Exit from the lock	true
123 Limit of hedging orders	3

Buttons: Load, Save, OK, Отмена, Reset

Fixed profit on transactions = false – if true, then when the fixed profit value is reached on the current pair (on which the EA is installed), the EA will close all orders and immediately start a new cycle.

Profit on transactions, in the deposit currency = 10.0 – the amount of fixed profit in the deposit currency. The profit is taken into account only for the current instrument (currency pair), and not all the profit in the terminal!

Stop trading with drawdown in % = 60 – limiting the percentage of drawdown on the current instrument (currency pair) relative to the account balance. If the drawdown reaches the set value, the EA will stop opening new orders, but continue to monitor the remaining orders in the market. And they will be closed only if a stop loss or take profit is triggered. And in case of profit, trailing stop and breakeven will continue to work. The opening of new orders will be blocked until the drawdown is equal to 0 or a profit appears, then the blocking will be removed from the adviser and he will be able to continue working as usual. If you do not want to limit the work of the EA with this condition, set the value 100 here.

Close all orders at drawdown in % = 100 – if the drawdown reaches the set value, all orders will be closed and the EA will stop working. If you do not want to limit the work of the EA with this condition, set the value 100 here.

Martingale = true, if false, the EA will not open averaging orders.

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.

Martingale	true
Lots for martingale: >	Standard
Multiplier	Standard
Step between orders	Economical
Dynamic step	Same
	true

Multiplier = 1.6 - 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 previous order.

Step between orders = 5.0 - step (distance) in points between martingale orders.

Dynamic step = true - allow to increase the step between orders after opening a new order.

Multiplier for dynamic step = 1.5 - increasing the step between orders by a given coefficient.

Hedging = true - allow hedging.

Drawdown percentage = 5.0 - drawdown percentage upon reaching which the EA opens an order in the opposite direction.

Step between hedging orders = 10.0 -step in points, this is the distance both between hedging orders and the minimum distance to open the first hedge order from an order in the opposite direction.

Exit from the lock = true - the EA will look for an opportunity to independently exit the "lock" with a profit. "Exit from the lock" only works if "Hedging" is enabled.

Importantly: to exit the lock, the EA can automatically enable a trailing stop if the trailing stop is disabled in the settings!

Limit of hedging orders = 3 - the maximum number of hedging orders that the EA can apply to exit the "lock".

Block 3. MOVING AVERAGE

ab	3. MOVING AVERAGE	
123	MA period	9
123	MA shift	0
123	MA method: >	Exponential
123	MA applied price: >	Typical price
ab	• • •	

MA period = 9.

MA shift = 0.

MA method: = Exponential.

123	MA shift	0
123	MA method: >	Exponential
123	MA applied price: >	Simple
ab	...	Exponential
ab	4. TRAILING STOP	Smoothed
123	Mode trailing stop: >	Linear weighted
123	Mode trailing stop: >	Disabled

MA applied price: = Typical price.

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

Block 4. TRAILING STOP

ab	4. TRAILING STOP	
123	Trailing stop: >	Disabled
1/2	Trailing stop level	16.0
1/2	Step trailing stop	2.0
ab	...	

Trailing stop:

- **Normal** - standard trailing stop, starts trail only when there is profit.
- **Total** - 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	Trailing stop: >	Disabled
1/2	Trailing stop level	Normal
1/2	Step trailing stop	Total
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

Variable	Value
___ 5. OTHER SETTINGS ___	
Language: >	English
Background: >	Dark1
Font size in messages: >	Medium
Show options panel	true
Show hot buttons	true
Deleting objects from the graph	false
Delete objects, in minutes	240

Buttons: Load, Save, OK, Отмена, Reset

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

Variable	Value
___ 5. OTHER SETTINGS ___	
Language: >	English
Background: >	English
Font size in messages: >	Russian

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

Variable	Value
Language: >	English
Background: >	Dark1
Font size in messages: >	Light
Show options panel	Dark1
Show hot buttons	Dark2

Buttons: Load

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

Variable	Value
Background: >	Dark1
Font size in messages: >	Medium
Show options panel	Small
Show hot buttons	Medium
Deleting objects from the graph	Big
	false

Buttons: Load

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

Delete objects, in minutes = 240 - deleting objects after a set time, in minutes from object creation.