

# UTrailing – universal trailing stop

Version 12, July, 2023

**UTrailing** – universal trailing stop, made in the form of an expert adviser, but without its own mechanism for opening orders. UTrailing EA is useful to any trader, but most of all like traders who trade hands, for them it will be a great assistant.

## Benefits

- 3 take profits with decreasing volume by percentage;
- 4 trailing stop modes: virtual, normal, total and mobile stop loss;
- 7 options: by points, by bar extremes, by fractals, by volumes, and by indicators;
- virtual mobile stop loss - move manually;
- virtual mobile take profit - move manually;
- adding stop loss and take profit to all open positions;
- setting stop loss by: points, fractals, ATR indicator, daily High/Low;
- trailing stop for all orders, all symbols opened in the terminal;
- setting up a trailing stop for of open positions: only by one symbol, by magic number, or by direction;
- trailing of pending orders: by type, by direction, by points, fractals, by bar extremes;
- closing all orders for the specified amount of the account Equity;
- closing orders on the fixed profit;
- closing orders on the percentage of loss;
- closing all orders in the "lock" with a profit;
- closing orders when the trend line breaks;
- sound signal when the trend line breaks;
- "hot buttons" on the chart for quick execution of commands;
- close all orders in the terminal using the "hot keys";
- working with cryptocurrencies (#Bitcoin, etc.), stocks, futures, etc.;
- operates on 4- and 5-digit accounts.

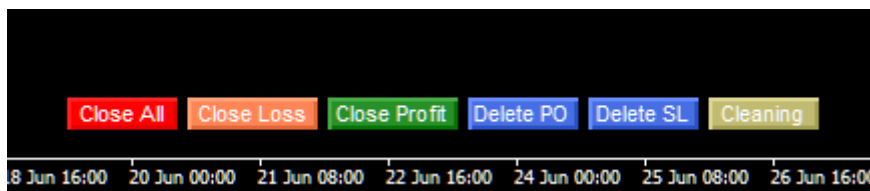
## Hot keys

**Shift + 0** – closes all open positions and deletes all pending orders.

To do it, you need to place the cursor over the price chart, where the EA is running, click on the chart with the left mouse button (select the chart) and then press "Shift" and "0" buttons in sequence.

## Hot buttons

Hot buttons are designed for quick execution of one command.



**Close All** – closes all open positions and deletes all pending orders.

**Close Loss** – closes only orders that have a loss.

**Close Profit** – closes only orders with profit.

**Delete PO** – removes only pending orders.

**Delete SL** – removes stop loss from open orders.

**Cleaning** – clearing the chart from all objects on it (arrows, lines, text, labels, etc.).

**Important!** If the command "All symbols" = true is active, then when you press the "hot" button, the task will be executed for all orders and all positions currently open in the terminal! If "All symbols" = false, then the task will be performed only on the current currency pair on which the EA is installed.

## GENERAL SETTINGS

ab	__GENERAL SETTINGS__	
	Allow the EA to work	true
123	Magic number (-1 for all)	-1
	All symbols	false
123	Positions: >	Long & Short
	Add SL and TP for all open orders	true
123	Stop Loss by: >	Points
123	Stop Loss in points	30
	Virtual stop loss	false
123	Take Profit in points	60
	Virtual take profit	true
123	Breakeven for one direction: >	Disabled
123	Profit to enable a breakeven	12
123	Breakeven level	2
123	Slippage	3

**Allow the EA to work** = true - if you select false, the EA will suspend its work, stop monitoring orders and will not move the stop loss.

**Magic number** = -1 - allows you to specify the EA, which orders (with which magic number) it needs to track. 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 EA.

The magic number -1 (the message "-1" will be displayed on the chart) means that the EA will work with all orders for this currency pair, including orders opened manually.

**All symbols** = false, if true, the EA will work with all orders opened in the terminal, on all symbols, and the message "All symbols" will be displayed at the top of the chart.

### Positions:







- **Long only** - to trail the stop loss only for buy orders;
- **Short only** - to trail the stop loss only for sell orders;
- **Long & Short** - trailing stop in both directions.

	All symbols	false
123	Positions: >	Long & Short
	Add SL and TP for all open orders	Long only
123	Stop Loss by: >	Short only
123	Stop Loss in points	Long & Short
		30

**Add SL and TP for all open orders** = true - the EA will set a stop loss or take profit for all open orders.

### Stop Loss by:

- **Points** - the size of the stop loss on the points;
- **Fractals** - stop loss by the extreme fractal of the current chart;
- **ATR 14, H1** - stop loss size based on the ATR 14 indicator, for the H1 period;
- **Day High/Low** - stop loss by daily extremes.

 Add SL and TP for all open orders	true
 Stop Loss by: >	Points
 Stop Loss in points	Points
 Virtual stop loss	Fractals
 Take Profit in points	ATR 14, D1
 Virtual take profit	High/Low, D1
	true

**Stop Loss in points** = 30 - the stop loss size in the points

**Virtual stop loss** = false - the stop loss is invisible to the broker, if true, the horizontal line of the virtual stop loss will appear on the chart. The line can be moved by hand, in any direction. The distance from the current price to the virtual stop loss line is set by the "Stop Loss in points" parameter.

**Take Profit in points** = 60 - the take profit in the points.






**Virtual take profit** = true - the take profit is invisible to the broker, if true, the horizontal line of the virtual stop loss will appear on the chart. The line can be moved by hand, in any direction. It is provided to close orders only if there is profit on the current currency pair. The distance from the current price to the virtual take profit line is set by the "Take Profit in points" parameter.

### Important:

- Virtual Stops can be used together with real Stops. To guarantee in case of loss of communication with the broker or sudden computer shutdown.
- Virtual stop loss and virtual take profit do not work if:
  - or there are positions open in the opposite direction (i.e. if there is a lock);
  - or "All symbols"= true;
  - or "Exit from the lock with a profit"= true.

**Breakeven for one direction:** - breakeven mode.

- **Usual** - works separately with each order;
- **General, united** - one common stop loss for all orders of the same direction;
- **Disabled** - breakeven is disabled.

 Virtual take profit	true
 Breakeven for one direction: >	Disabled
 Profit to enable a breakeven	Usual
 Breakeven level	General, united
 Slippage	Disabled
	3

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

**Breakeven level** = 1 – 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.

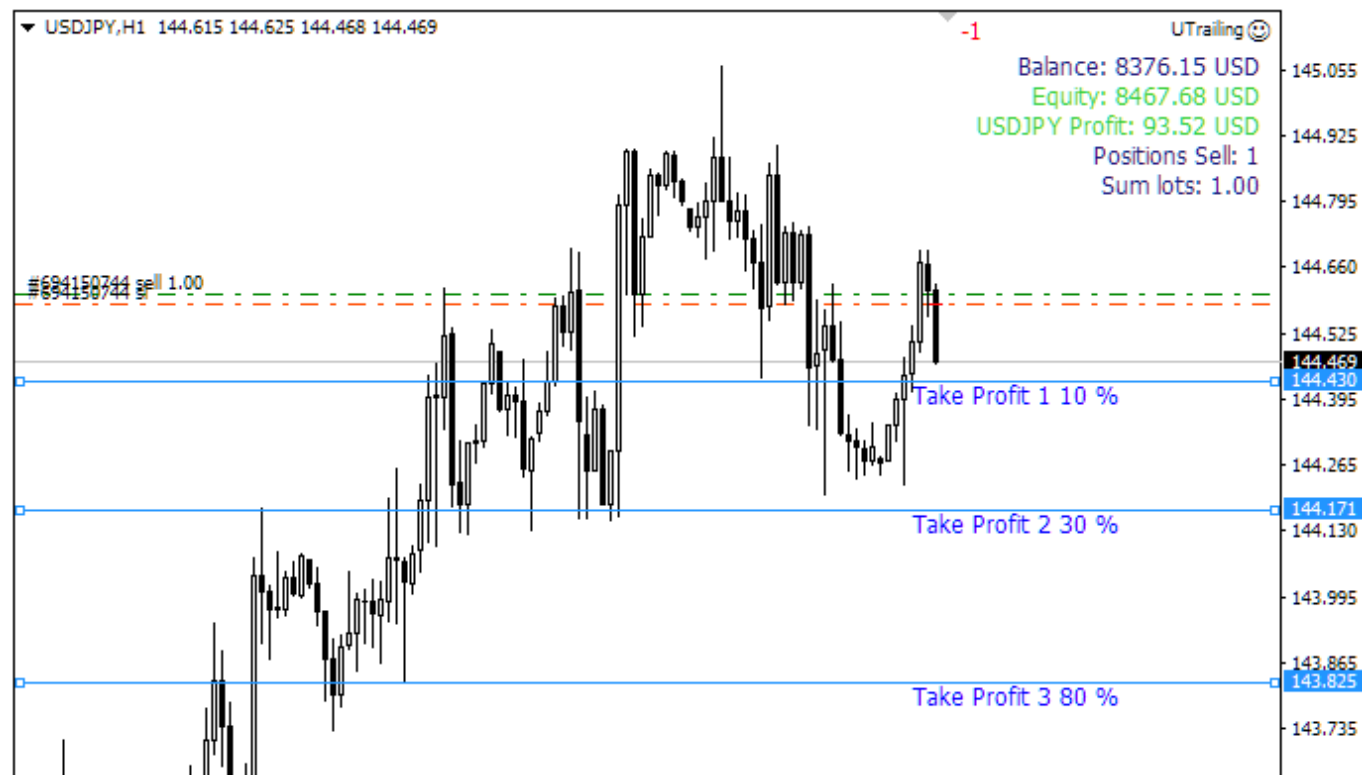
### Important:

- The "General, united" breakeven works with both one order and several, sets the stop loss at a single breakeven level. At the same time, some orders (if there are more than 1) may be closed with a loss. But at the same time their total profit will not be lower than the set value "Breakeven level".
- The "General, united" breakeven works only on its own chart (where the EA is installed) and if the "All Symbols" mode is selected, then on other currency pairs, the breakeven will work in the "Usual" mode.

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

## THREE TAKE PROFITS

In earlier versions this block was called percentage trailing stop.  
This function places three levels of take profit (TP) on the chart.



If the price approaches the first TP level, only part of the position is closed (for example, 10% of the initial volume) and the EA opens a new order with a reduced lot volume.

If the price approaches the second TP, another part of the position is closed (for example, 30% of the volume of the second position, which the EA opened after closing the initial position on the first TP) and the EA opens a new order with a reduced lot size.

If the price approaches the third take profit, the EA closes the third part of the remaining position (for example, 80% of the volume of the third position that the EA opened after closing the second position on the second TP) and if there is an opportunity, the EA opens a new order (its lot cannot be less than 0.01).

If the price continues to move in our direction, then the EA can protect this last position with a regular trailing stop and breakeven of your choice.

ab	__THREE TAKE PROFITS__	
	Use three take profits	false
123	1_Reduction in the lot on: >	10 %
123	1_Take Profit in points	20
123	2_Reduction in the lot on: >	30 %
123	2_Take Profit in points	40
123	3_Reduction in the lot on: >	80 %
123	3_Take Profit in points	60

**Use three take profits** = false - if true and there is already an open position on the selected currency pair, then three lines will appear on the chart - three take profit levels. You can freely move them around the chart and fix them where you see fit.

### Important!

Take profit lines should be arranged in order one after another 1,2,3 if the order is violated when manually moving the lines, the EA will automatically reset your settings!

**1\_Reduction in the lot on:** = 10 % - the choice of the first percentage for a first reduction of lot size.

**1\_Take Profit in points** = 20 - the first Take Profit after which there will be the first partial closure of the position, reducing the volume of the lot by a fixed percentage.

Use three take profits	false
1_Reduction in the lot on: >	10 %
1_Take Profit in points	No % 10 %
2_Reduction in the lot on: >	20 %
2_Take Profit in points	30 % 40 % 50 % 60 % 70 % 80 % 90 %
3_Reduction in the lot on: >	
3_Take Profit in points	
__CLOSING POSITIONS__	

**2\_Reduction in the lot on:** = 30 % - the choice of the second percentage for a second reduction of lot size.

**2\_Take Profit in points** = 40 - the second Take Profit after which there will be a second partial closure of the position, reducing the volume of the lot by a fixed percentage.

2_Reduction in the lot on: >	30 %
2_Take Profit in points	No % 10 % 20 % 30 % 40 % 50 % 60 % 70 % 80 % 90 %
3_Reduction in the lot on: >	
3_Take Profit in points	
__CLOSING POSITIONS__	
Close by Equity	
Amount of Equity in the deposit currency	

**3\_Reduction in the lot on:** = 80 % - the choice of the third percent for a third reduction of lot size.

**3\_Take Profit in points** = 60 - the third Take Profit after which there will be a third partial closure of the position, reducing the volume of the lot by a fixed percentage.

2_Take Profit in points	40
3_Reduction in the lot on: >	80 %
3_Take Profit in points	No % 10 % 20 % 30 % 40 % 50 % 60 % 70 % 80 % 90 %
__CLOSING POSITIONS__	
Close by Equity	
Amount of Equity in the deposit currency	
Fixed profit	
Profit in the deposit currency	

Load

Save








If, after closing on the third take profit, it remains possible to open another order with a size of at least 0.01, then the EA will open it!

To protect profits when the "Three Take Profit" function works, you can use, as usual, breakeven and trailing stop in any combination and combination!

### Important!

- "Three Take Profit" in the "All Symbols" mode will only work on its own symbol (on the chart where the EA is installed).
- "Three Take Profit" do not work if there are positions open in the opposite direction (i.e. if there is a "lock").

## CLOSING POSITIONS

ab	__CLOSING POSITIONS__	
	Close by Equity	false
	Amount of Equity in the deposit currency	3000.0
	Fixed profit	false
	Profit in the deposit currency	50.0
	Close all at drawdown in %	100.0
	Exit from the "lock" with a profit	false
	Mini profit to exit the "lock"	5.0

**Close by Equity** = false - if true, allow closing all open positions and deleting all pending orders when the account Equity reach the set value.

**Amount of Equity, in the currency of the deposit** = 0.0 - the amount of Equity at which all orders will be closed, the value can be higher than the account Balance.

**Fixed profit** = false - allow fixed profit.

**Profit in the deposit currency** = 50.0 - fixed profit amount in the currency of the deposit.




**Close all at drawdown in %** = 100, if Equity becomes less than the Balance by the set percentage, all orders will be closed.

**Exit from the "lock" with a profit** = false - exit from the "lock" is possible only if there is a difference between the sums of the volumes of lots. If there is such a difference, then a horizontal dotted line will appear on the chart – the level of exit from the castle. When the price reaches this line, all orders will be closed

**Mini profit to exit the "lock"** = 5.0 - here you can set the minimum profit value (in the deposit currency) at which closing all orders when exiting the lock.

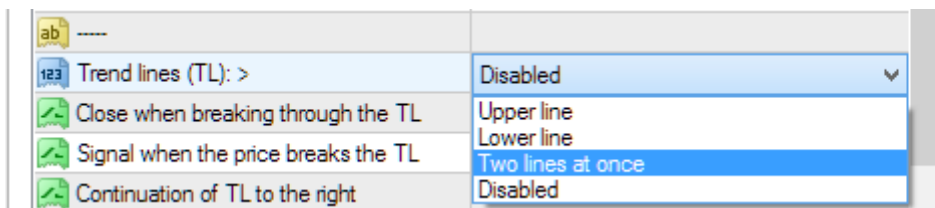
### Important!

If "All symbols" = true, and there are open positions on other currency pairs, the EA will calculate the difference in lot volumes for all currency pairs, and when you exit the "lock" at breakeven, all orders in the terminal will be closed.

123	Trend lines (TL): >	Disabled
	Close when breaking through the TL	false
	Signal when the price breaks the TL	true
	Continuation of TL to the right	false

**Trend lines (TL):** - trend lines will appear on the chart, the position of which you can change:

- **Upper line** - use only the upper line to close sell positions;
- **Lower line** - use only the lower line to close buy positions;
- **Two lines at once** - use the Upper line and Lower line together;
- **Disabled** - do not use trend lines.



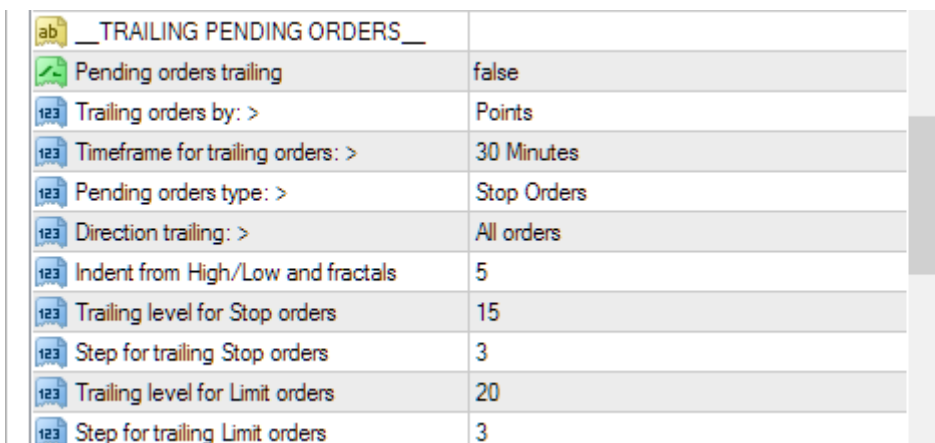
**Close when breaking through the TL** = false - if true, when the price breaks the upper trend line, all open positions on Sell will be closed, and when the lower trend line is broken, all positions on Buy will be closed.

**Signal when the price breaks the TL** = true - when the price breaks the trend line, a sound signal will sound.

**Continuation of TL to the right** = false - if true, the trend line will continue to the right, to the right edge of the chart.

**Important:** trend lines work only on the current chart on which the EA is installed, so when the trend line is broken, positions will be closed only on this currency pair.

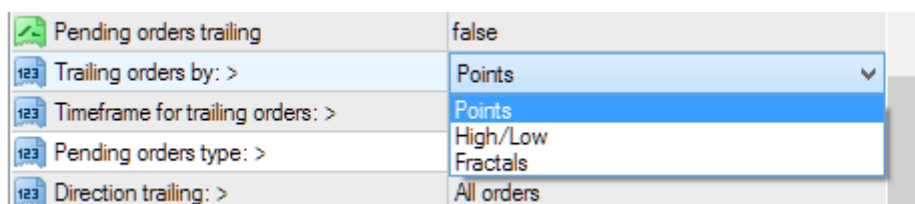
## TRAILING PENDING ORDERS



**Pending orders trailing** = false, false, if true, the EA will trail pending orders.

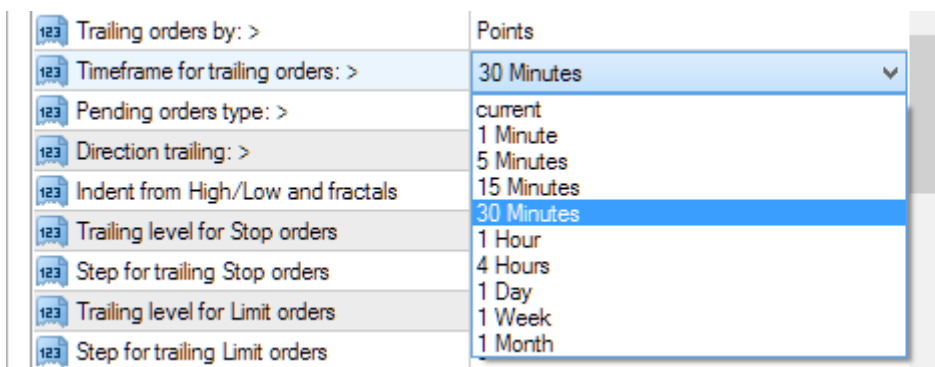
**Trailing orders by:**

- **Points** - the pending order will move by the points.
- **High/Low** - the pending order will move by the fractals.
- **Fractals** - the pending order will moved by High/Low.



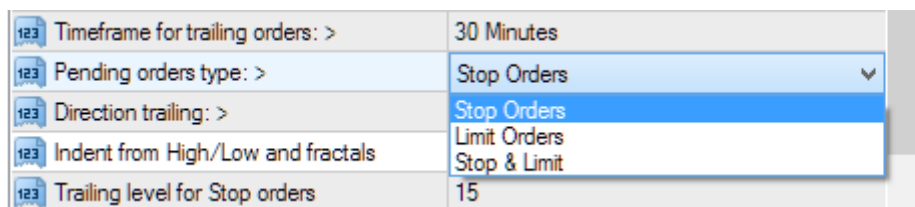


**Timeframe for trailing orders:** = «30 Minutes» - choice of the timeframe by which you want to work with trailing stop for pending orders.



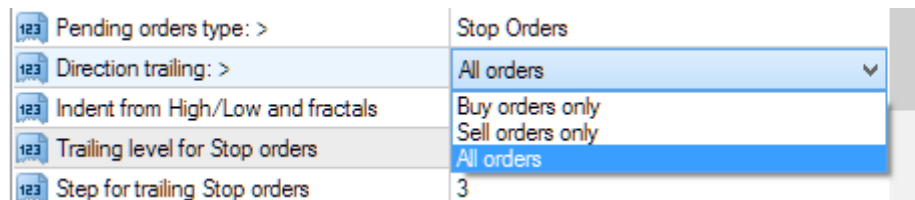
#### Pending orders type:

- **Stop Orders** - trailing stop orders only (Buy Stop и Sell Stop).
- **Limit Orders** - trailing limit orders only (Buy Limit и Sell Limit).
- **Stop & Limit** - trailing stop and limit orders together.



#### Direction trailing:

- **Buy orders only** - trailing pending orders, only on buy.
- **Sell orders only** - trailing pending orders only on sell.
- **All orders** - trailing all pending orders.



**Important:** the trading direction for pending orders does not depend on the choice of the "Positions:" (Long only or Short only).

**Indent from High/Low and fractals** = 5 in points.

**Trailing level for Stop orders** = 15 - in points, the distance of pending orders from the current price, if it becomes larger the EA pulls pending orders closer to the price.

**Step for trailing Stop orders** = 3 in points.

**Trailing level for Limit orders** = 20 - in points, the distance of pending orders from the current price, if it becomes larger the EA pulls pending orders closer to the price.

**Step for trailing Limit orders** = 3 in points.



## TRAILING OPEN POSITION

ab	__ TRAILING OPEN POSITION __	
1/2	Mini profit (\$) in the currency of deposit	0.0
123	Mode trailing stop: >	Normal
123	Timeframe for trailing stop: >	1 Hour
123	Trailing stop by: >	Points
123	Trailing stop level	20
123	Trailing step	2
123	Indent in points, except by "Points"	1
123	ATR period	14
123	Level of Volumes	100
123	Moving Average period	34
123	MA shift	0
123	MA method: >	Exponential
123	Applied price the MA: >	Close price
1/2	Step Parabolic SAR	0.02
1/2	Maximum Parabolic SAR	0.2

**Mini profit in the currency of deposit** = 0.0 - minimum profit to start trailing stop.

### Mode 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
- **Virtual** - trailing stop invisible to the broker, a horizontal dotted line, blue in color, will appear on the chart.
- **Mobile stop loss** - stop loss follows the price like a trailing stop immediately after the order is opened.
- **Disabled** - trailing stop is disabled and does not work.

1/2	Mini profit (\$) in the currency of deposit	0.0
123	Mode trailing stop: >	Normal
123	Timeframe for trailing stop: >	Normal
123	Trailing stop by: >	Total
123	Trailing stop level	Virtual
123	Trailing step	Mobile stop loss
123		Disabled
123		2

**Timeframe for trailing stop:** = «1 Hour» - choice of the timeframe by which you want to work with trailing stop (except for Points).

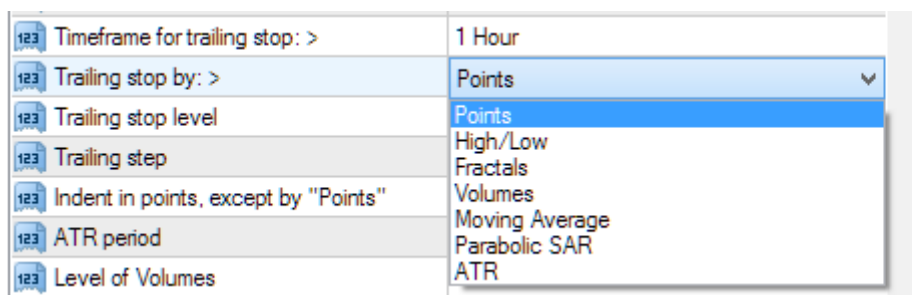
123	Mode trailing stop: >	Normal
123	Timeframe for trailing stop: >	1 Hour
123	Trailing stop by: >	current
123	Trailing stop level	1 Minute
123	Trailing step	5 Minutes
123	Indent in points, except by "Points"	15 Minutes
123	ATR period	30 Minutes
123	Level of Volumes	1 Hour
123	Moving Average period	4 Hours
123		1 Day
123		1 Week
123		1 Month

### Important!

- Virtual trailing stop will not work in the "All Symbols" mode will only work on its own symbol (on the chart where the EA is installed).
- Virtual trailing stop do not work if there are positions open in the opposite direction (i.e. if there is a "lock").
- Virtual trailing stops do not work if "Exit from the lock with a profit" = true.

### Trailing stop by:

- **Points** - standard trailing stop by points;
- **High/Low** - the High/Low of the previous bar;
- **Fractals** - by fractals;
- **Volumes** - by volumes;
- **Moving Average** - by moving average;
- **Parabolic SAR** - by Parabolic SAR;
- **ATR** - by ATR.



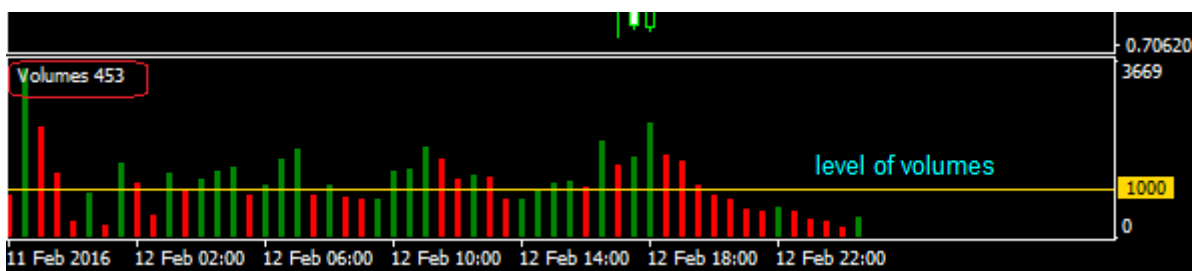
**Trailing stop level** = 20 - trailing stop level in points.

**Trailing step** = 2 - step of trailing: if the profit is 30 points, trailing will move a stop-loss to 2 points.

**Indent in points, except "by Points"** - the distance in points from the stop loss to the maximum or the minimum of the bar or the fractal.

**ATR period** = 14 - period ATR (Average True Range). ATR, you can adjust the trailing stop distance from the price using "Indent in points, except by Points" by increasing or decreasing its value. If Buy order, then the amount "Indent ..." + the ATR level is deducted from the Bid price. If Sell order, then the amount "Indent ..." + the ATR level is added to the Ask price.

**Level of Volumes** = 100 - sets the level volumes. Trailing stop is work if columns of a volume histogram are lower than a pre-set level – 100, if the columns are higher than the level, then trailing will be temporarily disabled, until the columns are lower than the pre-set level, for 5-digit brokers automatically increases to 10.



**Moving Average period** = 34

**MA shift** = 0.

**MA method** = Exponential.

123 MA shift	0
123 MA method: >	Exponential
123 Applied price the MA: >	Simple
1/2 Step Parabolic SAR	Exponential
1/2 Maximum Parabolic SAR	Smoothed
ab I	Linear weighted

**Applied price the MA:** - choosing price to calculate the moving average.

123 MA method: >	Exponential
123 Applied price the MA: >	Close price
1/2 Step Parabolic SAR	Close price
1/2 Maximum Parabolic SAR	Open price
ab I	High price
ab _____ OTHER SETTINGS _____	Low price
Alerts modified stop loss	Median price
	Typical price
	Weighted price

**Step Parabolic SAR** = 0.02.

**Maximum Parabolic SAR** = 0.2.

## OTHER SETTINGS

ab _____ OTHER SETTINGS _____	
Alerts modified stop loss	false
123 Background: >	Auto
123 Font size in messages: >	9
Show info messages	true
Show hot buttons	true
Show the Stop Out line	true
123 Multiply parameters by: >	Disabled
Show Deleting only their objects from the chart	false
123 Delete objects, in in hours	24

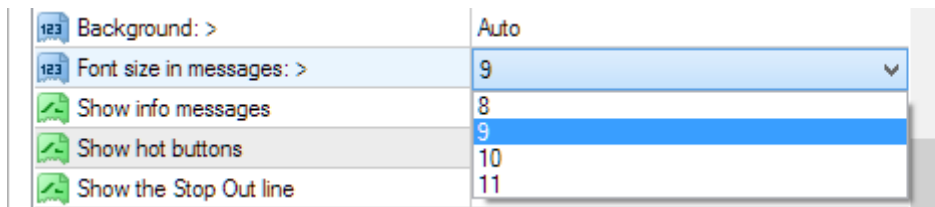
Load
Save

**Alerts modified stop loss** = true - stop loss modification sound signal if false, the sound is disabled.

**Background:** = Auto – the EA automatically changes its colors if the background of the chart is white or black. If the background color is different, choose the style that suits you Dark or Light.

Show Alerts modified stop loss	false
123 Background: >	Auto
123 Font size in messages: >	Auto
Show info messages	Light
Show hot buttons	Dark
	true

**Font size in messages:** = 9 - you can choose the font size.



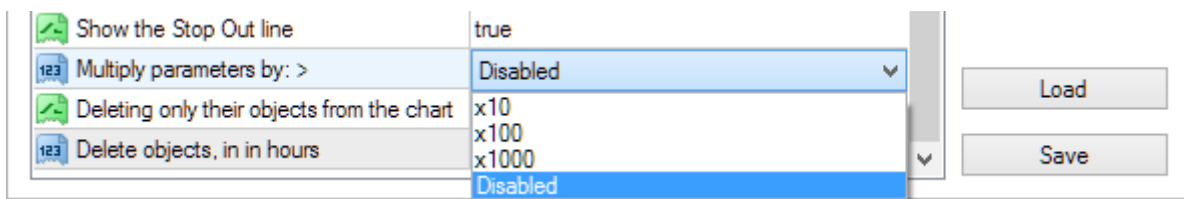
**Show info messages** = true - displays textual information about the financial status of the account and currently active commands on the chart, if false, it does not show messages.

**Show hot buttons** = true - yes, show, false - no.

**Important:** do not show, "hot buttons" in the strategy tester do not work!

**Show the Stop Out** = true -show the Stop Out line, only if the margin level is below 500%.

**Multiplier for cryptocurrency** = Disabled - select and set the desired multiplier.



The multiplier is intended for financial instruments with non-typical quotes (cryptocurrencies, metals, futures, CFDs, etc.).

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

**Delete objects, in hours** = 24 - clears the chart from unnecessary graphical objects (arrows, modified stop-loss and take-profit levels, etc.) in a certain period of time set in hours passed from the moment, when an object is created.

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