

# Foxzard Trader MT4 Expert Advisor Manual

## Contents

Foxzard Trader MT4 Expert Advisor Manual .....	1
Overview .....	3
Features .....	3
Installation Guide .....	3
User Interface.....	4
Input Parameters and Default Values .....	5
Global Parameters.....	6
EA_KEY = "" .....	6
Signal Indicator Name = "" .....	6
Initial Lot Size = 0.....	7
Time To Trade = "00:00-23:59;" .....	7
Close on reversed signal = Yes.....	7
Ignore Time To Trade When Close On Reversed Signal = No.....	8
Initial Stop Loss pips = 0 .....	8
Initial Take Profit Pips = 0 .....	8
Allowed Orders = Any.....	8
Base Magic # = 8889.....	8
Pips Multiplier = 0 .....	9
Limit Number Of Open Orders = 9999.....	9
Martingale Function Parameters.....	9
Lot Martingale Multiplier = 1.....	9
Max Lot = 0.....	9
Breakeven Function Parameters .....	10
Enable Breakeven (BE) = No .....	10
Pips of Profit When BE Will Trigger = 55 .....	10
Pips of Profit to fix with BE = 1 .....	10
Stop Loss Trailing Function Parameters .....	10
Trailing Method = No Trailing.....	10
Trail SL in Loss Zone = No .....	11
Trailing Method = Simple .....	11
[Simple] Start Pips = 100 .....	11

[Simple] Trail Pips = 55 .....	11
Trailing Method = Parabolic SAR .....	12
[Parabolic] PSAR Step = 0.02 .....	12
[Parabolic] PSAR Maximum = 0.2 .....	12
Trailing Method = ATR Stop.....	12
[ATRStop] TimeFrame = current.....	13
[ATRStop] Period = 12 .....	13
Trailing Method = X Bars Back.....	13
[X Bars Back] Number of Bars to Count = 24 .....	13
[X Bars Back] Add Pips = 10 .....	13
Trailing Method = Fractal .....	14
[Fractal] Add Pips = 10.....	14
Trailing Method = Bollinger Bands .....	15
[Bollinger Bands] Period = 20 .....	15
[Bollinger Bands] Deviations = 2.....	15
[Bollinger Bands] Apply To Price = Low/High .....	15
Visual and User Interface Parameters.....	15
Show Chart Info = Yes.....	15
Show Log On Chart = No.....	16
Color Scheme = DarkBackground .....	16
Font Size = 9 .....	16
Help, Support & Questions.....	16
We wish you big profits! .....	16
<i>Thank you for reading.</i> .....	16

## Overview

Foxzard Trader is an expert advisor (EA) for metatrader 4 (MT4) platform. It trades using signals from indicators created on the <http://www.foxzard.com> website. Foxzard Trader EA is used to open orders automatically on any MT4 pair or to backtest signals in the mt4 strategy tester.

EA provides many functions to increase profitability and to limit losses. EA uses signals created on the foxzard website so its profitability depends on the signal quality.

## Features & Functions

1. Works on any pair and timeframe. 4 digit and 5 digit accounts. Forex, CFD, Metals any symbol tradeable on your MT4 account.
2. Trades automatically using the specified signal indicator.
3. Allows setting initial stop loss, taking profit and lot size.
4. Time filter function. Any number of allowed time periods can be set.
5. Breakeven function.
6. Martingale lot multiplier with customizable factor.
7. Six trailing stop methods. (Simple, Parabolic, ATR, X Bars Back, Fractal, Bollinger Bands)
8. Advanced info panel with logging.

After opening the position Foxzard Trader monitors it, moves stop loss in profit (breakeven) and trails stop loss of the order. The profit depends on the Signal indicator used and other configurable settings of the expert: stop loss, take profit, trailing, breakeven, money management.

## Installation Guide

Foxzard trader EA is easy to install and the process is the same as for any other MT4 EA.

Steps to install:

1. Download the Foxzard Trader EA from the <http://www.foxzard.com> website.
2. Open data folder from your MT4 (Menu File -> Open Data Folder)
3. Open the downloaded zip file (from step 1) and copy the EA file "FoxzardTrader.ex4" into mt4 Data Folder /MQL4/Experts subfolder
4. Restart MT4. Foxzard Trader EA will appear under expert's tab.
5. Attach EA on the chart and make sure to set the **EA\_KEY** and **Signal Indicator name** input parameters.

Note: Only Professional foxzard account users can use Foxzard Trader EA

To get your EA key you need to login to <http://www.foxzard.com> website and create a new EA KEY on your profile homepage using your MT4 account ID.

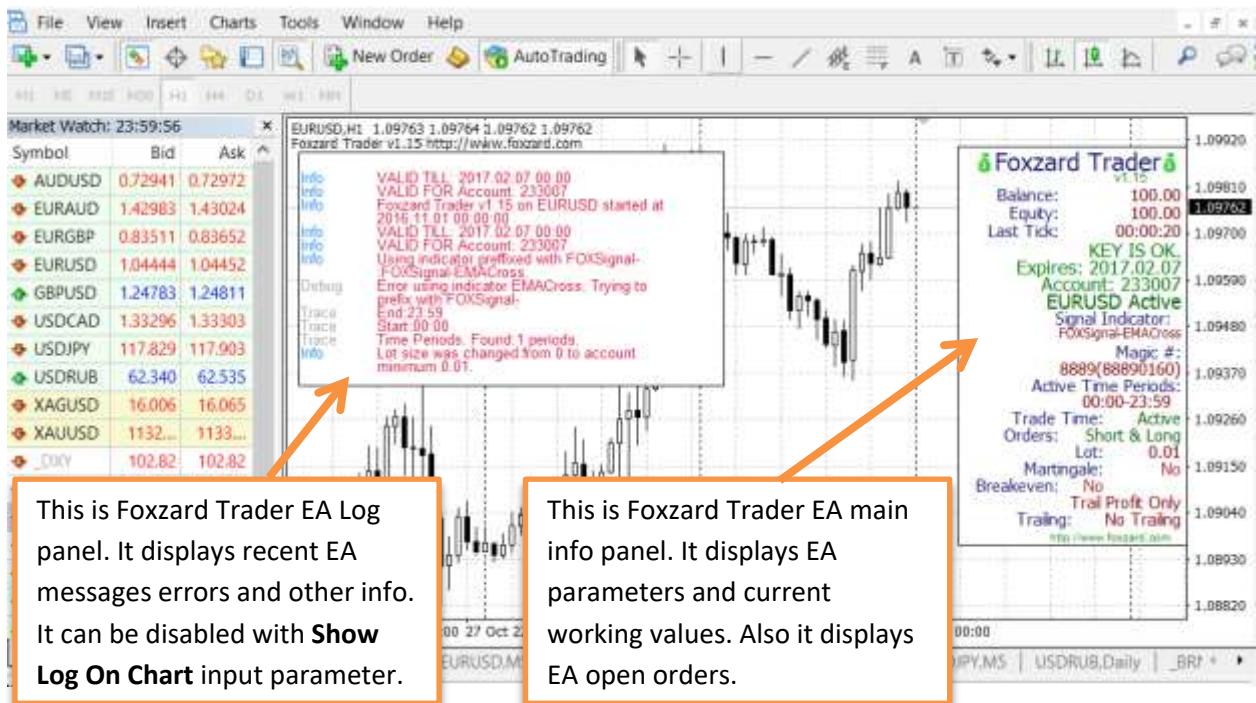
## User Interface

Foxzard Trader EA will look good on both light and dark chart backgrounds



All text is readable and looks good. To change the background use **Color Scheme** input parameter

On the picture below is the common EA look on the light background.

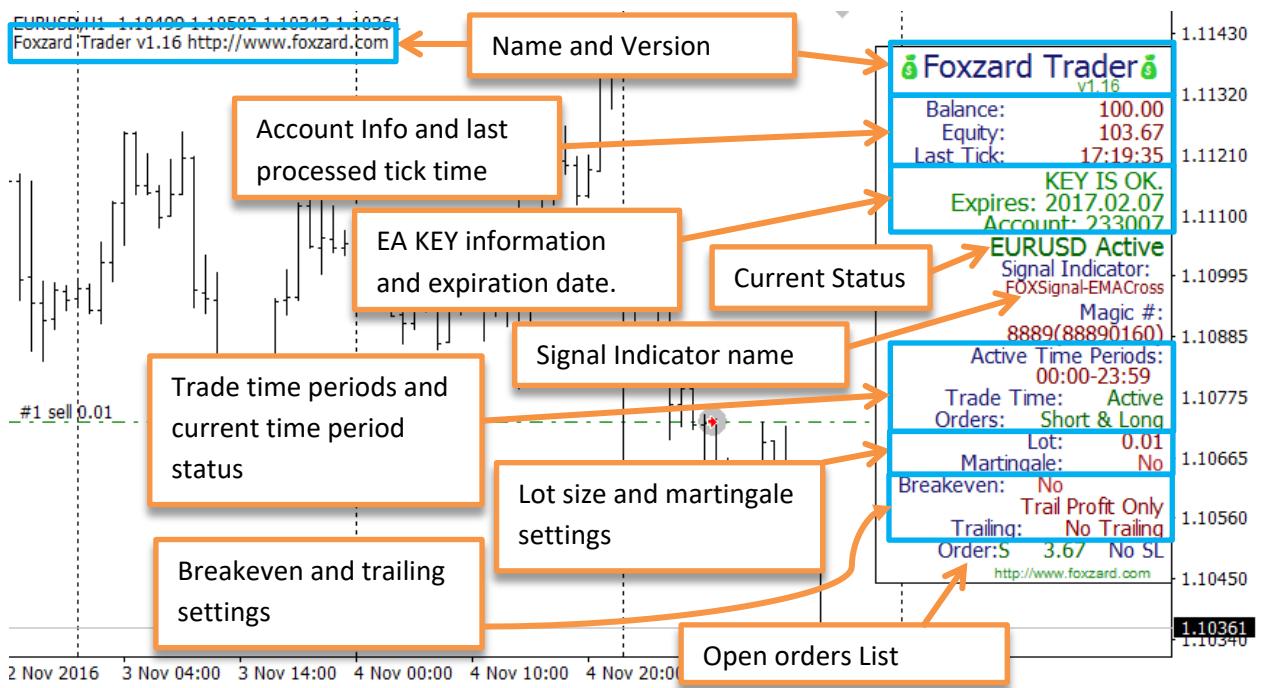


This is Foxzard Trader EA Log panel. It displays recent EA messages errors and other info. It can be disabled with **Show Log On Chart** input parameter.

This is Foxzard Trader EA main info panel. It displays EA parameters and current working values. Also it displays EA open orders.

You can hide both EA log info panel and main info panel. It is very helpful to improve back testing speed. If you want to trade the same pair manually you can open a new chart and configure it as you like.

Foxzard Trader EA common UI details info is on the picture below.



More details about each EA function and input parameters you will find in the next sections of this manual.

## Input Parameters and Default Values

All foxzard trader input parameters with their default values.

1. Global **EA\_KEY** = ""
2. Global **Signal Indicator Name** = ""
3. Global **Initial Lot Size** = 0
4. Martingale **Lot Martingale Multiplier** = 1
5. Martingale **Max Lot** = 0
6. Global **Time To Trade** = "00:00-23:59;"
7. Global **Close on reversed signal** = Yes
8. Global **Ignore Time To Trade When Close On Reversed Signal** = No
9. Breakeven **Enable Breakeven (BE)** = No
10. Breakeven **Pips of Profit When BE Will Trigger** = 55
11. Breakeven **Pips of Profit to fix with BE** = 1
12. Trailing **Trail SL in Loss Zone** = No
13. Trailing **Trailing Method** = No Trailing
14. Trailing **[Simple] Start Pips** = 100
15. Trailing **[Simple] Trail Pips** = 55
16. Trailing **[Parabolic] PSAR Step** = 0.02
17. Trailing **[Parabolic] PSAR Maximum** = 0.2
18. Trailing **[ATRStop] TimeFrame** = current
19. Trailing **[ATRStop] Period** = 12
20. Trailing **[X Bars Back] Number of Bars to Count** = 24
21. Trailing **[X Bars Back] Add Pips** = 10

22. Trailing [Fractal] Add Pips = 10
23. Trailing [Bollinger Bands] Period = 20
24. Trailing [Bollinger Bands] Deviations = 2
25. Trailing [Bollinger Bands] Apply To Price = Low/High
26. Global Initial Stop Loss pips = 0
27. Global Initial Take Profit Pips = 0
28. Global Allowed Orders = Any
29. Global Base Magic # = 8889
30. Global Pips Multiplier = 0
31. Visual Show Chart Info = Yes
32. Visual Show Log On Chart = No
33. Visual Color Scheme = DarkBackground
34. Visual Font Size = 9
35. Global Limit Number Of Open Orders = 9999

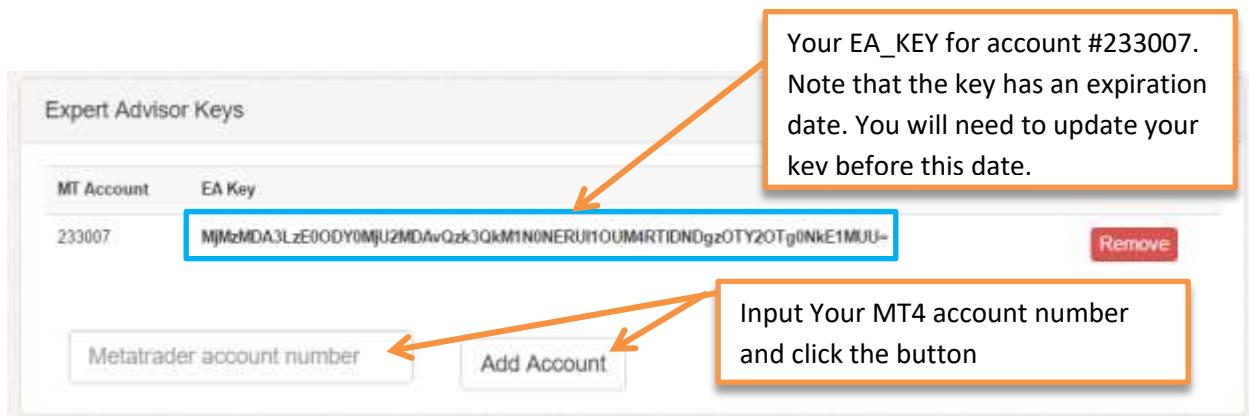
When you start EA for the first time you need to provide **EA\_KEY** and **Signal Indicator Name**.

## Global Parameters

Global Parameters affect the behavior of EA and orders it will track.

### **EA\_KEY = ""**

EA\_KEY is a required parameter. You must provide the EA\_KEY in order to make EA work. To create the KEY you need to create it on the <http://www.foxzard.com> website profile page.



### **Signal Indicator Name = ""**

This is the main parameter that is used to specify the signal indicator. You can use the file name of the indicator like "**FOXSignal-EMACross.ex4**" or just the full name "**FOXSignal-EMACross**" or the name without "FOXSignal-" part "**EMACross**".

Your signal indicator must be installed on your metatrader platform. Make sure that the indicator is under the MT4 Navigator window Indicators subfolder (MT4 menu -> View -> Navigator).

### **Initial Lot Size = 0**

This parameter sets the base lot size for the EA to use. Default 0 value means that the minimal allowed lot size will be used. Note that with the enabled martingale function your lot size will be different and this parameter is the base (initial) lot size for the martingale system.

### **Time To Trade = "00:00-23:59;"**

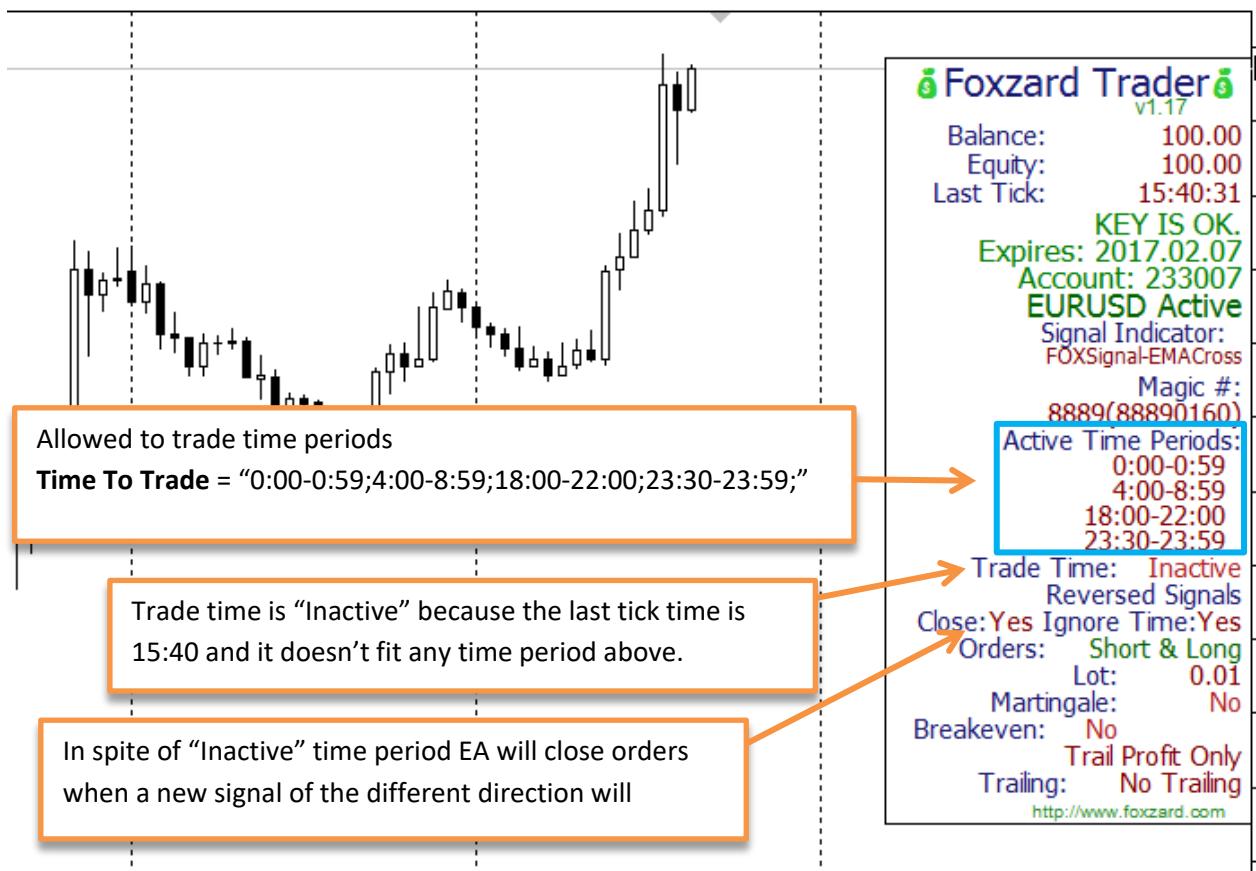
This parameter is a list of time periods when EA is allowed to place orders. By default the value is 00:00-23:59 means that EA is allowed to trade any time. You can specify multiple time periods when EA is allowed to open orders. Use 24h format. Time zone is the same as your MT4. Note that if you want EA to trade during the midnight e.g. 23:00 to 2:00 then you need to set two periods: 23:00-23:59;00:00-2:00;

Note that this parameter can be ignored when both **Close on reversed signal** and **Ignore Time To Trade When Close On Reversed Signal** are set to “Yes”. This means that EA can close position when a new signal of the different direction appears ignoring **Time To Trade** periods.

### **Close on reversed signal = Yes**

EA can close all open orders after a new signal arrives and points a different direction. If you don't want to EA to close positions when the new signal arrives change this parameter to “No”.

NOTE: Some brokers don't allow hedging (orders on the same pair but different direction) positions. If your broker doesn't allow hedging you need to set this to “Yes”.



### **Ignore Time To Trade When Close On Reversed Signal = No**

EA will ignore **Time To Trade** periods when this parameter is set to "Yes" and will close orders according to **Close on reversed signal** rule any time period.

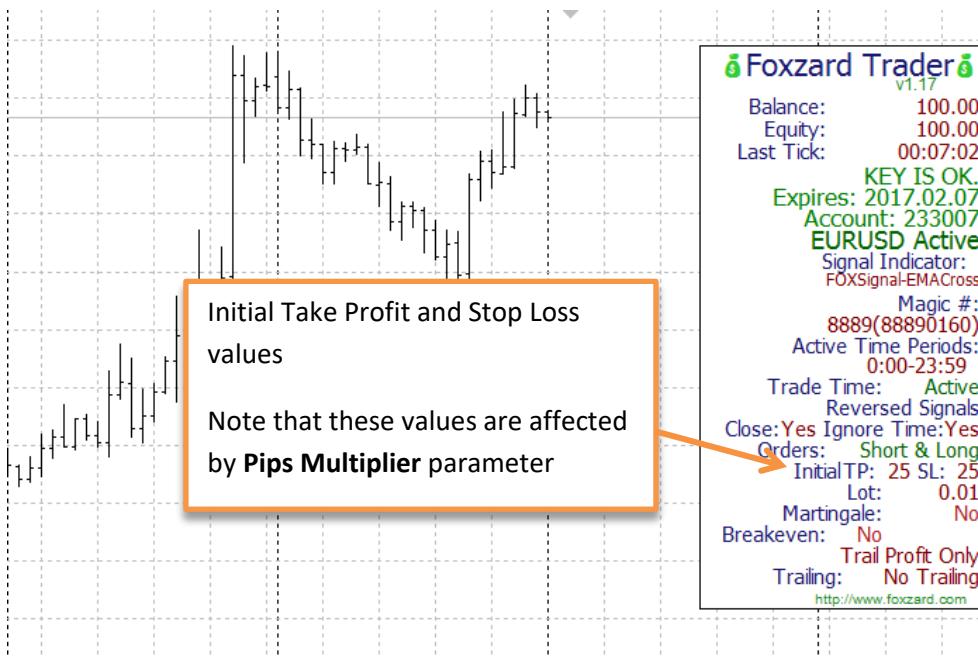
Set to "No" if you want to close orders only during allowed time periods.

### **Initial Stop Loss pips = 0**

This parameter allows you to specify the Stop Loss of a new order in pips that will be set right after opening. Set this parameter to 0 if you don't want to use Stop Loss.

### **Initial Take Profit Pips = 0**

This parameter allows you to specify the Take Profit of a new order in pips that will be set right after opening. Set this parameter to 0 if you don't want to use Take Profit.



### **Allowed Orders = Any**

This parameter allows you to specify which orders EA can open. EA can open both long and short (buy and sell), long only (buy) or short only (sell).

### **Base Magic # = 8889**

Magic number that the expert advisor will use to identify orders. You only need to change this number if you plan to run multiple instances of the EA on the same pair and timeframe. No need to change the value for different pairs/timeframes. Note that the EA will create a unique magic number for the pair & timeframe using the provided base magic number. For example: 8889 will be changed to 88890160.

## Pips Multiplier = 0

This parameter is the multiplier for all other pip input parameters. Default value is 0. EA will automatically detect the account digits. On some specific pairs like gold you can change the multiplier to reflect the value of 1 pip. Valid values are 1, 10, 100 ...

## Limit Number Of Open Orders = 9999

This parameter is used to limit the number of orders EA can open simultaneously. EA will not open new orders when the number of open orders is greater than this parameter value. Note that only orders opened by the current EA instance are calculated.

## Martingale Function Parameters

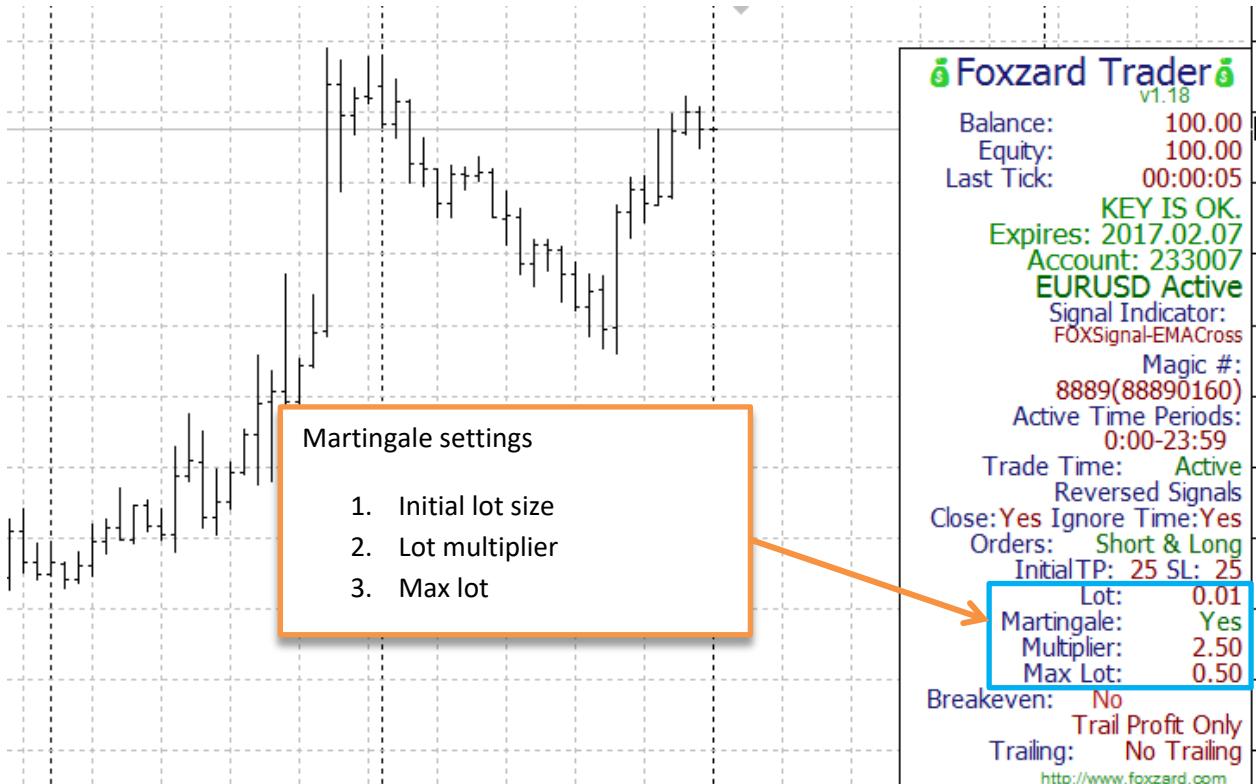
Martingale function allows EA to automatically increase the lot size for the next order after losses.

### Lot Martingale Multiplier = 1

Multiplier used to increase (or decrease) the next lot size after the lost order. Default value of 1 means that the Martingale function is disabled. Usual classical value is 2 meaning that the lot size will be duplicated.

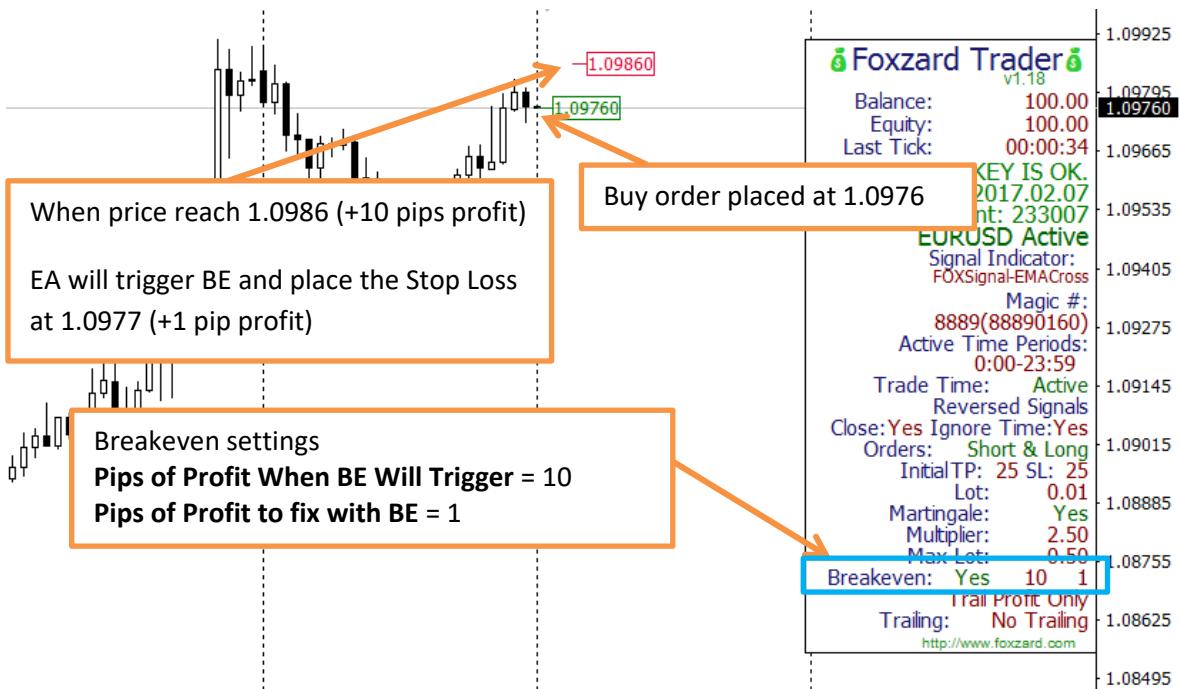
### Max Lot = 0

The max allowed value for the lot size. Use this parameter to limit martingale function. Default value is 0 means that there is no limit.



## Breakeven Function Parameters

Breakeven function allows you to configure EA to move order stop loss in profit zone when the price goes in your favor. For example EA can be configured to set SL at +1 pip when the order profit is +10 pips.



### Enable Breakeven (BE) = No

Set this parameter to Yes to enable breakeven. Set it to No when you don't need breakeven functionality.

### Pips of Profit When BE Will Trigger = 55

This parameter is used to specify pips of profit when EA will trigger breakeven.

### Pips of Profit to fix with BE = 1

This parameter is used to specify where to move the stop loss when the breakeven is triggered.

## Stop Loss Trailing Function Parameters

Trailing stop loss function allows EA to move the stop loss in your favor when order goes in profit. There are many trailing stop loss methods described below.

### Trailing Method = No Trailing

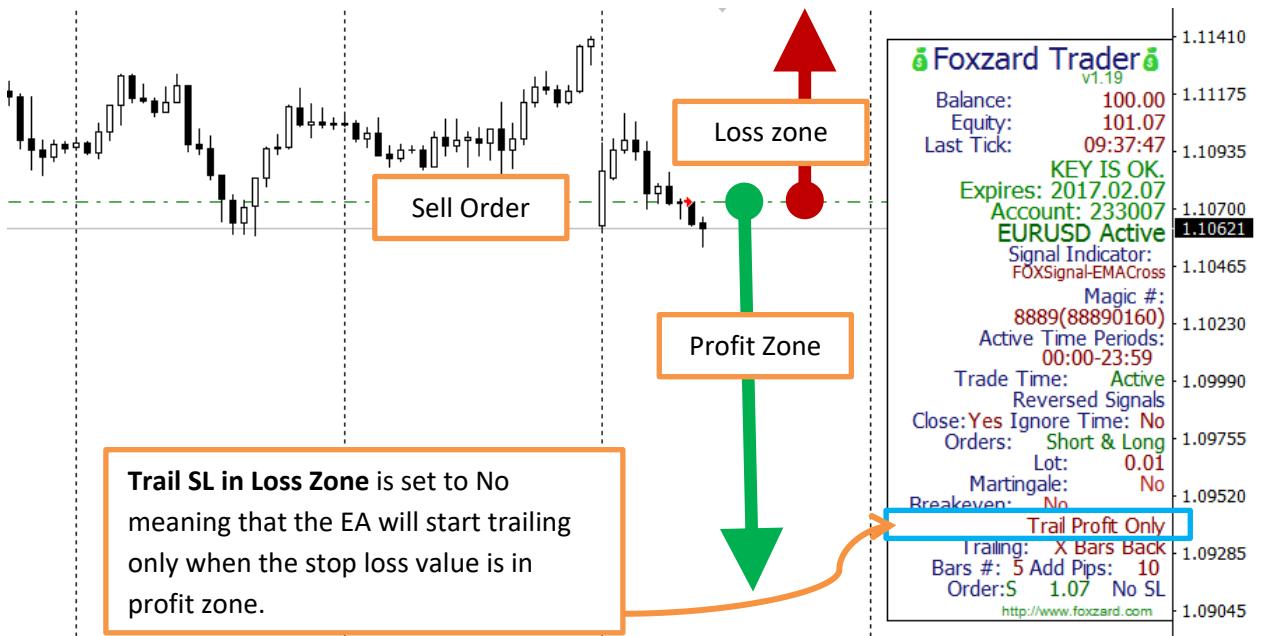
This parameter is used to specify the trailing method that EA will use.

Possible values are:

- No Trailing** – Trailing stop is disabled
- Simple** – Simple trailing stop method
- Parabolic SAR** – Trailing stop using “Parabolic” indicator
- ATR Stop** – Trailing stop with “Average True Range” indicator
- X Bars Back** – Trailing stop using minimum or maximum of last closed bars
- Fractal** – Trailing stop using “Fractal” indicator
- Bollinger Bands** – Trailing stop using “Bollinger Bands” indicator

## Trail SL in Loss Zone = No

This parameter is used to specify when EA starts trailing stop loss. By default it is set to No meaning that EA will start trailing only when stop loss value goes in profit.



## Trailing Method = Simple

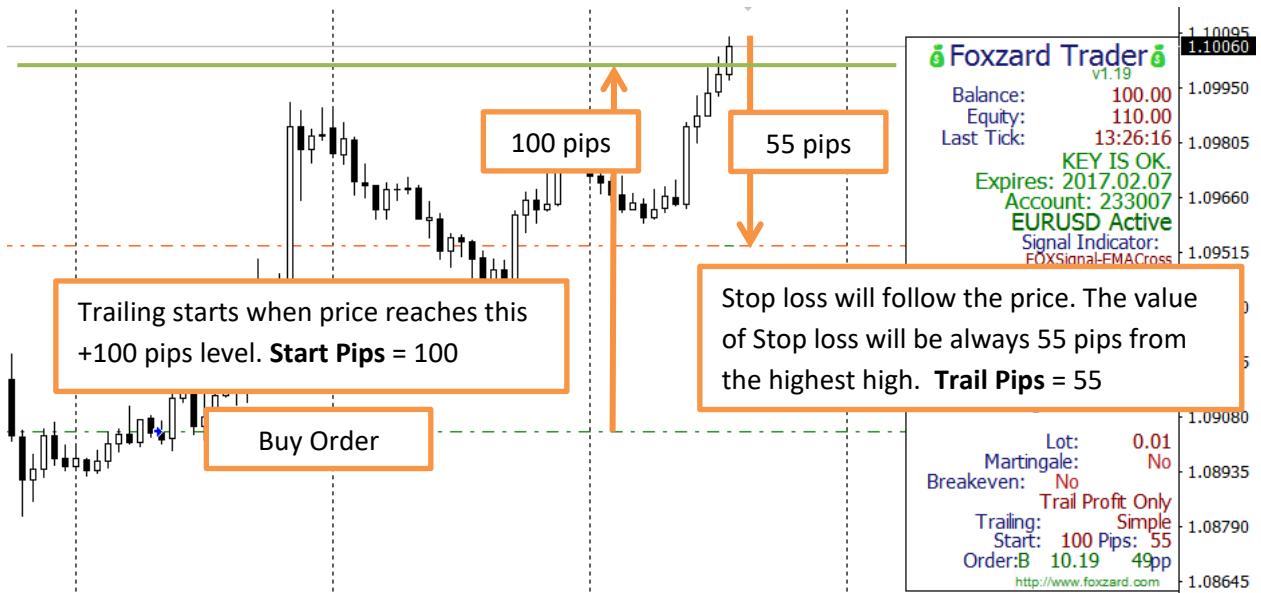
Simple trailing method is used to trail stop loss with a fixed number of pips from the latest highest high or lowest low. The order profit when EA should start trailing can be also specified.

### [Simple] Start Pips = 100

This parameter specifies the order profit in pips when EA should place the Stop Loss (ignored when EA is configured to trail in loss zone **Trail SL in Loss Zone=Yes**)

### [Simple] Trail Pips = 55

This parameter specifies the stop loss distance from the highest high (buy order) or lowest low (sell order). This parameter must be greater than **Start Pips** and account minimum allowed stop loss.



## Trailing Method = Parabolic SAR

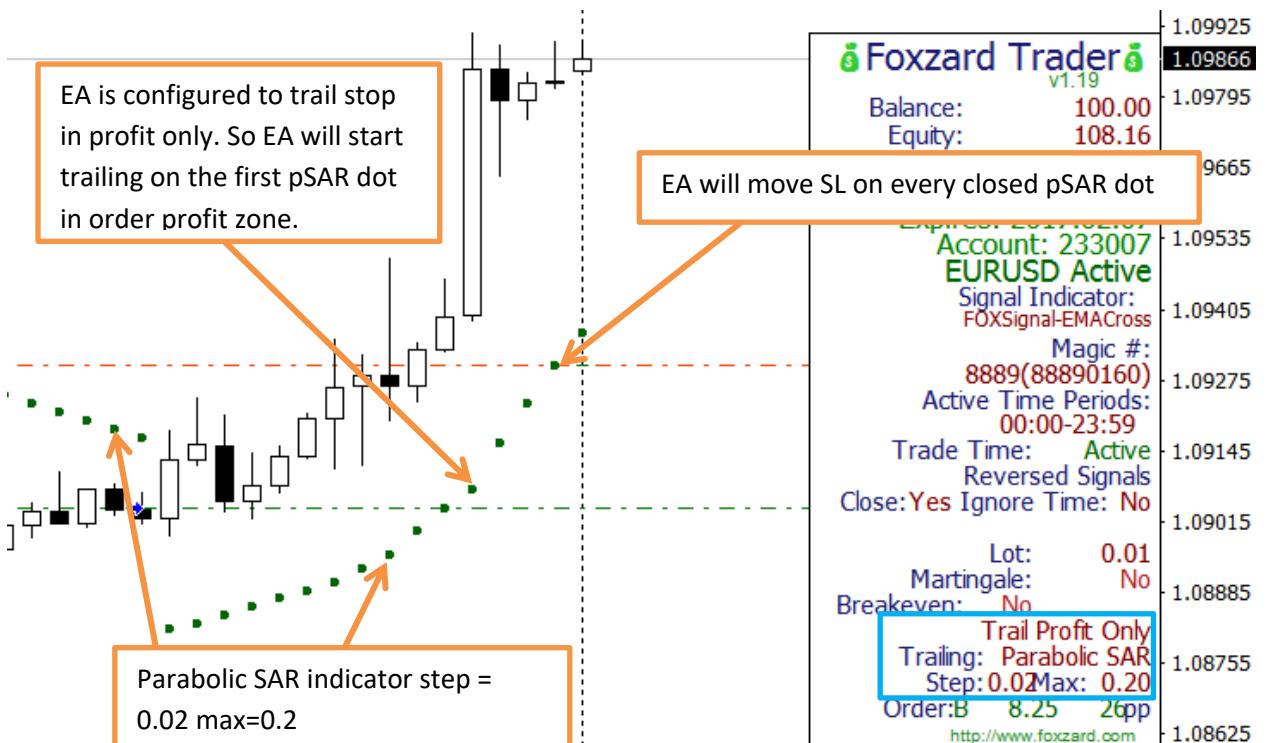
Trailing using built in MT4 "Parabolic SAR" indicator.

### [Parabolic] PSAR Step = 0.02

Parabolic SAR indicator Step input parameter.

### [Parabolic] PSAR Maximum = 0.2

Parabolic SAR indicator Maximum input parameter.

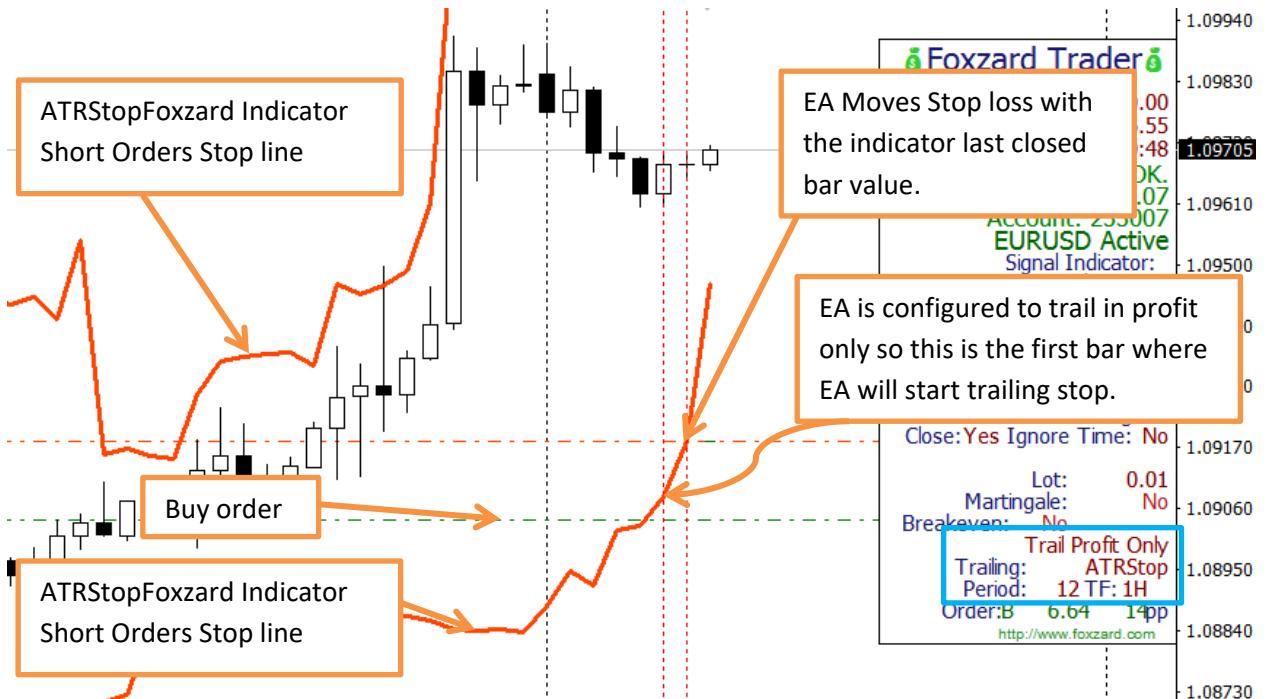


## Trailing Method = ATR Stop

Trailing stop method which uses classical "Average True Range" indicator to identify stop loss values. EA uses a special helper indicator called ATRStopFoxzard (The indicator file must be in your MT4 data /MQL/Indicators folder).

For short positions indicator finds the maximum close of the specified period. Using the found bar it draws the line on top of it adding ATR value to the bar height.

For long positions indicator finds the minimum close of the specified period. Using the found bar it draws the line on bottom of it adding ATR value to the bar low.



### [ATRStop] TimeFrame = current

This parameter specifies the Timeframe where the “ATRStopFoxzard” indicator is attached on. The value can be current timeframe of the EA or one of MT4 timeframes. Timeframe must be greater or equal to the timeframe where EA is attached on.

### [ATRStop] Period = 12

This parameter specifies the period of “ATRStopFoxzard” indicator.

### Trailing Method = X Bars Back

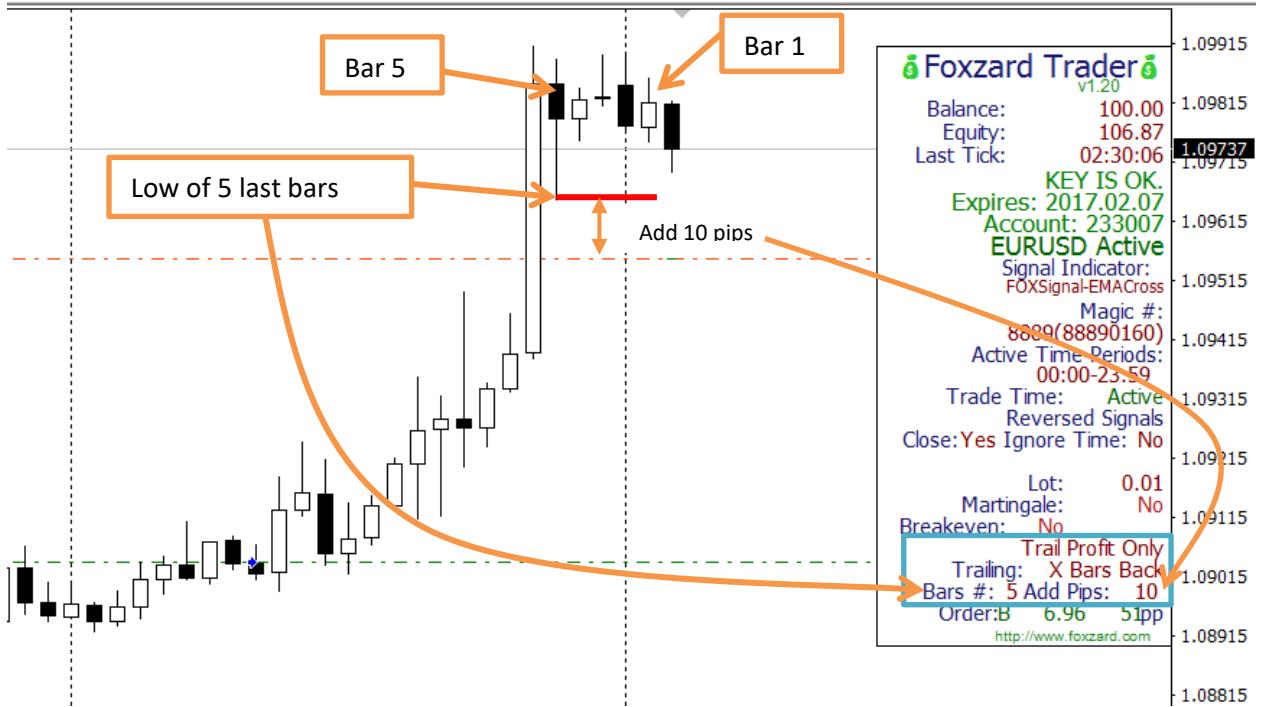
Trailing stop method which uses maximum high of several previous bars to trail stop of sell orders or minimum low to trail stop of buy orders. You can specify the number of bars to count and additional pips to add to the calculated value.

### [X Bars Back] Number of Bars to Count = 24

This parameter specifies the number of bars to find the minimum/maximun.

### [X Bars Back] Add Pips = 10

This parameter specifies the number of pips which will be added to the calculated value.

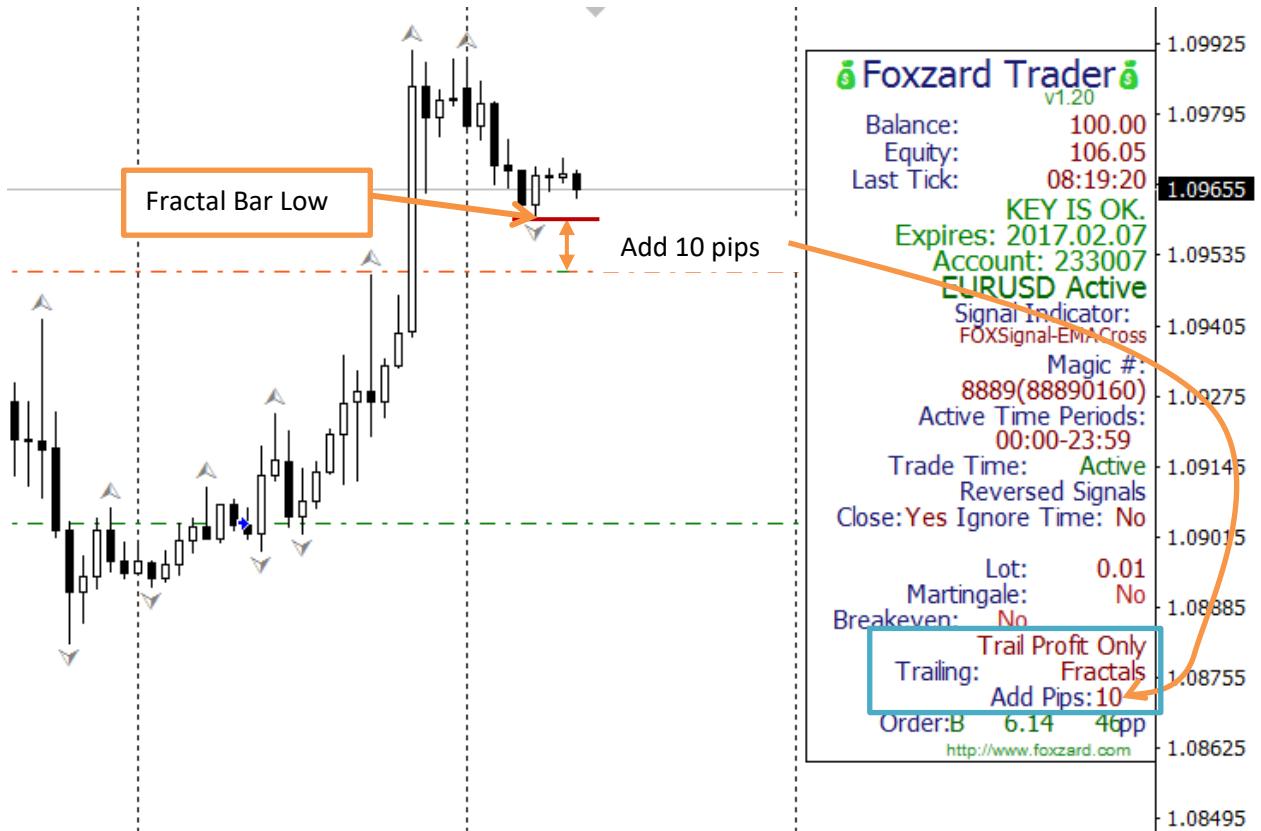


### Trailing Method = Fractal

Trailing stop method which uses classical “Fractal” indicator to identify the order stop loss values.

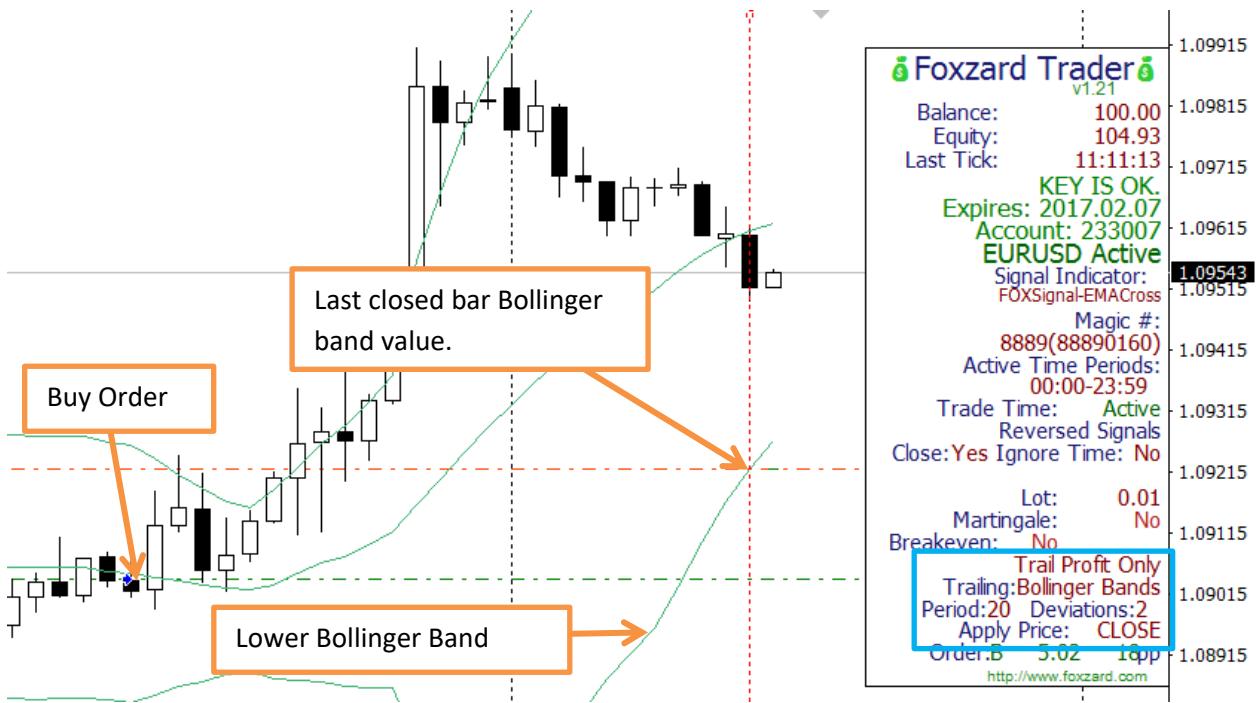
### [Fractal] Add Pips = 10

This parameter specifies the number of pips which will be added to the fractal value.



## Trailing Method = Bollinger Bands

Trailing stop method which uses classical “Bollinger Bands” indicator to identify the order stop loss values. The lower Bollinger line is used to trail buy orders and the upper Bollinger line is used to trail sell orders.



## [Bollinger Bands] Period = 20

Bollinger Bands indicator “period” input parameter.

## [Bollinger Bands] Deviations = 2

Bollinger Bands indicator “deviations” input parameter.

## [Bollinger Bands] Apply To Price = Low/High

Bollinger Bands indicator “Apply To Price” input parameter.

## Visual and User Interface Parameters

Visual and UI parameters allows to change the EA look. These parameters don't affect the EA trading behavior. Note that disabling the UI components of the EA can increase the testing speed.

## Show Chart Info = Yes

This parameter is used to show or hide the left panel with EA parameters.

### **Show Log On Chart = No**

This parameter is used to show or hide the right panel with EA messages.

### **Color Scheme = DarkBackground**

This parameter allows changing the color of the EA text and values. Note that the EA panels background will be set automatically on the first tick.

### **Font Size = 9**

This parameter allows changing the font size of the EA text and values. Note: only change the value if EA doesn't look ok on your MT4 platform. Windows default font settings may affect the EA font size.

## **Help, Support & Questions**

We are ready to answer all your questions on our forum at:

<http://forex-forum.landofcash.net>

You also can contact us via various ways listed on this page:

<http://www.foxzard.com/home/support>



**We wish you big profits!**

*Thank you for reading.*