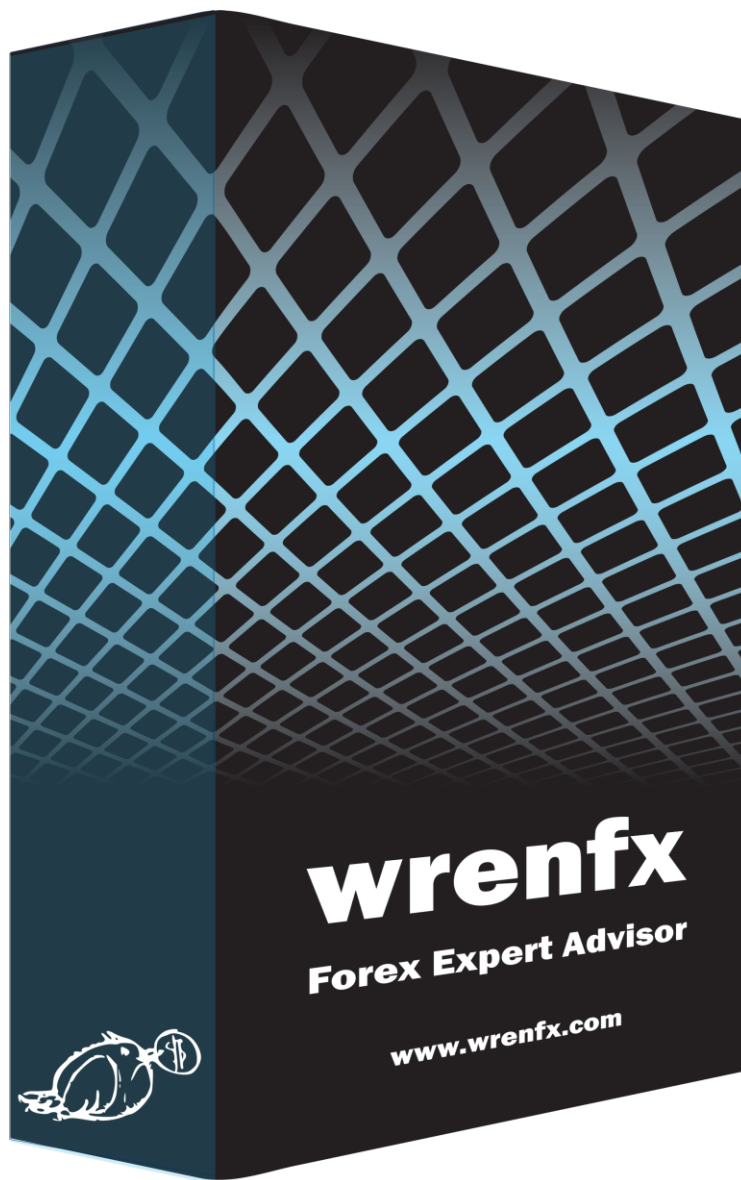




# wrenfx Expert Advisor User Manual



[www.wrenfx.com](http://www.wrenfx.com)

# Introduction

To use wrenfx you should first install the Expert Advisor on your MetaTrader 4 Platform.

Please download the file “wrenfx.zip” from <https://www.wrenfx.com/download/wrenfx.zip> and unzip it.

You can choose either “**Automated Setup**” or “**Manual Setup**”.

## 1. Automated Setup

Please follow below steps.

- Open “**Automated Setup**” folder.
- Run “**wrenfx.exe**”.
- Follow the instructions provided by the installer.

## 2. Manual Setup

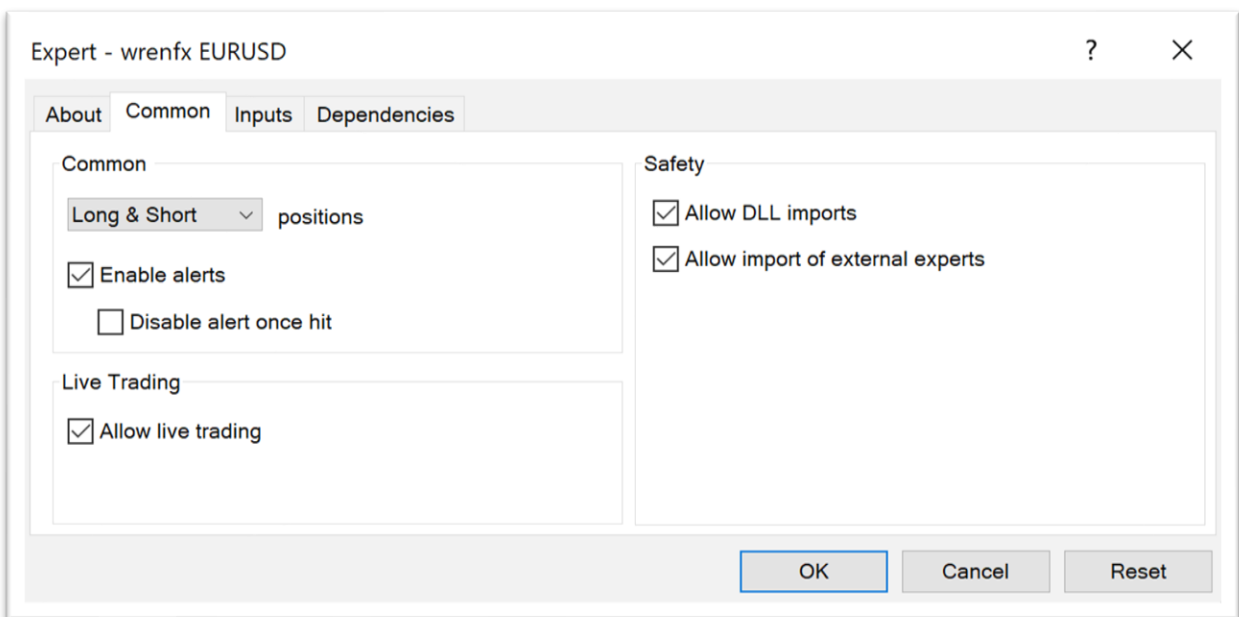
Please follow below steps.

- Open “**Manual Setup**” Folder. There are 3 folders:
  - “**Experts**”
  - “**Images**”
  - “**Libraries**”
- Open “**MetaTrader 4**”.
- Open “**File**” menu.
- Click on “**Open Data Folder**”.
- Open “**MQL4**” Folder. You will see different folders including “**Experts**”, “**Images**” and “**Libraries**”.
- Copy the file “**Manual Setup\Experts\wrenfx EURUSD.ex4**” to “**Experts\**” folder.
- Copy the file “**Manual Setup\Experts\wrenfx EURCHF.ex4**” to “**Experts\**” folder.
- Copy the file “**Manual Setup\Experts\wrenfx USDCHF.ex4**” to “**Experts\**” folder.
- Copy the file “**Manual Setup\Experts\wrenfx USDJPY.ex4**” to “**Experts\**” folder.
- Copy the file “**Manual Setup\Images\wrenfx\_logo.bmp**” to “**Images\**” folder.
- Copy the file “**Manual Setup\Libraries\wrenfx.dll**” to “**Libraries\**” folder.

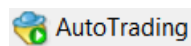
- Restart “**MetaTrader 4**”.

### 3. Using wrenfx Expert Advisor

- Open **MetaTrader 4**.
- Make sure you are logged in to your registered account number.
- Open a “**EURUSD**” chart.
- Set the chart timeframe to “**H1**”.
- In the “**Navigator**” section, under “**Expert Advisors**” double click on “**wrenfx EURUSD**”.
- Select “**Common**” tab. Make sure “**Allow live trading**”, “**Allow DLL imports**” and “**Allow import of external experts**” are checked.



- Click “**OK**” button.
- Make sure “*Auto Trading*” is enabled. The icon should be as follow.

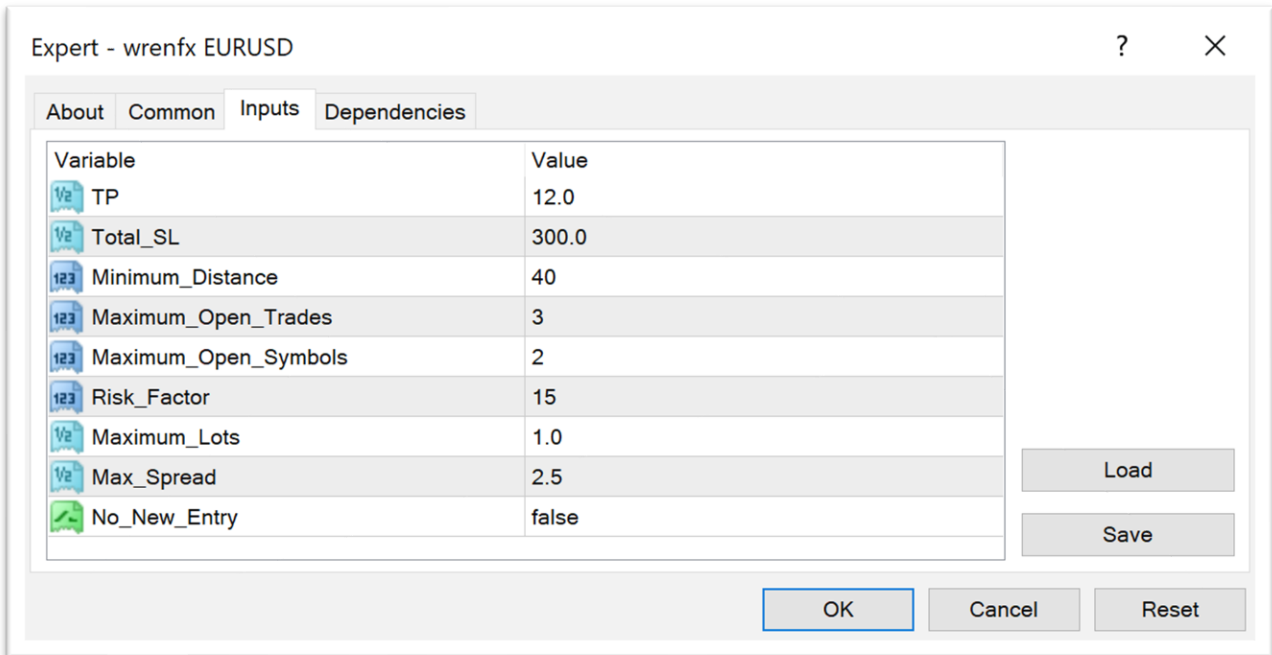


If everything is done correctly you should see the smiley face on the up-right corner of the chart and EA logo on the up-left corner.

- Wait about 10 seconds and if you see “**Account Verified**” message at the chart then everything has been set correctly otherwise make sure you have done all above steps as described.

Please do the same for the symbols “EURCHF”, “USDCHF” and “USDJPY”.

## 4. Input Parameters



- **“TP”**: It determines the desired profit from total open trades in standard pips.
- **“Total\_SL”**: It determines the maximum possible loss from total open trades in standard pips.
- **“Minimum\_Distance”**: It determines the minimum distance between open trades of the symbol in standard pips.
- **“Maximum\_Open\_Trades”**: It determines the maximum possible open orders of the symbol at the same time.
- **“Maximum\_Open\_Symbols”**: It determines the maximum possible open symbols.
- **“Risk\_Factor”**: It determines the trades’ lot size. See next section for more details.
- **“Maximum\_Lots”**: It is the maximum lot size for each trade.
- **“Max\_Spread”**: This parameter determines the maximum allowed spread while opening a new trade.
- **“No\_New\_Entry”**: If you set it to true then the EA does not start a new entry, however it continues to manage the current open orders and may open new supportive orders whenever needed.

## 5. Lot Size Calculations

Lot size for the new trades (New\_Lots) is calculated based on below steps.

$$\text{Elementary\_Lot\_Size} = \frac{\text{AccountFreeMargin}}{\text{AccountLotSize}} \times \text{Risk\_Factor}$$

$$Strategy\_Max\_Lot\_Size = \frac{AccountFreeMargin}{AccountMarginRequired \times \text{Maximum\_Open\_Trades}}$$

$$New\_Lots = \min \{Elementary\_Lot\_Size, Strategy\_Max\_Lot\_Size, \text{Maximum\_Lots}\}$$

The parameters that has been shown by red color are the ones that can be set from the EA's Input section.

"AccountFreeMargin" is the free margin available for trade on your account.

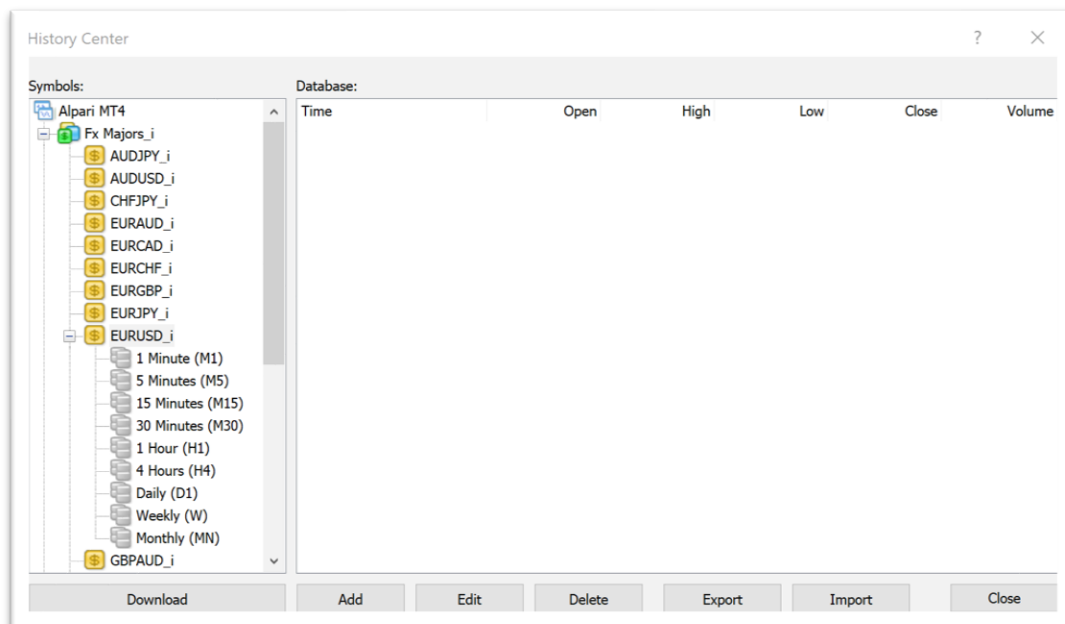
"AccountLotSize" is the size of 1 lots on your account. For example, for most standard accounts it equals to 100,000.

"AccountMarginRequired" is the margin that is required for trading 1 lots and it depends on your broker and your account type.

## 6. Important Notes

To analyze the market wrenfx needs tick data for at least last 14 days so you should make sure there are enough history for all the 4 symbols. The easiest way to do it is using the "History Center" of the MetaTrader.

- Open "**MetaTrader 4**".
- Open "**Tools**" menu.
- Click on "**History Center**".
- From the "**Symbols**" section find "**EURUSD**" and the click on "**Download**" button.



Please wait till the download is completed. If everything goes well then when you click on each timeframe in the “Symbol” section, you should be able to see the tick data at the right section.

History Center: EURUSD\_i,M1

Symbols: Database: 2048 records

Alpari MT4

- Fx Majors\_i
  - AUDJPY\_i
  - AUDUSD\_i
  - CHFJPY\_i
  - EURAUD\_i
  - EURCAD\_i
  - EURCHF\_i
  - EURGBP\_i
  - EURJPY\_i
  - EURUSD\_i
  - 1 Minute (M1)
  - 5 Minutes (M5)
  - 15 Minutes (M15)
  - 30 Minutes (M30)
  - 1 Hour (H1)
  - 4 Hours (H4)
  - Daily (D1)
  - Weekly (W)
  - Monthly (MN)
  - GBPAUD\_i

Time	Open	High	Low	Close	Volume
2021.03.26 22:54	1.17920	1.17932	1.17917	1.17929	31
2021.03.26 22:53	1.17920	1.17924	1.17919	1.17920	21
2021.03.26 22:52	1.17925	1.17926	1.17920	1.17921	19
2021.03.26 22:51	1.17923	1.17926	1.17921	1.17926	46
2021.03.26 22:50	1.17937	1.17937	1.17920	1.17924	78
2021.03.26 22:49	1.17940	1.17952	1.17932	1.17936	119
2021.03.26 22:48	1.17932	1.17941	1.17929	1.17940	47
2021.03.26 22:47	1.17916	1.17935	1.17915	1.17932	61
2021.03.26 22:46	1.17916	1.17918	1.17915	1.17915	18
2021.03.26 22:45	1.17915	1.17918	1.17914	1.17915	32
2021.03.26 22:44	1.17916	1.17918	1.17913	1.17916	34
2021.03.26 22:43	1.17921	1.17923	1.17913	1.17915	44
2021.03.26 22:42	1.17916	1.17929	1.17916	1.17922	35
2021.03.26 22:41	1.17920	1.17921	1.17915	1.17916	31
2021.03.26 22:40	1.17927	1.17927	1.17919	1.17919	35
2021.03.26 22:39	1.17929	1.17930	1.17923	1.17927	26
2021.03.26 22:38	1.17928	1.17931	1.17925	1.17926	32
2021.03.26 22:37	1.17928	1.17930	1.17927	1.17928	10

Download Add Edit Delete Export Import Close

Doing this process is highly recommended before the first use of the EA. You won't have to do it again unless by some reason the history of the MT4 gets deleted.

Please do the same for other 3 symbols.

## 7. Support Service

You may always contact us using our email ([support@wrenfx.com](mailto:support@wrenfx.com)).

Best Regards,

<https://www.wrenfx.com>



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