

HART Users Manual

HART (Heiken Ashi Renko Trader) Expert Advisor

The **HART** EA implements a strategy based on the **Heiken Ashi** indicator applied to **Renko charts**: trades are opened according to the trend computed by a smoothed Heiken Ashi. Only 1 trade in a given direction can be opened at any given time. The EA can run on any financial instrument provided by MT4, however we suggest to run it on the major currency pairs that we backtested: AUDUSD, EURGBP, EURJPY, EURUSD, GBPCHF, GBPJPY, GBPUSD, NZDUSD, USDCHF, USDJPY.

Important: **HART** EA is not supposed to be associated to “standard” MT4 charts. On the contrary it must be applied to “offline” charts generated by a “**RenkoLiveCharts**” EA. . Please read carefully the manual in order to understand how to do that. Of course both EAs are included in the HART package.

REGISTRATION

The registration is **required** for getting free updates. Please fill in the form below, then check your inbox and click on the confirmation link.

Name:

Email:

Installation

The installation process:

1. Copy the “**Cerbero.dll**” file into the “experts\libraries” folder of your MetaTrader 4 installation.
2. Copy “**HART.ex4**” and “**RenkoLiveCharts_pimped_v4.mq4**” into the “\experts” folder of your MT4 installation.
3. Copy “**HA_Smoothed.mq4**” into the “\experts\indicators” folder of your MT4 installation.
4. Copy the **.tpl files** into the “\templates” folder of your MT4 installation.
5. Restart the MetaTrader 4 platform .

How To Apply It

The first thing you have to do is to generate the **Renko chart** where you'll apply the **HART** EA. For doing that you have to use the **RenkoLiveCharts** EA like explained in the following video:

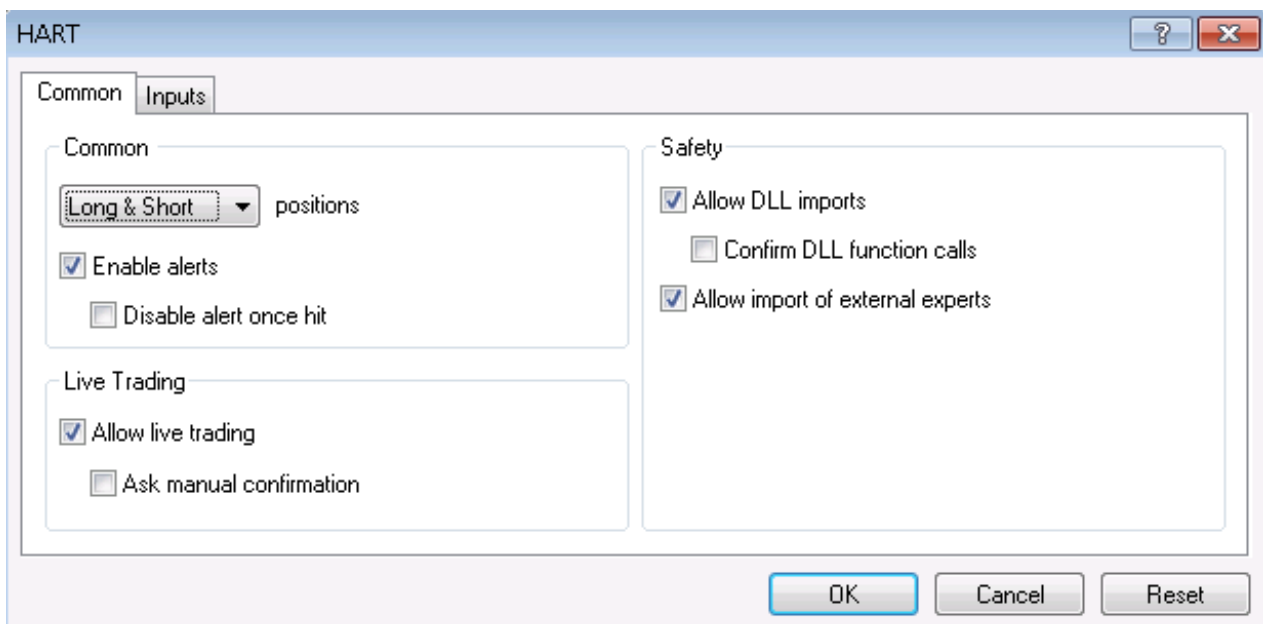
Let's assume you want to generate a Renko chart of EURUSD. In this case follow these steps:

1. open a M1 chart of EURUSD and apply the "**RenkoLiveCharts_pimped_v4**" EA to it (please make sure you have ShowWicks = false and CalculateBestBoxSize = true in the settings)
2. open the "**File > Open Offline**" menu in the top left corner of MT4
3. select "**EURUSD, M2**" and click the "Open" button: a new chart will be opened with the name "**EURUSD, M2 (offline)**"
4. right click with the mouse on this chart, choose the "Template" menu and **select one of the templates** we provided:
 - "**hart_regular**"
 - "**hart_aggressive**"

After applying the template **HART** EA is already attached to the chart.

At this point you must press F7 on the keyboard and you'll see a "**HART**" window that pops up. Like for any EA, this window has two tabs where proper values must be set by the user: "Common" and "Inputs".

The "Common" tab must have values like shown in the picture below:



The "Inputs" tab is shown below:

HART

Common Inputs

Variable	Value
ab e_mail	
ab note1	EA SETTINGS
aggressive	false
123 bar	1
ab note2	MM SETTINGS
1/2 lot_size	0.01
1/2 slippage	5.0
ab note3	NUOVAFX SETTINGS

Load Save

OK Cancel Reset

The “e_mail” input settings must contain the email address you used when purchasing this product (please keep in mind the license is usually activated within the first 24 hours from the purchase).

Please take some time to setup properly the “lot_size” parameter in the Input window according to your money management.

When all the input values are set properly you can click on the “OK” button and **HART** EA will be attached to your chart. A smiling face on the top right of your chart means that the EA is working properly.

The end result on your MT4 platform should be a chart that looks like the following one:



Textual Interface

By default the **HART EA** displays the following text interface:

The interface changes in real time (tick by tick) showing in detail what's happening and what is going to happen. Here is the exact meaning of each row from top to bottom:

- the EA name (HART EA) and version number (first released version is v1.00)
- a copyright notice (www.pimpmyea.com)
- status of the EA and a gauge that displays bars when the EA is running properly
- the Bar that the EA looks back in the history (1 is the last closed bar) and the "Aggressive" setting (TRUE or FALSE)
- the Actual Trend (LONG or SHORT)
- the Previous Trend (LONG or SHORT)
- the Profit&Loss of trades closed by the EA as reported in the MT4 Account History ("Closed Orders Profit")
- the floating Profit&Loss value ("TOTAL Open Orders Value")
- the historical maximum Floating Drawdown experienced while the EA is running ("MAX Floating DD")
- the Lot Size
- the "Slippage"
- additional information related to [NuovaFX](#) (when it is enabled in the EA)

```
=====
HART EA v1.00
www.pimpmyea.com
=====
Status: RUNNING ||
=====
Bar: 1 ( Aggressive: TRUE )
Actual Trend: LONG
Previous Trend: LONG
=====
Closed Orders Profit: $ 0.00
TOTAL Open Orders Value: $ 0.00
MAX Floating DD: $ 0.00
=====
Lot Size: 0.01 lots
Slippage: 5.00 pips
=====
NuovaFX disabled
=====
```

Input Settings

email ()

this field must contain the email address used for the transaction for buying the EA, otherwise it will not be able to authenticate and it will display an "Authorization failed" message on chart.

aggressive (false)

this input discriminate among a more conservative and a more aggressive trading strategy.

bar (1)

this input is the Heiken Ashi bar the EA looks back in the history (1 is the last closed bar).

lot_size (0.01)

the "lot_size" used by the EA when opening trades.

slippage (5)

is the maximum number of pips for order slippage.

filter_news (-1)

This parameter can only be used if [NuovaFX](#) is installed into the MT4 platform, otherwise please leave filter_news = -1 (that means no news filter applied to **HART**).

If 0 NuovaFX will provide ALL news (including Non-Economic ones like Bank Holidays).

If 1 NuovaFX will provide news that have at least a Low impact expected (Low, Medium, High).

If 2 NuovaFX will provide news that have at least a Medium impact expected (Medium and High).

If 3 NuovaFX will provide news that have at least a High impact expected (only High).

minutes_before_news(0)

This parameter can only be used if [NuovaFX](#) is installed into the MT4 platform, otherwise please leave minutes_before_news = 0.

If filter_news>=0 and minutes_before_news=N>0 the EA will refrain from opening new trades when there are less than N minutes from the next incoming news (the type of news being discriminated by the "filter_news" setting).

minutes_after_news (0)

This parameter can only be used if [NuovaFX](#) is installed into the MT4 platform, otherwise please leave minutes_after_news = 0.

If filter_news>=0 and minutes_after_news=N>0 the EA will refrain from opening new trades when there are less than N minutes from the most recent past news (the type of news being discriminated by the "filter_news" setting).

magic_number (25112013)

magic number associated to trades (both Long and Short trades). Please remember to select different magic numbers if you plan to use HART on different charts of the same currency pair with different input settings, otherwise the EAs will conflict with each other.

comment ("HART EA")

the comment associated to orders. If you leave this field blank no comment will be associated to trades.

text_interface (true)

we suggest to select false (disabling the text interface) only when running backtests.

background_color (Purple)

this is the main background color of the textual interface.

Suggested Broker

Although the strategy can work pretty well on any reputable broker, we personally use and suggest [FxPro.com](#) which offers top-rated liquidity providers and very competitive spreads.

Money Management

The rule of thumb is to allocate 1K (1 thousand) USD of balance when lot size = 0.01. This is true for trading up to 10 pairs on the same account.