

NHX V3.0 EA Specifications

TRADING

The EA is to trade on a grid basis with user selected TP, TP averaging, grid size and multiplier settings. When a signal is confirmed it will commence trading in that direction & when/if TP is hit will check that the signal is still valid before opening another trade. TP value to be virtual/hidden but a TP line displayed on the chart for user information purposes.

User selections:

Lot size – user input set value

TP – Take profit in pips for the first position's target.

TP Averaging – if the price moves against the first position and subsequent positions are opened then this value is then used to 'average' the TP value.

i.e. If TP average is set to 3 pips and a second position is opened then the new TP will be calculated to realise 6 pips overall profit from the 2 positions opened at the different prices. (3 positions then 9 pips overall profit and so on)

Grid Size, lot size multiplier and grid size multiplier are standard options and self explanatory.

Defaults: Lot size 0.01, TP 4, TP Averaging 3, Grid 4, Multipliers 1.0

SIGNALS/INDICATORS

SIGNAL FOR TRADING TO COMMENCE & BEHAVIOUR

- The EA is run & trades on the 1M timeframe with a non-lag MA line running on 5M and 2 instances of the ssl_fast-sbar indicator running on 15M and 30M timeframes. As the 5M chart is optimal for visually monitoring I would like the EA to have a "Time frame for trading operation" selector in the control panel so this can be set at M1 and another timeframe chart can be used to view the EA running. (as opposed to it just running on whatever the timeframe of the chart it is applied to).*

- When the non-lag MA indicates a directional trend and ssl_fast-sbar confirms the trend direction on BOTH timeframes** then the EA will activate and start to trade in the direction of the trend.

SIGNALS FOR TRADING TO CEASE/CLOSE.

- GENTLE CLOSE - When/if the non-lag MA changes colour to indicate a change of trend the EA will continue to manage the current open trade and if it closes successfully will not re-open. If the non-lag MA reverses back to the original direction (for the required number of successive completed candles – see later) then normal trading will resume.

- HARD CLOSE - The EA will cease trading and close all open trades for that chart only, taking whatever loss ensues. When either one of the ssl_fast-sbar bars changes colour to indicate an end of current trend upon completion of its time period candle.

** The ssl_fast-sbar indicator is a repainting indicator up until its current candle closes at which point it locks in the trend direction. So for a trend to be initially confirmed then the EA will wait for either the 15M or 30M candle to complete & locks in before it confirms (which will display as 3 & 6 blocks on the 5M chart bar display). Similarly with other timeframes if the indicator is being used on those.

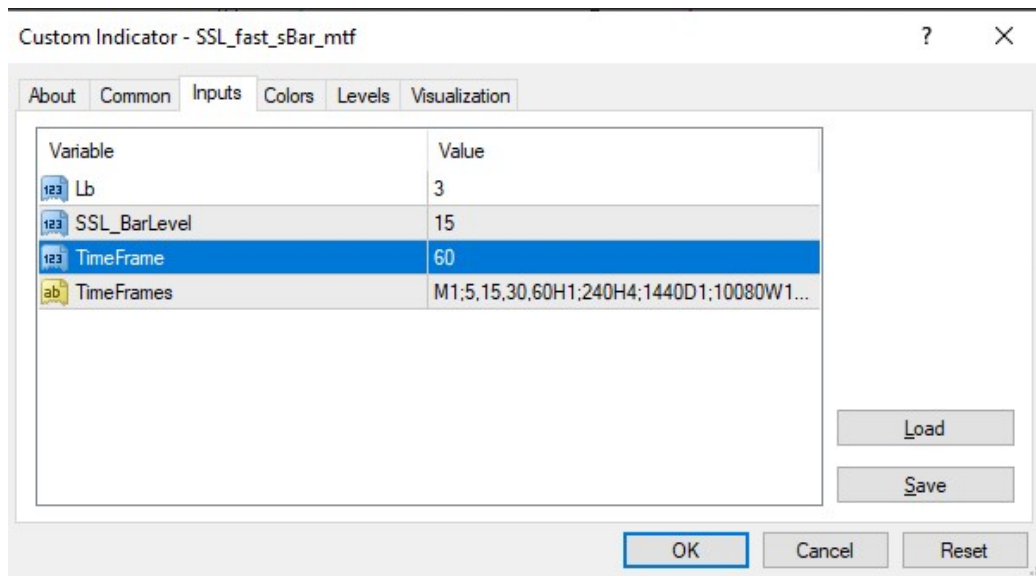
*** Close signal to be taken from either of the fast-sbars changing colour to the opposing trend upon completion of its time period candle

INDICATORS

User defined options in the control panel for the indicators:

SSL-Fastbar indicator:

2 instances with timeframes set to M15 with LB of 8 and M30 with LB of 3 but these values to be user adjustable



As there are 2x SSL-Fastbar indicators used, by default they should both use the settings below. However the user should be able to define the timeframe and Lb (Lookback) for each.

So in Input Settings, by default, you would probably have something like

Use Slow SSL-Fastbar: true
SSL-Fastbar 1 Lb: 8
SSL-Fastbar 1 TimeFrame: 15
Use Fast SSL-Fastbar: true
SSL-Fastbar 2 Lb: 3
SSL-Fastbar 2 TimeFrame: 30

Non-Lag MA indicator:

By default running on the M5 timeframe

Length to be user input

The indicator tends to flicker on its current candle before becoming non-repainting once the candle has ended and also a 'blip' in price can result in a single candle's colour change in the middle of a trend. I would like an option for the user to input how many completed candles the EA considers before recognising a confirmed signal. Both for a trend start/restart and a trend end/change indication.

So options to be: Timeframe, Length, Candles to start trend, Candles to end trend. (Default values 50, 4 and 1)

Setting up on MT4 the Input Settings should look like this

Custom Indicator - NonLagMA_v7.1

About Common **Inputs** Colors Visualization

Variable	Value
Price	0
Length	50
Displace	0
PctFilter	0.0
Color	1
ColorBarBack	1
Deviation	0.0
AlertMode	0
WarningMode	0

Load Save

OK Cancel Reset

However for Input Settings for the EA, we would expect to see just the following for the indicator as default:

Use NonLagMA: true

Timeframe: 5

NonLagMA Length: 50

Candles to start trend: (Default 4)

Candles to end trend: (Default 1)