

## Rules to Automate Trading Strategy

### I. VARIABLES

Horizontal Price Line: fixed at certain prices. Price will cross these upwards or downwards, which will trigger an “open trade” signal. Can be editable in code.

OBV: On Balance Volume indicator

Timeframe: 5 seconds.

Smoothing line: Method=SMMA; Length=100

SSL Channel indicator

Timeframe: 3 minutes.

Period=10

Lime Bollinger Band indicator Settings

Timeframe: Chart

Length: 4999

Source: close

StdDev: 2.1385

Offset: 0

Points

1 point equals 0.10 in the price of US100. 10 points = 1.0 move in price

Position size = Portfolio size \* 0.001

i.e. \$15,000 \* 0.001 = 15 lots

### II. GENERAL RULES

1. Only one trade can be active at the same time.
  - a. If conditions are met for a new trade, but previous order is not fulfilled, the previous order gets cancelled.
  - b. If conditions are met for a new trade, consistent with an existing open trade, no new order is created. For example, if a long trade is active, no new long trades should be opened.
  - c. If conditions are met for a new contrary trade, active trade has to be closed. For example, if a short trade is active, and conditions for a long trade are met, the short trade is automatically closed.
  - d. Trading should be turned off during the following times:
    - 15:50 to 17:10 (UTC-5)
    - 11:00 to 12:00 (UTC-5)Allow for manual pause/restart
  - e. Trading should be automatically paused for 15 minutes if 5 consecutive losing trades happen (stop loss is triggered).

### III. CONDITIONS TO OPEN A TRADE

#### *a. To Open a Long Trade*

##### Conditions

1. Price has to cross Price Line upwards by more than 50 points

AND

2. OBV value has to be greater than smoothing line value.

OR

3. SSL Channel is in “Buy” position for more than 1 candle.

##### Order Details

Pending Order

Buy Price: at crossed Price Line

Take Profit: next horizontal line

Stop Loss: Buy Price - 110 points

Volume: Position Size

Expiration: Same Day

#### *b. To Open a Short Trade*

##### Conditions

1. Price has to cross Price Line downwards by more than 50 points

AND

2. OBV value has to be lower than smoothing line value.

OR

3. SSL Channel is in “Sell” position for more than 1 candle.

##### Order Details

Pending Order

Buy Price: at crossed Price Line

Take Profit: next horizontal line

Stop Loss: Buy Price - 110 points

Volume: Position Size

Expiration: Same Day

#### *c. To open a Lime Bollinger Long Trade*

##### Conditions

1. Price has to cross upwards the top Lime Bollinger band line by more than 50 points

AND

2. OBV value has to be lower than smoothing line value.

OR

3. SSL Channel is in “Sell” position for more than 1 candle.

##### Order Details

Pending Order

Buy Price: top Lime Bollinger band line value

Take Profit: next horizontal line

Stop Loss: Buy Price - 110 points

Volume: Position Size

Expiration: Same Day

#### *d. To open a Lime Bollinger Short Trade*

##### Conditions

1. Price has to cross downwards the bottom Lime Bollinger band line by more than 50 points

AND

2. OBV value has to be lower than smoothing line value.

OR

3. SSL Channel is in “Sell” position for more than 1 candle

##### Order Details

Pending Order

Buy Price: bottom Lime Bollinger band line value

Take Profit: next horizontal line

Stop Loss: Buy Price - 110 points

Volume: Position Size

Expiration: Same Day

#### IV. CONDITIONS TO CLOSE A TRADE

- a. Indicators OBV or SSL flip trend while the trade is active. For example, in a Long Trade if OBV goes from above smoothing to being below it, or SSL channel flips from Buy to Sell, the trade is closed.
- b. Price is below (in a Long Trade) or above (in a Short Trade) the horizontal line for more than 2 minutes.
- c. If price moves 80 points in loss in a Long or Short trade, move Take Profit price from next target to entry price (breakeven). For example:  
Entry Price: 11,500  
Take Profit: 11,523  
Stop Loss: 11,489  
If price reaches 11,492, change Take Profit price to 11,500.

US Nas 100, 5s, OANDA, Heikin Ashi O11152.9 H11152.9 L11150.4 C11150.5 -1.8 (-0.02%)



US Nas 100, 5s, OANDA, Heikin Ashi O11280.9 H11280.9 L11278.9 C11279.6 -0.4 (-0.00%)

On pink line, short trade conditions are met.  
1. Price crosses downwards the horizontal line for more than 50 points.  
2. OBV Value (-7.083K) is lower than the Smoothing Line Value (-6.693K).

Sell price = 10,895.0  
Take Profit = 10,842.0  
Stop Loss = 10,906.0

On blue line, order gets filled.

On yellow line, conditions are met for another trade, but no order is created since active Sell trade is active.

On purple line, price reaches Take Profit level and trade is closed.

USD US Nas 100, 3, OANDA, Heikin Ashi O11280.8 H11291.8... USD

