

Name : Pattern_Trader_v1

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I will appreciate your professional advice where necessary in order to make to ea more efficient and more reliable.

General requirements

1. This is an ea that will trade on MT4 every day automatically without manual interference.
2. It is set to trade minimum of 1 session and maximum of 6 sessions in a day based on the assigned hours. The 6 sessions are to be confined to one day from 0:00 to 23:59. No session shall start in one day and end in next day.
3. Each session will operate independently from the other sessions.
4. There will be no indicator to be used.
5. It must be set to run simultaneously on multiple pairs of currency all in one trade platform.
6. A unique magic number will be assigned to each order placed by the ea. There can be 2 orders placed in one session, so 2 magic numbers are required in each session.
7. The time to use shall follow the broker's MT4 time clock.
8. Stop loss and Take profit are to be made in stealth mode, but to be set as soon as the order is placed.
9. Allow user input for trailing stop
10. Allow user to elect which day to trade
11. Once the orders are placed, they must be made to last until exit conditions are met, regardless whether the computer is switched off and on again.
12. The ea will execute the order from session 1 to session 6 during the day, and will repeat the same routines the following day and the days after.
13. Once the ea is set to run, the first order to place shall be at the **next** Start time of the following session. The current session during which the ea is set to run is to be ignored.
14. The ea must check the prevailing spread (slippage) before an order is placed, if it is great than the value (expressed in pips) input by the user, **skip** placing any order for that session.

Trading period parameters for each session:

Start time: hh:mm

End time: hh:mm

At Start time: place the **right type** of order in according the long or short parameters stated below.

At End time:

(1) close out the open trade to the market price if the order is filled and

(2) delete the order if it is not filled.

The length of trading period for each session is variable. All orders are to be executed precisely at the Start time and closed out or deleted precisely at the End time.

Parameters for a long limit order:

L1 = number of pips below the opening price at the start time = long limit **order entry price**

L2 = stop loss = number of pips below **order entry price**

L3 = take profit = number of pips above the **order entry price**

Illustration 1

Start time: 09:00

End time: 12:59

Market quote at 09:00; bid 1.31923, ask 1.31939

Market **bid** price at start time = 1.31923

L1 input = 83 (range 1 to 9999 integers)

L2 input = 168 (range 1 to 9999 integers)

L3 input = 273 (range 1 to 9999 integers)

At 9:00 generate a long limit order as follow:

Long order entry price = 1.31840, stop price = 1.31672, take profit price = 1.32113

If it is a yen pair which has 3 digit price quote, market **bid** price = 83.674

Using the same logics,

Long limit entry price = 83.591

Stop price = 83.423

Take profit = 83.864

At 12:59 if the order does not meet the exit conditions

(1) close the trade to the market price if it is filled during the session

(2) delete the order if it is not filled during the session

Parameters for short limit order:

S1 = number of pips above the opening price at the start time = short limit **order entry price**

S2 = stop loss = number of pips above **order entry price**

S3 = take profit = number of pips below the **order entry price**

Illustration 2

Start time: 13:00

End time: 15:59

Market quote at 13:00; bid 0.92334, ask 0.92353

Market **bid** price at start time = 0.92334

S1 input = 115 (range 1 to 9999 integers)

S2 input = 230 (range 1 to 9999 integers)

L3 input = 425 (range 1 to 9999 integers)

At 13:00 generate a short limit order as follow:

Short order entry price = 0.92449, stop price = 0.92679, take profit price = 0.92024

If it is a yen pair which has 3 digit price quote, and the market **bid** price = 108.472

Using the same logics,

Long limit entry price = 108.587, Stop price = 108.817, Take profit = 108.162

At 15:59 if the order does not meet the exit conditions

(1) close the trade to the market price if it is filled during the session

(2) delete the order if it is not filled during the session

Please study and understand the above 2 illustrations, pay particular attention to the correct decimal places, the correct mathematic calculations based on the **first** opening **bid** price at the Start time.

Inputs table should include the followings:

-----Session 1-----

Allow session1 Trade **True/False**

Session 1 Start time:

Session1 End time:

Allow session 1 Long **True/False**

Long Magic Number1:

Session1 L1:

Session1 L2:

Session1 L3:

Allow session 1 Short **True/False**

Short Magic Number2:

Session1 S1:

Session1 S2:

Session1 S3:

-----Session 2-----

Allow session 2 Trade **True/False**

Session 2 Start time:

Session 2 End time:

Allow session 2 Long **True/False**

Long Magic Number3:

Session2 L1:

Session2 L2:

Session2 L3:

Allow session 2 Short [True/False](#)

Short Magic Number4:

Session2 S1:

Session2 S2:

Session2 S3:

-----Session 3-----

Repeat the same logics for session 3 to session 5

-----Session 6-----

Allow session6 Trade [True/False](#)

Session6 Start time:

Session6 End time:

Allow session6 Long [True/False](#)

Long Magic Number11:

Session6 L1:

Session6 L2:

Session6 L3:

Allow session6 Short [True/False](#)

Short Magic Number12:

Session6 S1:

Session6 S2:

Session6 S3:

Lot size : [0.01 to 99.99](#)

Maximum slippage allowed: [0 to 999](#)

Trailing stop: [0 to 9999](#)

Monday [True/False](#)

Tuesday [True/False](#)

Wednesday [True/False](#)

Thursday [True/False](#)

Friday [True/False](#)

Comments:

ptss1 for trade placed in session 1,

ptss2 for trade placed in session 2,

.....

ptss6 for trade placed in session 6.

Conclusion

The completed ea must be able to perform the following functions consistently

- To open new order **precisely** at the designated start time
- **Right type** of orders with stop price and take profit price are placed in accordance to variables input by user in each session
- The price of new limit entry order is **exactly** open **bid** price - L1 or open **bid** price + S1.
- To close all trades and orders at the designated End time **without fail**.