

# 1 Introduction

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- Good day can you please design for me an EA that will work on MT4. suitable for all currency, indices and commodity
- The EA will work on the on any timeframe but based on certain condition.
- The Mt4 EA that will be working based on based on the TDI indicator.
- The EA must be able to send notification on telegram
- The EA must be able to place order on market execution, pending orders, **(buy limit and sell limit)**.
- The EA must be able to work on all timeframe base on certain condition
- The user must be able must able to enable the time period on which the EA should operate.
- The EA the stop loss must be hidden from the broker

Example the user can set the EA to operate from 08:00 AM to 09:00 PM

- The User must be able to select if the EA will send signal only or if the EA can take trades only or both.
- Once all the conditions are met, the EA should be highlighting a specific candle based on certain conditions
- Stop Loss = user defined
- Take profit = user defined
- Half take profit defines by the user
- Break even option = user defined
- Manual Lot size for each trade = user defined
- Automatic Lot size (calculated using percentage of equity) = user defined
- Number of trades per single entry (example entre with 3 trades on one entry)
- The option of taking half of the profit if we reach the target must be available
- On the Screen the EA must able to show the sell limit, buy limit, buy stop and sell stop
- The EA must be able to show the risk percentage and drawdown
- The EA must be able to show the number of pending orders that active and non-active

Here is a typical example of information that the EA can display but we will discuss this

```
▼ EURUSDp, M5 1.09445 1.09458 1.09445 1.09457
Broker Time is: 20:10:18
=====
Equity Protection % Set: 50.00%      Next Holiday Period
Stop Trade % Set: 10.00%           From: (yyyy.mm.dd) To:
Stop Trade Amount: 44723.31        2015.12.18 2016.01.01
Account Portion: 100.00%
Portion Balance: 49692.57          Account % Risked: 50.00%
Money Management is On
Power Off Stop Loss is Off        Draw Down %: 0.00
=====
Starting Lot Size: 0.10
Profit Maximizer is Off          Basket
Profit Potential: 0.00
Profit Trailing Stop: 0.00
Portion P/L / Pips: 0.00 / 0.0
Profit/Loss Max/Min: 0.00 / 0.00
Open Trades / Lots: 0 / 0.00
Move TP by: 30 # Moves: 0 / 2
Max DD: 0.00 Max DD %: 0.00 %
```

## 2 EA component

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- 50 Exponential moving average
- 200 Exponential moving average
- 800 Exponential moving average
- TDI

## 3 Buy conditions scenario

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Once all the condition are met for a buy setup with all the moving average, we will only be focus on the buys setup only

### With the moving averages

- 50 EMA and 200 EMA both has to cross above the 800 EMA to confirm an upper trend.
- After the formation of the buy setup, the EA indicator places the first buy as a market execution, then must highlight the last bearish as a buy zone
- The EA indicator will place a second trade as a buy limit in the in the middle of the buy zone
- And the third trade is a buy limit below the entire buy zone, which the user will define how many pips away from the buy zone

### With the TDI

- Green Signal line on the TDI goes outside the bleu band
- Green Signal line on the TDI goes back inside the band
- Green Signal line cross above Red Signal line inside the blue band



After all these conditions are met, the EA will highlight the last bearish as buy zone, and the EA indicator will place a first buy limit in the in the middle

Very important notice, if the price goes below the entire buy zone 10 pips, the EA will be deleting the highlighted buy Zone and will look for another buy zone after the condition are met

Below are few examples of the scenario.



## 4 sell conditions scenario

Once all the condition are met for a sell setup with all the moving average, we will only be focus on the sell setup only

### With the moving averages

- 50 EMA and 200 EMA both has to cross below the 800 EMA to confirm a down trend.
- After the formation of the sell setup, the EA indicator places the first sell as a market execution, then must highlight the last bearish as a sell zone
- The EA indicator will place a second trade as a sell limit in the in the middle of the buy sell zone
- And the third trade is a sell limit above the entire sell zone, which the user will define how many pips away from the sell zone

### With the TDI

- Green Signal line on the TDI goes outside the bleu band
- Green Signal line on the TDI goes back inside the band
- Green Signal line cross below Red Signal line inside the blue band



Below are few examples of the scenario.

