

Scalping Bot using Three MA's

Full Specification Sheet

Overview:

Scalping bot

Accuracy of execution is paramount

Operating on MT5

Operating on any Market Watch Symbols as selected by user (Forex, Commodities, Indices, Virtual Indices)

Operating on any time frame (per chart and timeframe selected by user)

Strategy:

Using 3 Moving Averages (e.g. 10MA, 20MA and 30MA)

With all three MA's is in correct order (e.g. first the 10MA, second 20MA and then third the 30MA) and price starting outside of first MA (e.g. 10MA), then when price moves to 3rd MA (e.g. 30MA) with all three MA's still in same order, trade must be opened at the exact price point of the third MA (e.g 30MA) in the direction of the 1st MA

Example 1:

- Price moves through 1st MA
- Price moves through 2nd MA
- Price moves and touches 3rd MA
- At the time when price touches 3rd MA, the 1st MA and 2nd MA and 3rd MA are still in the correct order (the MA's have not changed in order)
- At the exact instance (not a second later) when price touches the 3rd MA, Bot must open a trade in opposite direction (in this instance a Buy)



Example 2:

- Price moves through 1st MA
- Price moves through 2nd MA
- Price moves to 3rd MA
- At the exact instance when price touches 3rd MA, the 1st MA and 2nd MA and 3rd MA are still in the correct order (the MA's have not changed in order)
- At the exact instance (not a second later) when price touches the 3rd MA, Bot must open a trade (in this instance a SELL)
- **NOTE:** the candle closes outside of the 3rd MA – this is irrelevant. Trade must be opened at the exact instance that price touches the 3rd MA, not when the candle closes



Example 3:

- Price starts outside of 1st MA and moves down
- At the time when price touches 3rd MA, the 1st MA and 2nd MA and 3rd MA are **NOT** in the correct order (the order in this example is 1st MA, then 3rd MA then 2nd MA)
- No Trade



If the order of the three MA's are not in the correct order when price reaches the third MA, no trade must be opened

Bot to include the following selectable operating parameters:

- Use description as per items in **Bold** below, and in the same sequence

1. Select **Risk per Trade:**

% of account risk: xxx (input value of None or from 0.001% to 100%)

Note: If Auto is selected, the Stop Loss determines the Lot Size.

If account is 100\$ with 10% risk, then total risk per trade is 10\$.

Then, a Stop Loss of 100pips must be 0.10\$ per pip

2. Select **Fixed Lot:** Select from dropdown list: True or False

3. Select **Fixed Lot Size:** select value from 0.01 to 100

4. Select **Moving Average 1** parameters:

i.) Period: xxx (input value from 0 to 1000)

ii.) Shift: xxx (input value from 0.00 to 1000)

iii.) Method: xxx (select from dropdown list one of the following: Simple / Exponential / Smoothed / Linear Weighted)

iv.) Apply to: xxx (select from dropdown list one of the following: Open / Close / High / Low / Median Price / Typical Price / Weighted Close)

v.) Select Colour for MA 1

Note: Display selected Moving Average on Chart

5. Select **Moving Average 2** parameters:

i.) Period: xxx (input value from 0 to 1000)

ii.) Shift: xxx (input value from 0.00 to 1000)

iii.) Method: xxx (select from dropdown list one of the following: Simple / Exponential / Smoothed / Linear Weighted)

iv.) Apply to: xxx (select from dropdown list one of the following: Open / Close / High / Low / Median Price / Typical Price / Weighted Close)

v.) Select Colour for MA 2

Note: Display selected Moving Average on Chart

6. Select **Moving Average 3** parameters:

i.) Period: xxx (input value from 0 to 1000)

ii.) Shift: xxx (input value from 0.00 to 1000)

iii.) Method: xxx (select from dropdown list one of the following: Simple / Exponential / Smoothed / Linear Weighted)

- iv.) Apply to: xxx (select from dropdown list one of the following: Open / Close / High / Low / Median Price / Typical Price / Weighted Close)
- v.) Select Colour for MA 3

Note: Display selected Moving Average on Chart

7. Select **Number of open trades** allowed: xxx (input value from 1 to 3)
Only 1 trade to be opened at an opportunity
This option is to allow subsequent trades to be placed if any of the previous trades are still open
 - i.) If 1 is selected, then only 1 trade can be open at any time. New trade cannot open until existing trade has closed
 - ii.) If 2 is selected, then no more than 2 trades can be one at any time. If 2 trades are open and 1 close, then 1 trade may be opened at the next opportunity when new conditions meet requirements.
 - iii.) If 3 is selected, then no more than 3 trades can be one at any time. If 3 trades are open and 1 or 2 closes, then 1 or 2 trades may be opened at the next opportunity when new conditions meet requirements.
8. Select **Take Profit**: xxx (input value from 50 to 1 000)
9. Select **Stop Loss**: xxx (input value from 50 to 1 000)
10. Select **Trailing Stop Loss**: True / False
 - i.) Select **Trailing Start**: xxx (input value from 1 to 1 000)
 - ii.) Select **Trailing From**: xxx (input value from 1 to 1 000)
 - iii.) Select **Trailing Step**: xxx (input value from 1 to 1 000)
11. **Magic Number**: 12345
12. Select **Slippage**: xxx (input value from 1 to 1 000)
13. Select **Maximum Spread**: xxx (input value from 1 to 1 000)
Note: do not open trade if spread is bigger than selected
14. Select **Trading Direction** (select from dropdown list one of the following:
 - i.) Buy Only
 - ii.) Sell Only
 - iii.) Buy and Sell

Display the following on the chart:

1. Moving Average 1 in colour selected
2. Moving Average 2 in colour selected
3. Moving Average 3 in colour selected
4. Position of opened trade (when trade is open)
5. Stop Loss
6. Take Profit