

EXPERT ADVISOR REQUIREMENTS SPECIFICATION

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1. The idea of the trading system is as follows: Market entries are performed when the 'CM_Ultimate_MA_MTF' changes colour and the Wave Trend Oscillator agrees with the market entry direction.

2. Trend: The market entries are also performed in the direction of the Exponential Moving Average (EMA) which shall have an adjustable time period. E.g. If the 20EMA is selected, and a buy signal is confirmed by the CM_Ultimate_MA_MTF and Wave Trend Oscillator, but current price is under the 20EMA no trade shall be taken. An option to turn off the trend direction feature shall be provided.

3. Trading Signals:

- Buy signal: When the CM_Ultimate_MA_MTF is green and the green line on the wave trend oscillator is above the red dotted line on the wave trend oscillator. The current market price must also be above the EMA (adjustable time period)
- Sell signal: When the CM_Ultimate_MA_MTF is red and the red line on the wave trend oscillator is above the red dotted line on the wave trend oscillator. The current market price must also be above the EMA (adjustable time period)

Please see the example screenshot of trade entries and exits below:



4. Positions are closed at opposite signals: Buy positions are closed at Sell signals, and Sell positions are closed at Buy signals (CM_Ultimate_MA_MTF & Wave Trend Oscillator agreement). The position of the Exponential Moving Average in relation to price shall be disregarded. The position of the Exponential Moving Average in relation to the market price shall only be significant when opening a position.

5. Positions are opened: at the market price, when a new bar emerges. The Expert Advisor is to be tested using Open prices.

6. Standard Settings:

Standard settings should remain adjustable on both the CM_ultimate_MA_MTF and the Wave Trend Oscillator

7. Additional features:

Additional features for the Expert advisor shall be as follows:

- Ability to switch between using fixed lot size, risk percentage of equity or risked amount per trade
- Must have all necessary features for backtesting and running on a live account
- Trailing stop and move to break even features
- Multiple Stop Loss and Take Profit Modes including the following
 - a) fixed pip-defined distances
 - b) Stop losses based on the ATR Multiplier
 - c) Stop losses based on the last high/low swing in the last 'X' Bars
 - d) Email and phone push alerts when trades are opened/closed
- Wait for candle close confirmation = true/false

8. Links to source code:

CM Ultimate: <https://www.tradingview.com/script/8KVcQjJM-CM-Ultimate-MA-MTF-V2/>

Wave Trend Oscillator: <https://www.tradingview.com/script/2KE8wTuF-Indicator-WaveTrend-Oscillator-WT/>