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### Algorithm Based EA by Python

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Risk Warning: Margin trading involves a high level of risk, and may not be suitable for all investors. You should carefully consider your objectives, financial situation, needs and level of experience before entering into any margined transactions, and seek independent advice if necessary. Forex and CFDs are highly leveraged products which mean both gains and losses are magnified. You should only trade in these products if you fully understand the risks involved and can afford losses without adversely affecting your lifestyle (including the risk of losing substantially more than your initial investment).

THE BACKTEST RESULTS PRODUCED BY EA FROM STRATEGY TESTER ARE BASED ON SIMULATED OR HYPOTHETICAL PERFORMANCE RESULTS THAT HAVE CERTAIN INHERENT LIMITATIONS. Simulated results do not represent actual trading. Please note that simulated trading results may or may not have been back-tested for accuracy and that spreads/commissions are not taken into account when preparing hypothetical results.

Click here to view the backtest result: [bit.ly/30sRHQX](https://bit.ly/30sRHQX) and under '**Python Algo**' Folder. **Past performance is not indicative of future results.**

By using this EA, **You agree and accept that Python will not accept liability for any loss or damage, including without limitation to, any loss of profit, which may arise directly or indirectly from use of or reliance on this EA.**

Please register here ( [forms.gle/iN2KJ8xExmjZKceR6](https://forms.gle/iN2KJ8xExmjZKceR6) ) if you wish to use this EA.

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### Introduction

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This EA is designed for TREND trading using combinations of different indicators (come with this package). It only trades when there is confirmations from all indicators. EA also comes with money management and is adaptive for all forex pairs. Highly configurable for all kinds of trading style. This is designed to trade in Daily Timeframe.

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### The Process of EA

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The EA check for signal from Primary confirmation and compares with the Secondary confirmation to see if giving the same direction of the signal (if **c2ndConfirmOn** is turned On). After Secondary confirmation confirms the signal, EA will confirms the overall direction of the trend with Baseline Indicator (if **cBaseLineOn** is turned On) and before the EA makes the trade, will check with the market has enough volume/volatility to trade (if **cVolumeOn** is turned On). Once everything is confirms, will send the order to the broker.

Once the order is sent and position is established, EA will monitor the trade and will move the stop loss (SL) to breakeven (if **c2Trades** is turned On) and automatically close the trade (if **cExitOn** is turned On).

**Other Exit Condition:** If primary confirmation detected a change in direction and confirms on the next **cCheckTF** parameter, will close the trade.

**Continuation Trade:** If **cContiTradeOn** is turned On, EA will consider the signals from continuation indicator when there isnt any signals from Primary Confirmation.

#### ----- Base list of parameters -----

	Description	Detail
1	cAccNumber	You have to enter your finesse markets account number here. Without it, this EA will not work
2	cCheckTF	This set the interval to check for signal. This setting should be lower or equal to cTF
3	cTF	This set the confirmation indicators to operate in which time frame
4	cCandleCrossPos	Set the detection of signal: candle 0 means candle still forming (aka real time - not confirm), candle 1 means previous candle (confirmed). (2) is reserved for other purpose and please use number other than 2, eg: 1 (default), 3, 4, 5...
	<b>-- Baseline Setting --</b>	
5	cBaseTF	This set the baseline indicator to operate on which timeframe
6	cBasePeriod	This set the period for baseline indicator
7 8	cUpLimit cDnLimit	This set the trigger to define buy or sell order
	<b>-- 1st Confirmation --</b>	
9	c1stCfmPeriod	This set the period of the first confirmation indicator (Primary confirmation). Timeframe of this is controlled by cTF
	<b>-- 2nd Confirmation --</b>	

10	c2ndCfmPeriod	This set the period of the first confirmation indicator (Secondary Confirmation). Timeframe of this is controlled by cTF
	<b>-- Exit Strategy --</b>	
11	cExitTF	Timeframe of exit indicator to operate on
12	cExitPeriod	This set the period of exit indicator
	<b>-- Volume Strategy --</b>	
13	cVolTF	Timeframe of volume indicator to operate on
14	cVolPeriod	This set the period of the volume indicator
15	cVolMa	This define which moving average calculation to use for volume indicator
16	cVolPrice	This define which price to use for cVolMa
17	cTriggerUp cTriggerDn	This set the bull(+)/bear(-) trigger level for volume indicator
18	cSmLength	This set the smoothing period
19	cSmPhase	This set the smoothing phase
	<b>-- Continuation Trade --</b>	
20	cContiTF	Timeframe of continuation indicator to operate on
21	cContiPeriod	This set the period for continuation indicator
22	cContiUpLimit cContiDnLimit	This set the bull / bear trigger level
	<b>--- Trade Management ---</b>	
23	cAtrTF	Timeframe of ATR indicator to operate on
24	cATR_Period	This set the period of the ATR indicator. SL and TP will be using ATR Value (previous day)
25	cPctOfSLtoBE	(Percentage of Stop Loss to Breakeven) This set the % of SL to breakeven a trade. Please read (below) and understand how this is calculated to fully maximize this EA

26	cPipsOffsetBE	(Pips to Offset after Breakeven) This set the amount of Pips to offset the cost (spread, Swap etc) of the trade
27	cRiskPerTrade	This set the percentage of risk used for a trade. This uses balance amount to calculate the percentage.
28	cAtrSLRatio	Multiplier for calculating stop loss using ATR value
29	cAtrTPRatio	Multiplier for calculating take profit using ATR value
	<p>* <b>Formula</b> to calculate cPctOfSLtoBE:  Using example of ATR value from yesterday = 60pips  Multiply by cAtrSLRatio (say 1.5) = 90 Pips (this will be the 100% of cAtrSLRatio)</p> <p>1. So if cPipsOffsetBE of 10 will be 10% of 90 Pips = 9 Pips - meaning when price goes 9 pips positive, will move the stop loss to open price + numbers of Pips set by cPipsOffsetBE (say 10 pips). So the SL will be 10 Pips above (buy) / below (sell) price.</p> <p>2. So if cPipsOffsetBE of 50 will be 50% of 90 Pips = 45 Pips - meaning when price goes 45 pips positive, will move the stop loss to open price + numbers of Pips set by cPipsOffsetBE (say 10 pips). So the SL will be 10 Pips above (buy) / below (sell) price.</p>	
	-- EA Switches --	
30	cOpsStartTime	Set the GMT time to start checking for signal, where 00:01 mean NY close 1 minute after will start checking for signal and if the signal is valid, will trade the signal
31	cOpsStopTime	set the GMT time to stop checking for signal
	The following will act as a switch to turn the feature/function On (1) or Off (0)	
32	cSlopeCheck	Additional filter to check for slope angle for trade: Volume and Baseline Slope up for Buy and Slope Down for sell
33	c2Trades	(1) will set the 2nd trade to have the Take profit set by cAtrTPRatio and if (0) will only trade 1 with TP set to the value of yesterday's ATR
34	cExitOn	(1) will use signal from exit indicator to exit a trade when the price no longer supports the trend

35	cVolumeOn	(1) will use volume as a filter to enter a trade when there is volume in the market for that pair
36	c1stConfirmOn	(1) will turn the EA on to start checking for signal. set to (0) will prevent EA from checking for signal (default is off when first receive the EA)
37	c2ndConfirmOn	(1) will activate secondary confirmation indicator as additional filter
38	cBaseLineOn	(1) will activate baseline indicator as additional filter
39	cContiTradeOn	(1) will activate continuation indicator as additional signal for trade when there is no signal from primary confirmation indicator

#### ----- **How to Install Custom Indicator** -----

Read here: [fxdailyreport.com/how-to-add-install-custom-indicators-mt4/](http://fxdailyreport.com/how-to-add-install-custom-indicators-mt4/)

- **Please DO NOT RENAME ANY INDICATOR**

#### ----- **How to Install this EA** -----

Read here: [fxdailyreport.com/how-to-add-install-forex-ea-robot-mt4/](http://fxdailyreport.com/how-to-add-install-forex-ea-robot-mt4/)

#### ----- **How to use** -----

- 1) Before using this EA for live trading, please do a proper backtesting on any pair you wish to trade live on. Please use google to find out how to download historical data from metaquotes (mt4) or from other sources to ensure that the data (used for backtest) modelling quality is as high as possible >90% to avoid disappointment.
- 2) Once you're satisfied with the backtest, you can confidently use the EA on your live account.
- 3) Once is on live trading, please monitor and manage your trades closely to avoid sudden market conditions.
- 4) If there is important news on the pair you're going to trade, please consider to close the trade or move your SL or totally avoid it to ensure you're not affected by sudden move from the markets due to news

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### **Bug Reporting**

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Please feel free to report any repeatable bug to confirm is the issue. With screenshot, period of test is appreciated. Please contact the developer via telegram [t.me/vnpython](https://t.me/vnpython)

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### **Business Opportunity**

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This EA is provided freely as a tool for Finesse Markets traders and if you wish to develop forex related business using this EA, please discuss with the developer and see how can both parties support each other for win-win benefits to grow further in this industry.

For enquiry, please contact +84 969 007 280 via telegram, whatsapp, viber for more details.