

The following specification is intended to clarify the work scope and form a reference for the programmer to work to.

Please read the specification though first and ask for any clarifications required prior to starting the job.

- General trading controls for this EA will be
- Trading hours- sets when to place orders in the morning and when to close trades for the day.
- Trading days – allows us to select the days we will trade from - M T W T F
- Calculation of the STRETCH 10MA for last 10 days – trading on the day chart based on the Open Price and the High and Low for the previous day. The “day” is defined as the prices between open and close hours as if this was one candle with an Open, High, Low, and Close, prices
- Order placing order is placed at
 - open plus the stretch value and
 - open minus the stretch value
- When one of the two orders are triggered the other order is closed the open trade stop loss is set at the value the other order was closed at.
- Trade Closing – Trade will be closed at the trade closing hour or at the SL being triggered.
- Lot size lot size will be set manually or by money management
- Money management – is a % number which is the percentage of the pot to be risked in the event the SL is hit. The SL size will be 2 x the Stretch Value if it is hit.
- Volatility trade blocker the amount of ticks in the day divided by the minutes of the day will give the average Ticks per minute if the volatility is running above 5 times the average it will not place the orders
- Max Spread trade blocker if the spread is above 2 pips (Variable)
- Trend indicator should be the 100 day old price against this last complete day price. If this is not at least 5 times (Variable) the Spread then the market is turning

Indications on the Chart

- 100day opening price difference (Trend) show variable as well
- Show stretch for todays trading
- Show Open High Low Close and as calculated by EA
- Show High-Open and Open minus Low Values
- Show order open values for buy and sell
- Show SL when order is open
- Show biggest Stretch since over last 100 days (0 not shown)
- Shows cumulated profits or losses over last 100 days
- Show price difference since 100 day start labelled the change in D1 to D2

Item	Variable	Default value	Description	Order
1	Fixed Lot	TRUE	Trading with a fixed lot size.	1
2	Lot	1	Value of fixed lot size	
3	TP	0	Manual Take Profit (zero means no TP)	
4	SL	0	Manual Stop Loss (zero means no SL)	
5	MM	TRUE	Trade with Money Management	
6	Risk%	1%	Money management Risk Percent trades with the set % value of the pot (variable has 0.0 resolution) The Risk factor be the % of the pot risked for loss - use this value total loss and divide by the SL if set - if no SL set use 25	
7	Trade Times	TRUE	Use trade times True or false	
8	Start_h	8	0 to 23	2
9	Start_m	0	0-60	3
10	Stop_h	18	0-23	4
11	Stop_m	0	0-60	5
12	Days to trade	M,t,w,t,f	5 days trading (optional delete day not trading)	6
13	Stretch_ma	10	Uses day trading hours to calculate the open high low and close of the days trading – for all previous days. These values are then used to calculate last nights 10MA.	7
14	Stretch	TRUE	Use the 10MA Stretch to set the placement of the orders. (when false you can use the next input “ST_m” to manually offset the values.)	8
15	STR	Auto	the calculation of the Stretch is the lowest value between the Two values examined - the value of the 10MA plus the difference between the open price and the High and the open price and the Low. Which ever value is smaller is used to add to the 10MA and place an order there both above and below the opening price for the day. Once the order opens the other order is made to be the SL for the day.	
16	ST_m	10	Manual value of Stretch to use if “Stretch” is False	9
17	Volatility	5	Calculate the average number of ticks / day as a per minute value for the day. since 100 dys then if volatility	
			Higher than 5 times the daily average – don't open orders.	
18	Spread	2	Max pips spread if spread is higher = no trade	
19	Str_Trend_Ind	Auto	Trend indicator should be the 100 day old price against this last complete day price. If this is not at least 5 times (Variable) the Spread then the market is turning	
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22	Display			
23	Stretch_n	TRUE	Show stretch for todays trading	
24	Candle	TRUE	Show Open High Low Close and as calculated by EA	
25	Stretch_H_L	TRUE	Show High-Open and Open minus Low Values	
26	ORBH and ORBL	TRUE	Show order open values for buy and sell	
27	SL	TRUE	Show SL when order is open	
28	Days01	100	Show biggest Stretch since over last 100 days (0 not shown)	
29	Profit	TRUE	Shows profits or losses over last 100 days	
30	Trend	TRUE	Show price difference since 100 day start labelled the change in D1 to D2	
31	Str_Trend_Ind	TRUE	Trend indicator should be the 100 day old price against this last complete day price. If this is not at least 5 times (Variable) the Spread then the market is turning	
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