Flex EA V4.91
Manual V3.2

Introduction:

I shared the performance of FlexEA V4.91 with my setfile several times in the group chat and got the same questions over and over again. I made this manual to give you all the information you need to know how to use this EA. It took hours and hours of testing and money to make the setfiles become profitable. I share this all for free because the EA was freely provided and several members helped me to build good setfiles for free. I do the testing of my setfiles on my live account. Many times the profits I made are lost in testing. I can only afford a small account. Therefore I like to ask you to consider a donation if you think this manual is helpful and you are making money with my setfiles.

Netelle / Skrill: colognefx@gmail.com

Paypal: **Donate**

For other ways to donate or to just say thank you, please contact me https://t.me/@c010ng3
I do not answer questions that can be found in this manual.

This manual is not financial advice! Use the EA, setfiles and manual at your own risk!
Please read the version updates and recommendations below carefully.

About the EA and setfiles:

Flex EA V4.91 is discussed a lot in the group. Many members think it is a scam. This is because it reads history with backtesting. Although this is true, I found that the EA also reads history during live trading. I once deleted all history of the pair I attached the EA to and got an error message. It did not trade without history.
If an EA reads history, it does not mean it is a bad EA.
The EA has many settings. To make life easier, you can select a strategy. During backtests all of these strategies blew the account (even though it reads history) or had big drawdowns except for the default strategy. But the problem was that the default strategy made only buy trades in live trading. That was where the journey began. I played with the settings as long as I needed to have it trade just like the default strategy. With the Cologne setfile the EA places buys and sells. Live results are available here: https://www.forexfactory.com/cologne/199715#acct.57. Any losses are because I test new settings in my live account to provide you the best possible setfile based on live trading and forward testing.

This EA can be used on all timeframes, but the setfile is optimized for 1 minute timeframe.

Version 1
The setfile is optimized for GBPUSD but it can work very well in other pairs as well. In backtests GBPUSD gave the most profit.
This EA uses martingale if a trade goes against you. If the trade(s) reach the profit amount of 1% of your balance, it closes the trade(s). The EA stops you out if the trade(s) reach a loss of 35% of your balance. Stop outs do happen sometimes and take about 3 days to recover.

Version 2
Thanks to user PaperChasn. He provided me with his Beast Mode set (Beast Mode no longer supported). I tweaked this set to make it slightly more consistent and safer. This is a high risk setfile.
Both setfiles have the following adjustments:
- Pipstep 15
- Pipstep multiplier 1.5
- Stop out at 80% drawdown (only for Beast Mode)
- Time filter (no new trades after Friday 4 p.m.)
- No new trades between 60 minutes before and after 3 star news. Open trades will close automatically if profit is 0.3% or more.

Version 3
- Virtual trading. Thanks to user Raff. He suggested to use virtual trading to make the EA more accurate. This is implemented in Cologne V3 setfile.
- I am no longer developing Beast Mode setfile.
- 2 chart setup. Thanks to user ewillisfx. He suggested using the EA on 2 charts for 1 pair. Don't forget to change the magic number. When the EA places a buy order at the longs only chart, it will continue to place buy orders even if the trend changes to a downtrend.

Copyright Cologne

This can result in a rather big drawdown with no taking profits for a long time. If you have another chart with shorts only open, it allows the EA to open sell orders and close them in profit. It is a bit like hedging.

- Description of the settings added to manual.
- Buy only problem and manual fix. Sometimes the EA stops placing sell orders. It is believed to be an error in the code of the EA. To check if you have this problem, simply look at the info on your shorts only chart and see if Sell Accuracy is the same or higher than the accuracy set in settings.

  If you do have this problem, the solution for most users is to delete global variable GlobalTTPause. In most cases this results in the EA placing sells again. If this does not work, you can try to delete all global variables. Be careful because this might affect the way other EA's work. Global variables are under Tools in MT4 menu at the top of the screen.
- Buy only automatic fix. Added to the zip file is an EA called FixforFlex. This EA must be put on a chart without other EA. This EA checks for the global variable with an interval same as your chosen timeframe.
- Changed time filter during news to 30 minutes before and after.

Installation:

In this guide I will use the example of forex pair GBPUSD. You can use another pair if you like.

1. Open MT4, go to Tools -> Options -> Expert Advisors and checkmark Allow live/automated trading and Allow DLL imports.
2. Install Forex-Flex-EA-4.91 and FixforFlex to your MT4. For a detailed guide about how to install EA's, visit this link:
    https://www.babypips.com/learn/forex/mt4-basics-how-to-install-ea
3. Save the Cologne V3 setfile to a location on your computer.
4. Open 2 charts with GBPUSD and select timeframe 1 minute (or your own desired tf) on both of them.
5. Attach Forex-Flex-EA-4.91 to the first GBPUSD chart. In the settings go to tab Common and select Only Long positions. Make sure Live Trading and DLL imports are checked. Click OK.
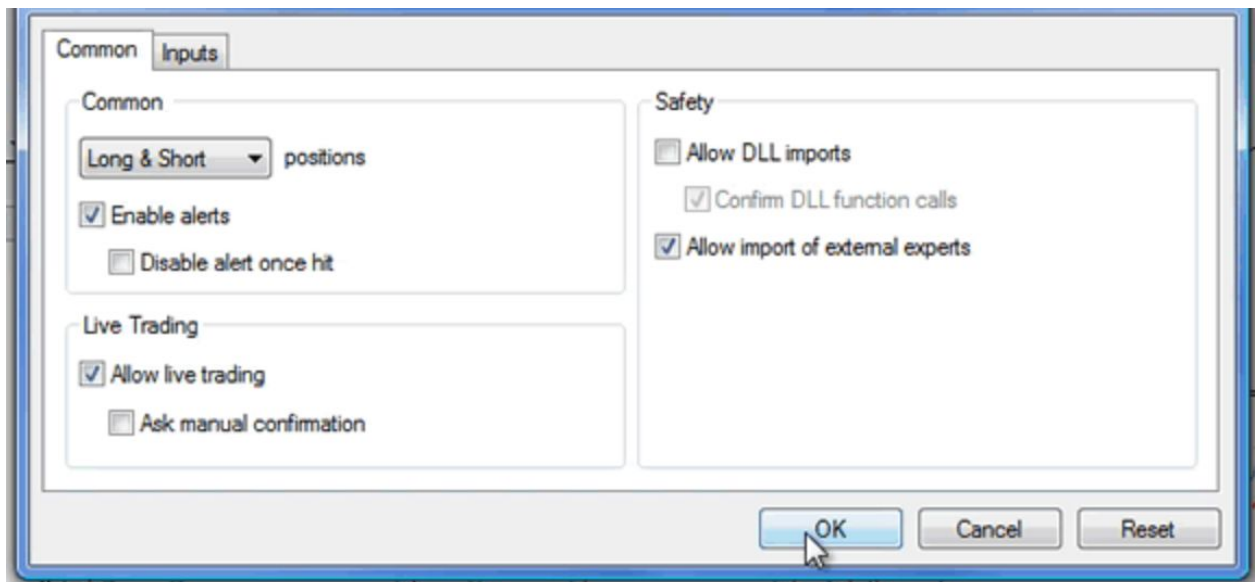
6. At tab Inputs, click Load and select Cologne V3 setfile.
7. Attach Forex-Flex-EA-4.91 to the second GBPUSD chart. In the settings go to tab Common and select Only Short positions.
8. At tab Inputs, click Load and select Cologne V3 setfile. Scroll through the settings until you see EA_Information and change the Magic Number in anything you like as long as it is not the default number. This is very important! Click Save and OK.
9. Open another chart of any other pair.
10. Attach FixforFlex to this 3rd chart. The timeframe of this chart determines at what interval FixforFlex scans for GlobalTTPause. I recommend to not use a timeframe higher than 15 minutes.

Flex settings detailed explanation:

1. **User:** Enter your ForexFlexEA.com user id in the Username field to activate it. This only needs to be done for real money accounts, and should only need to be done on one chart, the rest of the charts will activate themselves.
2. **Strategy** ... Set this to what ever strategy you want Flex to trade, and it will do the rest for you using backend pre-configured settings. The strategy you select here will be displayed on the chart with it's associated settings so you know which one you're running. Using one of these pre-configured strategies means it will use pre-configured settings for these 8 variables (RealTakeProfit, RealStopLoss, PipStep, VirtualTrades, VirtualTakeProfit, LotMultiplier, MaxBuyTrades, MaxSellTrades). If you edit any one of these 8 settings, the strategy will use that new configured value for that variable only.
3. **UseVirtualTrading** ... can be toggled on/off to turn off the virtual trading. Turning it off with otherwise default settings should make Flex trade immediately. This should only be used for testing purposes or if running strategies based solely on indicators and virtual trading isn't needed./li>
4. **RealTakeProfit** = 29.0 ... The take profit used for real trades
5. **AddToTP** ... will progressively increase the RealTakeProfit amount in pips by this amount depending how many trades are open in the basket. If set to 2, it will increase your RealTakeProfit by +2 after one trade, then another +2 at the next trade and so on. You can also set this to a negative number.
6. **AddToSL** ... Works the same as AddToTP above but for your RealStopLoss (if being used)
7. **RealStopLoss** = 0.0 ... The stop loss used for real trades. It's recommended leaving this at 0 for the default settings and using the DD_StoplossPct setting as a stoploss instead.
8. **PipStepMultiplier:** This will multiply the PipStep for each consecutive trade opened in a basket. If this is set to 1.5 and your Pipstep is 10, the pipstep used for your 3rd trade will be 10*1.5= 15, then it will be 15*1.5=22.5 and so on.
9. **LotStepMultiplier** ... This will multiply the lot size of each additional trade in a basket on top of the LotMultiplier. If your 1st trade is 0.10 lots, your 2nd would normally be 0.17, but if you set this to say 1.5 it would make that 2nd lot size like so: 0.10 * 1.7 * 1.5 = 0.25
10. **PipStep** = 21 ... How many pips away from the opening price of the previous trade the market has to move before an additional trade is opened.
11. **VirtualPipStep** = 21 ... The virtual trades will only use this pipstep, and the one above is used strictly for real orders.
12. **VirtualTrades** = 6 ... The amount of virtual trades Flex will use in the background to monitor market conditions to determine a safe entry point. The higher the number, the less frequently it will open real trades. Setting this to something like 8 with a VirtualTakeProfit of 34 will result in very rare, but very precise trades. Setting this to something like 2 or 3 will result in higher trading frequency, but the percentage of winners will drop dramatically. Setting this to zero will result in a trade opening immediately. This works hand in hand with the VirtualTakeProfit below.
13. **VirtualTakeProfit** = 34.0 ... The take profit used for the virtual trades in the background that you never see. It's best to just leave this as is, unless you plan on doing extensive

testing with it first. Lowering this will result in lower trade frequency and look for sharper movements for a retrace. Raising it will result in a higher trading frequency and look for longer drawn out movements for a retrace.

14. **LotMultiplier** = 1.9 ... If any additional real trades are required, the lot size of the last real trade opened will be multiplied by this value for the next trade to open in order to salvage profits.
15. **Accuracy** = 100 ... The default 100 means it will follow the virtual buy and sell signals 100%. If you lowered this to say 50%, that means the buy or sell signal would only have to get 50% of the way for real orders to be triggered. The lower you set this, the higher the trading frequency. Setting this to something like 75% or higher is reasonable if you want a little more action. (Minor 1.1 Bug - If you set this lower to 100 and have VirtualTrades set to zero, it will not trade. This must be left at 100 if you're trading with no virtual trades until we patch this in 1.11)
16. **MaxBuyTrades** = 5 ... The max amount of buy orders that can be opened on the each respective currency pair.
17. **MaxSellTrades** = 5 ... The max amount of sell orders that can be opened on the each respective currency pair.
18. **UseSameTP** ... This will control whether your basket of trades are modified to always share the same TP or use individual TPs.
19. **UseSameSL** ... This will control whether your basket of trades are modified to always share the same SL or use individual SLs.
20. **WaitForNextBar** ... setting that will wait for the current bar to close before entering a trade if one is ready to open. Good for waiting out market spikes where Flex may get in too early.
21. **ResetDataOnFriday** ... Added ResetDataOnFriday which will reset all virtual data for that chart every Friday at the CloseHour set.

LOT CONTROL

22. **MM** = on ... If you want Flex to calculate your Lot sizes based on your account balance. Turn this off if you want to use the ManualLot setting below.
23. **Risk_** = 0.3 ... 0.1 - 0.3 is low risk, 0.4 - 0.9 is medium risk, 1.0+ is high risk. Risk controls your starting lot size based on your account balance and leverage. It has no effect on how often Flex will trade. Some micro accounts with high leverage may require a higher number here than usual. You should always start out with the starting Risk of 0.3 or lower and then increase slowly from there if you want a bit more profits. This setting only controls lot sizes, not the frequency of trading.
24. **Risk_Type** = Account_Balance ... By default this will base the risk off your account balance. Change this to Account_Equity to base risk of your account equity. Switching to equity will make Flex open smaller lot sized trades during large draw downs.
25. **ManualLot** ... To use the lot size inputted here, you must turn MM to off.

SPREAD & SLIPPAGE

26. **MaxSpread** = 7 ... This is the max number of pips in spread allowed on a currency pair for Flex to trade.
27. **Slippage** = 6 ... Slippage is defined as the difference in pips between the order price and the execution price for a particular transaction.
28. **RestartSlippage** = 10 ... Flex will now save any built up virtual trades incase of a MT4 crash or reboot, but upon restart if the price that was logged when MT4 closed and the price when you load your MT4 back up differs more than this settings amount in pips, it will reset the counts. Setting this too high can seriously affect the accuracy of that signal.
29. **RestartHours** = 10 ... Same thing as the RestartSlippage but this is the amount of hours your MT4 was down. Setting this too high can seriously affect the accuracy of that signal(unless it was a weekend)

TP & SL CONTROLS

30. **DD_SL_Mode**: This is a new setting that can be set to 'thisChart' or 'allCharts'. If set to 'thisChart', the DD_StopLossPct on that chart will be used for that charts trades only. If you change this to 'allCharts', the DD_StopLossPct of that chart will be used for ALL open Flex trades from all charts. Same thing goes for the PauseAfterStopOut depending on what you set it to. It will pause 'thisChart' or 'allCharts' if the DD_StopLosPct is triggered.
31. **DD_TP_Mode**: This is a new setting that can be set to 'thisChart' or 'allCharts'. If set to 'thisChart', the FloatingTP_Pct on that chart will be used for that charts trades only. If you change this to 'allCharts', the FloatingTP_Pct of that chart will be used for ALL open Flex trades from all charts.
32. **DD_StoplossPct**= 35 ... This is the percentage each chart Flex trades can potentially use of your account balance. If reached by a single chart, all of it's corresponding trades will close. You're welcome to lower this on each chart to a more reasonable level just don't go too low. 10-30 is a good range with a low risk number.
33. **DollarSL**: A stop loss based on the dollar amount a basket of trades is in loss before it closes. Whether or not it calculates trades from each chart separately or all together depends on if you have the DD_SL_Mode set to thisChart or allCharts.
34. **DD_Pause**= 15 ... This setting will prevent new charts from opening trades if your current total draw down is equal to this percentage or more. So if you have -25% draw down and EURUSD Flex wants to open a trade, it will be rejected and it's virtual trade data reset. This is a good way of controlling exposure.
35. **FloatingTP_Pct**= 1 ... The percentage in floating trade profit of your account balance to close all open trades.
36. **DollarTP:** A Take profit based on the dollar amount a basket of trades is in profit. Whether or not it calculates trades from each chart separately or all together depends on if you have the DD_TP_Mode set to thisChart or allCharts.
37. **PauseBasketsAtDD** ... will prevent additional trades of a basket from opening until DD is back under the DD_Pause value
38. **PauseAfterStopout**= true ... If the DD_StopLossPct happens, then that chart will not be allowed to trade again for the number of hours entered below.

39. **HoursToPauseTrade**= 48 ... This is the number of hours to pause trading on the currency pair that had the stop out occur.

TRAILING MODES

40. **ChartDisplay** = True ... To display information on your charts or not.
41. **TrailingMode** = off ... Toggle trailing mode on or off. When turned on, this will be used to protect any gains on open trades, and starting trailing both SL and TP as much as possible until the price finally reverses to hit the SL (which will still be a profit). This feature can turn a little bit of profit into a lot of profit by continuously increasing the TP as the market continues to move in favor of your trades.
42. **TrailingStep** = 3 ... How close in pips to the TP the price needs to get for a TrailingTP and TrailingSL to be put on orders.
43. **TrailingTP** = 6 ... Your current TP on your orders will be increased by this many pips.
44. **TrailingSL** = 6 ... Your current SL on your orders will be reduced by this many pips.
45. **TrendTrailTrigger**: This is only used when trailing mode is turned on with trendMode. By default this is set to 5 which means when trendMode has 5 or more trades open with the trend, the trailing mode will kick in for all 5 of those trades to protect their profit and try to squeeze out more.
46. **EquityTrail** A new trailing stop mode based on the floating profit of open trades. With an EquityTrailTP of 1.0% and EquityTrailSL of 0.1%, once your open trades hit a profit of +1.0%, the EquityTrailTP of 1.00% will increase to whatever the profit reached at its peak. If that was say 1.12% then both the EquityTrailTP and EquityTrailSL will move up 0.12%. If it moves up further a few ticks later to 1.20% then both will again move up 0.08%. This will continue to happen until the profit drops back down far enough to hit the EquitySL. This function is very useful when you turn the RealTakeProfit to 0, and turning the FloatingTP PCT to 0, so all profits will be controlled by this EquityTrail. When this is triggered for a chart with open trades in profit, it will display in green text showing how much profit is currently locked in. Read how the EquityTrailSL is calculated below so you know when it will be hit.
47. **UseDynamicEQTP** will toggle on/off this feature that creates a dynamic EquityTrailTP based on total lots opened using this formula (TotalLots/AccountBalance()*(10000*DynamicEQTPMulti);). This feature will work with DD_TP_Mode so it can look at all trades across all charts if you want it to. Turning this on will take precedence over the other EquityTrail values and it will only use this one regardless of what you set the other stuff to below.
48. **EquityTrailStep**: This is how much to increase the percentage of the EquityTrailTP once it's triggered, and is used to calculate the EquityTrailSL indicated below. Note this is old tech now and in 99% of cases isn't needed, better to leave this 0.00 and use the EquityTrailSL instead.
49. **EquityTrailTP**: This is the percentage of your account balance in profit you want the EquityTrail to start working at.
50. **EquityTrailSL**: This is the percentage you want to trail the EquityTrailTP by. If EquityTrailTP is set to 5.00 and you set this to 1.00, then the SL would be set to 4%

because it would always trail the TP by 1% difference. If you set this to 0.00 then it will use the EquityTrailStep calculated with the following formula: EquityTrailSL = EquityTrailTP - (EquityTrailStep * 5). If you don't have that set either then it will default to trailing the EquityTrailTP my half.

51. **EQTP1** - 6: these are used to custom define the EquityTrailTP you want to use for a basket of certain sizes. EQTP1 means the TP % for 1 trade basket, EQTP5 means the TP % for a 5 trade basket. It will always trail exactly half the amount of the TP if these are used. If left at 0, it will use the original EquityTrailTP.

52. **FullBasketEquityTrail:** when turned on it will allow Flex to start an EquityTrail at a defined loss pct (WhenToStart_FBET) for a full basket (reached max trades). This can be useful if you want to try to get out of a full basket as quickly as possible even if it means at a loss. It will only kick in if you have a max trade basket, and it's DD comes back above the (WhenToStart_FBET) value. WhenToStart_FBET must be a negative (-) value only!

53. **WhenToStart_FBET**: This is the negative drawdown % you want the FBET to kick in. If you set this to -5% and you have a full 5 trade basket at say -10%, the FBET will kick in if that basket reaches the -5% or higher, and it will then start trailing upwards until it reverses back 3%. FBET is capable of reaching profit.

INDICATOR FILTERS

54. These indicators can be used to either filter out new baskets from starting, or to trigger new baskets. If you want these indicators to just filter out trades, no special changes are required. If you want these indicators to trigger trades, turn on the ones you want, and set VirtualTrades to 1 and VirtualPipStep to 1.

55. **Reset Virtual Data If Indicators Not True But Accuracy is 100%** ... If you turn on any of these indicators on top of a strategy that uses virtual trades (most do), then it will require accuracy to be 100% or higher (virtual trade data) as well as whatever indicators you turned on to have met their requirements. Sometimes accuracy will get to 100%, but the indicators have not met their requirements and may not even be close. This can make the virtual trading algorithm hang on to its signal for too long and then the entry may no longer be good when the indicators finally become true. Turning this setting on will reset the virtual data back to 0% if the indicators aren't ready. Note that turning this on can drastically reduce trading frequency.

56. **DynamicAdditionals** ... A toggle which will require any indicator filters used for entries to be used for additional trades in a basket. Whatever PipStep you have will also need to be met. If you turn this on, and have the RSI indicator also turned on, that means Flex would only add aditional trades while the RSI is above 70 (for sells) or below 30 (for buys) and the PipStep gap is met.

57. **MaxADR**: This version features the introduction of ADR (Average Daily Range) which is used in a few ways. You will see a new setting called MaxADR=200 which means any pairs that have an ADR over 200 won't be allowed to trade. You will see the ADR being displayed on your charts now, and a warning for pairs that are too high. This will help pick and avoid dangerous pairs that are prone to large drawdowns.

58. **ADR Days**: The number of days for MaxADR to look back and calculate the Average Daily Range for.
59. **CloseTradesAtADR**: will close that charts trades if ADR goes over MaxADR. This will almost always result in a loss, just so you know.
60. **PauseBasketAtADR:** will not allow additional trades in a basket to open if ADR goes over MaxADR. The trade will be opened if ADR returns to normal.
61. **UseSR**... This is a Support/Resistance filter which will prevent new baskets from starting near these levels
62. **TradeSR**... If turned on this will trigger trades at the Support/Resistance levels. It will buy at the support and sell at the resistance. To flip this turn ReverseMode on.
63. **NumOfBars**... The number of bars that is used to look back and find the support and resistance lines. Timeframe plays a big factor here, if your on something like M1 it is only going to look back the last 25 minutes to find a support and resistance. It's recommended to use at least H1 or H4 timeframe when using the SR indicator.
64. **PipsAwayFromSR**... How many pips away from the Support & Resistance lines before we block Flex from trading. If set to 30 pips, and Flex wants to trade but is within 30 pips of either the Support or Resistance lines, no trade will be opened.
65. **NumOfBars**... This is the number of bars on the current timeframe that are looked at to determine the support and resistance levels.
66. **UseEMA**... This is your standard Exponential Moving Average based on median price of the current time frame using the two EMA values you enter below in EMA1 and EMA2.
67. **UseStochastic**... This is your standard Stochastic of the current time frame which will filter trades based on the 4 stoch settings below. If you don't want to use the first two, then set them to 0 and give the bottom two a value.
68. **BuyAboveStoch**... A starting buy will only open if Stoch is above 50
69. **SellBelowStoch**...A starting sell will only open if stoch is below 50
70. **BuyBelowStoch**... A starting buy will only open if Stoch is below 50
71. **SellAboveStoch**...A starting sell will only open if stoch is above 50
72. **Stoch_K**... Period of the %K line.
73. **Stoch_D**... Period of the %D line.
74. **Stoch_S**... Slowing value.
75. **UseTDI**... This is an indicator similar to Traders Dynamic Index using 3 Simple Moving Averages (2, 7, 25) using a typical price. This will buy when TDI1 is above TDI2 and both are above TDI3. It will sell when TDI1 is below TDI2 and both are below TDI3.
76. **TDIPeriods** ... These are the 3 periods for the moving averages used in the TDI indicator. You can change the TDI1 and TDI2 if you want to use a custom TDI cross below. The TDISlope is based on the TDIPeriod3.
77. **UseTDICross**... This will buy when TDI1 crosses above TDI2 and both are already above TDI3. This will sell when TDI1 crosses below TDI2 and both are already below TDI3.
78. **UseSlopeCross**... This will buy when both TDI1 and TDI2 have crossed above the TDI3 line and sell when they cross down. UseTDI must be turned on for this to work.

79. **CheckTDiSlope**... This will buy when TDI3 has been moving up for TDISlopeBars in a row and sell when it has been moving down for TDISlopeBars in a row. UseTDI must be turned on for this to work.
80. **TDISlopeBars**... The number of bars on the current timeframe for the CheckTDISlope to use.
81. **TDIFarApart** ... Buys when TDI1 is HowFarApart above TDI2 and sells when TDI1 is HowFarApart below TDI2. This is a good filter to find sharp fast spikes in the market with a value of 40 on H1 timeframe.
82. **HowFarApart** ... The number of pips for TDI1 to be away from TDI2 for the TDIFarApart to return true.
83. **UseRSI** ... Whether or not to use the Relative Strength Indicator. If you want your entries based on this, you should set the VirtualTrades to 1.
84. **WaitForRSIExit** ... Turning this on will make the RSI filter wait for the value to drop back down below the the SellAboveRSI period before it sells and turn back above the BuyBelowRSI value to buy. This is a good feature to find the reversal of a swing, just because RSI is oversold below the 30 mark doesn't mean it won't keep going for awhile. Turning this on will only buy when the RSI starts to return back above the oversold line and vice versa.
85. **RSIPeriod** ... The period for the RSI filter to use.
86. **BuyBelowRSI** ... Will allow a buy when RSI is below this value.
87. **SellAboveRSI** ... Will allow a sell when RSI is above this value.
88. **CheckCandleSize**... This will only allow a trade if at least one of the previous NumberOfCheckedCandles is larger than this value in pips. This is based on the current timeframe, so becareful using larger numbers on smaller timeframes otherwise it will never allow a trade.
89. **CheckCandleSizeSmaller**... This will only allow a trade if ALL of the previous NumberOfCheckedCandles are smaller than this value in pips. This is based on the current timeframe, so becareful using small values on lower timeframes otherwise it will never trade.
90. **CheckCandleMode** ... OpenToClose means it will measure the candles from the open to close (the body of the candle). HighToLow will measure from the highest point to the lowest point of the candle. HighToLow always produces larger values.
91. **NumberOfCheckedCandles**... The number of candles for the CheckCandleSize filters to look back on.
92. **UseMomentumFlatline** ... This uses the Momentum indicator and compares the last close bar with the 2nd last closed bar. If the difference is less than the value below, it will allow a trade. A small value is good for finding a flatline in the market where a retrace might be happening soon.
93. **MomentumDifference** ... The maximum allowed difference between the last two closed bars value in Momentum.

TIME & DAY FILTERS

94. **Mins_Between_Trades** = 1 ... Number of minutes to wait to open another trade on the same chart. This helps prevent dangerous situations during flash crashes where a few trades could be opened very quickly resulting in large draw down.
95. **StartingTradeDay** = The first day of the week you want Flex to start trading.
96. **EndingTradeDay** = The last day of the week you want Flex to trade. If this is set to Thursday, it will stop trading from Friday on. Most of Flex strategies don't trade Friday's because they have been historically the riskiest day for Flex.
97. **StartHour** = The starting hour (24 hour clock) for Flex to start trading from each day.
98. **StopHour** = The last hour of each day for Flex to stop trading. By default most strategies trade 24 hours of each day.
99. **CloseBasketAfterXmins**... Once a trade has opened on a new pair, it is considered the start of a new basket. Turning this setting on will close this trade, and any additional trades that may be opened after it once the CloseMinutes time has been reached from the time the first trade was opened.
100. **CloseMinutes**... The number of minutes to keep baskets open before forcefully closing them automatically regardless of their profit/loss.
101. **CloseTradesBeforeMarketClose**... Will close all trades on Friday at the CloseHour set below regardless of the current profit/loss.
102. **CloseHour**... The specific hour on Friday for the above setting to close trades. This must be set to at latest an hour before market close. If in doubt about GMT times, set it a few hours early.
103. **PauseAfterProfit**... Will prevent any trading for HoursToPauseAfterProfit
104. **HoursToPauseAfterProfit**... The number of hours to pause further trading from when the last profitable trade was closed.

TRADING SESSIONS

105. **TradeAustralian**... Whether or not to trade the Australian session. Setting to false means Flex won't start new trades in that session but will manage existing trades/baskets.
106. **TradeAsian**...Whether or not to trade the Asian session.
107. **TradeLondon**...Whether or not to trade the London session.
108. **TradeNewYork**...Whether or not to trade the NewYork session.

RECOVERY MODE

109. **UseEarlyRecoveryMode** ... All this does is turns the LotMultiplier off for the first few trades depending what you have StartRecovery set to.

110. .**UseLateRecoveryMode** ... This will turn the LotMultiplier off once you reach the StartRecovery number of trades open from one pair. So if you have 0.1, 0.2, and 0.3 lot trades open, and a StartRecovery of 3, the 4th, and 5th trades would both open at 0.3

lots. WARNING: If you use either this or EarlyRecoveryMode, there is a very good chance your baskets will still close in a loss because there is no longer enough lots to cover the losses. These modes are best used with a '0' RealTakeProfit and letting the EquityTrail or FloatingTP_PCT control all the profits.

111. **StartRecovery** ... The number of trades to start or stop the recovery mode depending on whether you have early or late mode turned on.

HEDGING

112. **UseHedging** ... Whether or not to hedge against an open basket of trades in the opposite direction. The hedge trade will only kick in once you have reached your MaxBuys or Sells on a chart.

113. .**HedgeOnce** ... If you set a HedgeTP of say 50 pips, and that is reached, the Hedge will close at 50 pips profit and hedging will be done, but your basket will still be left open still in a loss. If you set this to false, another hedge will open once that 50 pip first hedge closes in profit. Same thing if it hits a HedgeSL you have set.

114. **CloseTogether** ... Turning this on will force the basket to close if the Hedge reaches its TP or SL, and vice versa the Hedge will close if the basket is closed for any reason.

115. **HedgeAfterPips** ... pipstep for the Hedge trade to choose when to place it instead of immediately after the last trade in a basket. This will open 'x' number of pips if the price continues to move away from the basket.

116. **HedgeTP** ... Pip based takeprofit to be used for the Hedged trade.

117. **HedgeSL** ... Pip based stoploss to be used for the Hedged trade.

118. **HedgeMultiplier** ... This multiplier will be used to calculate the lot size of the hedged trade based on the total number of lots open from the basket. If the total lots of a 5 trade basket is 0.50, then the hedge trade would trigger after the 5th trade is open and use a lot size of 0.50 if this HedgeMultiplier is 1.0. You should be setting this to something like 0.50-0.75 or 1.25-1.50 range.

SPECIAL MODES

119. **ECN** = TRUE ... Used to trade on ECN accounts where orders are not allowed to be placed with a TP or SL and require modification after being opened.

120. **newMode** = off ... This switches to a more relaxed algorithm of how the virtual trading works which increases trading frequency. Depending on the pair and market conditions, this can increase trading frequency by over 100%.

121. **ReverseMode** = false ... This will make Flex open buys instead of sells and vice versa. If you know a market is going to be trending in one direction for a while, you should set reverse mode to TRUE on this pair. This will make most of Flex strategies go with the trend instead of against it looking for a retrace which most of the strategies are built to do.

122. **trendMode**: This will make Flex open trades going with the trend, and continue to do so until your Max trades setting is reached or your FloatingTP_Pct is hit. With this on, if a

trade is opened and goes into profit 21 pips, a 2nd trade will open in the same direction with a multiplied lot size.

123. **trendHybrid**: This will make Flex add its additional trades with a multiplied lot size like normal, but allow it to happen in both directions. If the price goes in favor of the previous trade 21 pips it will add a trade, and if the price goes against the last trade opened 21 pips it will also add a trade.

124. **TrendPipStep**: As described above, this is the PipStep used for when to add trades when the price moves in favor of the last trade opened. This is only used if trendMode or trendHybrid is turned on. It does not need to be the same as the original PipStep.

EA INFORMATION

125. **EA_Name**: The name to be used in all the comments of each trade opened by Flex.

126. **CustomSetFile**: setting which is just a way to name custom strategies and have them displayed on your chart as the strategy.

127. **MagicNumber** = 29988 ... You only need to change this if you are running Flex on two of the same charts. Example: If you want to run default settings on 1 GBPUSD chart, and the x3Retrace settings on another GBPUSD chart, they need to have different magic numbers! Otherwise you can leave the magic number the same for all charts.

128. **HideFromBroker**: Chose whether or not you want comments in your trades. By default it will show FlexEA and the strategy being used in each trades comments.

129. **ChartDisplay**: Show or hide all text displayed on chart by FlexShowButtons: Show or hide the 3 buttons at the top of each chart (Close, CloseAll, On/Off) buttons.

130. **Font**: The font for Flex to use for the text it displays on charts.

131. **Color**: The color of the text Flex uses to display information on charts.

132. **Size**: The size of the text to use displayed on each chart.

133. **Max_Charts** = 3 ... Max number of charts that can have open trades at the same time. By default most strategies have this set to 3, so if a 4th chart is trying to open a trade it will be rejected, and it's virtual data will be reset. This should be left low unless you're running extremely low risk on a big account size. This doesn't mean you can only put Flex on 3 charts, it just means a max of 3 pairs can have open trades at the same time. If you're running two different strategies on the same account, each with its own magic number, then this 3 will become 6 because its magic number dependent. Be careful running m

134. **Currency Pair Filters**: At the very bottom of the settings list, you will see a list of the 8 major currencies and a 2 or 1 set for them. What this means is only 2 EUR charts can trade at the same time, and 2 GBP charts, etc. If you have open trades with EURUSD, and EURGBP, any other EUR pairs that want to open trades will be blocked. This will be a key factor going forward to protect against disastrous market conditions where every pair spikes/crashes at the same time like we seen on Monday Aug 24th.

NEWS FILTER

135. **UseNewsFilter**... Chose whether or not you want Flex to watch news and avoid trading before and after it.

136. **MinsBeforeNews**... How many minutes before news will Flex avoid opening new trades.

137. **MinsAfterNews**... How many minutes must pass after news before Flex will start trading.

138. **NewsImpact**... What kind of News do you want to look at? 3 means it will only look at major (important news). 2 Means it will include medium news, 1 means it will include all news. Generally this should be left at 3 to only watch Major news.

139. **OffsetHours**... If you find your news being reported on your chart is not in sync with when the news is slotted to arrive at http://forexfactory.com/calendar.php you can use this setting to offset the hour forward or back using -1 or 1 or however many hours you need.

140. **ShowNewsPanel**... Whether or not you want the news box in the bottom left to be shown or not.

141. **ShowBG**... Hide just the background (box) of the news panel.

142. **CloseBasketsBeforeNews**... If you have an open basket of trades on AUDUSD for example, and there is major AUD news coming out within your MinsBeforeNews value, this will make Flex close that basket of trades whether they are in profit or loss.

143. **ResetVirtualDataAfterNews**... Choose whether or not to reset virtual data for this pair after any high impact news. Turning this on can drastically reduce trading frequency.