ForexGridMaster v5.00 Manual

MT4 Expert Advisor User Input Settings Guide updated June 23, 2012

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Programmed by - v2.4 to v3.01 Gendec Design, v3.02 to v4.11 Private, v4.11b to v5.00 Pawit Khid-arn

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Introduction to ForexGridMaster

ForexGridMaster EA (Expert Advisor) was created to enable traders to design and trade their own unlimited number of automatic trading system strategies as well as use strategies developed and shared by others. ForexGridMaster is also very creative and versatile for precision semi-automatic manual trading. All ForexGridMaster robot inputs and what they do are transparent to and easily configured by the trader. ForexGridMaster is ideal for (but not limited to) developing mathematically based grid trading strategies that profit from price moving up or down or both ways simultaneously, including trend, counter-trend, range, scalping, news and or breakout trading. Sample strategy preset ".set" files are posted on our performance page and forum. Please participate in the forum.

ForexGridMaster is very much on the leading edge with it's base of 4,000 lines of code programmed by a master programmer (Gendec Design) which goes beyond the normal limits of MetaTrader 4 from MetaQuotes. The latest upgrade to v5.00 programmed by Pawit Khid-arn now has more than 5,300 lines of code and is better than ever.

Matching specific FGM strategies to the most appropriate brokers can make a huge difference to your bottom line, especially for scalping strategies. We are constantly testing many of the old and new MT4 and MT4-ECN brokers. I have traded with more than 20 carefully selected brokers since 2002 and the choices continue to evolve in favour of traders as brokers become more competitive and traders more aware. Now it is the norm to expect low spreads (1 pip or less for eurusd and other majors), no or low commissions, no re-quotes, instant execution, no restrictions on pending order distance from current price, 0-1 pip stop loss, 1 ms (or less) latency from VPS to broker server, etc.

ForexGridMaster is user friendly, and it is also a very sophisticated software program that requires time and practice for the user to become familiar and comfortable with all its settings and possible combinations. As of June 12, 2012, we think that no other robot can compare, not even close, and that your efforts with FGM will be well rewarded.

ForexGridMaster v5.00 Expert Advisor Input Settings List

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All input settings listed below are linked directly to their descriptions further below. The best way to learn the settings well is to test them extensively on several demo accounts simultaneously, ideally using a VPS with low latency to the broker. The default settings you see below are for demonstration purposes only. Be sure to understand fully what combinations of settings do what before trading real money. This point cannot be emphasized strongly enough.

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----- General Grid Settings
1. EANumber 32511134
2. Buy-1_Sell-2_BuySell-3=3
3a. BuySellOverLap=false
3b. BuySellOffsetPips=0
4. Trend-1_CounterTrend-2=2
5. FullGrid-1_HalfGrid-2=2
6. GridOrderSpacing=5
7a. GridStartPriceUp=0
7b. GridStartPriceDown=0
8. MovingCenter=true
9. CenterPips=0
10a. TotalPendingBuyOrders=2
10b. TotalPendingSellOrders=2
11a. TotalOpenBuyTrades=21
11b. TotalOpenSellTrades=21
12. GridOrderReplacement=true
13. UseIniFile=false

----- Individual Order Settings
14a. LotSize=0.01
14b. LotSizePercent=0.001
15. OrderTakeProfitPips=0
16. OrderStopLossPips=0
17a. OrderProfitPipsBeforeTS=0
17b. OrderTrailStopPips=0
18. OrderTakeProfitPercent=0
19. OrderStopLossPercent=0
20a. OrderProfitPercentBeforeTS=0
20b. OrderTrailStopPercent=0
21a. OpenTradeSlippage=0
21b. CloseTradeSlippage=0

----- Fixed Grid Settings
22. FixedGrid=false
23. FixedGridCenterPips=0
24. GridOrderSpacingStep=1
25a. LotSizeIncreaseAmount=0.0
25b. LotSizeIncreasePercent=11.0
25c. LotSizeIncreaseFibo=false
26. HedgeGrid=false
27. HedgeOrderSpacing=50
28. HedgeCenterPips=0
29. HedgeBuy-1_Sell-2_BuySell-3=3
30. HedgeTrend-1_CounterTrend-2=1
31. HedgeFullGrid-1_HalfGrid-2=2
32a. HedgePendingBuyOrders=1
32b. HedgePendingSellOrders=1
33a. HedgeOpenBuyTrades=3
33b. HedgeOpenSellTrades=3
34a. HedgeOrderLotSize=0.01
34b. HedgeOrderLotSizePercent=0
35. HedgeOrderTakeProfitPips=0
36. HedgeOrderReplacement=true
37. HedgeCloseRun=false
38a. HedgeOpenBuysCloseRun=1
38b. HedgeOpenSellsCloseRun=1
39. HedgeCloseRunAutoRestart=true

----- Close Run Settings
40. CloseRunAutoRestart=true
41. RestartPipsUpOrDown=0
42. RestartSeconds=0
43. CloseRunProfitPercent=0.34
44a. CloseRunLossPercent=0
44b. CloseRunLossStop=true
45a. ProfitPercentBeforeTrailStop=0
45b.TrailStopPercent=0
46a. ProfitMoneyBeforeTrailStop=0
46b.TrailStopMoney=0
47a. CloseRunPriceMaximum=0.0
47b. CloseRunPriceMinimum=0.0
48. PriceTrailStopPips=0.0

----- Time Settings
49a. GridStartTime=ignore
49b. GridStopTime=ignore
50a. FridayCloseTime=ignore
50b. FridayCloseProfitOnly=true
50c. FridayCloseTimePeriod=120
Trade(xxx)day (35a. to 35g.)
51a. TradeSundays=true
51b. CloseForSundayFridayTime=ignore
51c. TradeMondays=true
51d. TradeTuesdays=true
51e. TradeWednesdays=true
51f. TradeThursdays=true
51g. TradeFriday=true
51h. CloseDayLeadTime=0

----- Alerts and Log Settings
52a. AlertRunClosedSound=true
52b. AlertRunClosedPopup=false
52c. AlertRunClosedEmail=false
53a. AlertBuysOpenSound=0
53b. AlertBuysOpenPopup=0
53c. AlertBuysOpenEmail=0
54a. AlertSellsOpenSound=0
54b. AlertSellsOpenPopup=0
54c. AlertSellsOpenEmail=0
55a. AlertMarginWarningSound=true
55b. AlertMarginWarningPopup=false
55c. AlertMarginWarningEmail=false
56a. AlertFgmStoppedMinutesSound=0
56b. AlertFgmStoppedMinutesPopup=0
56c. AlertFgmStoppedMinutesEmail=0
57a. AlertHedgeOrderOpenBuysSound=0
57b. AlertHedgeOrderOpenBuysPopup=0
57c. AlertHedgeOrderOpenBuysEmail=0
58a. AlertHedgeOrderOpenSellsSound=0
58b. AlertHedgeOrderOpenSellsPopup=0
58c. AlertHedgeOrderOpenSellsEmail=0
59. LogActivity=false
60. LogDebugInfo=false

----- Chart Comments Settings
61. ShowBuySellMarkers=false
61. ChartBackgroundDark=false
63. ShowComments=true
64a. TextSize=9
64b. TextColor=yellow
65. SetFileName=gbpusd_bsct-5_s-1
_tot-21_lsp.001_ip-11_crpp-0.34

----- Immediate Action Settings
66a. CloseBuyTrades=false
66b. CloseSellTrades=false
67a. DeletePendingBuyOrders=false
67b. DeletePendingSellOrders=false
68a. CloseProfitTrades=false
68b. GreaterProfitThan=0
69a. CloseLossTrades=false
69b. GreaterLossThan=0
70. CloseAllNow=false

Caution - Some of the above settings can be changed on-the-fly, meaning that the FGM properties window can be opened while the robot is trading, and some input settings changed without removing the EA first, and then click OK.

Settings that can be changed on-the-fly are generally those settings that will not change the basic trading strategy. Be careful. Because of new settings in ForexGridMaster.v5.00 and some that work differently than they did in previous FGM versions, most older preset ".set" strategy files may need to be adjusted. Settings List

EA Initiation - When the OK button on ForexGridMaster's Properties window is clicked to initiate your chosen strategy, the robot will not start placing pending orders until the next tick (price movement).

MT5 - We will create an MT5 version of ForexGridMaster when we are sure that it is good to do so, maybe by the end of 2012. Many experienced traders report that MT5 has its problems and recommend sticking with MT4 for now.

JForex - We will also create a JForex version of ForexGridMaster to be used at DukasCopy, starting later in 2012.

ForexGridMaster Forum - If you own either FGM Trial or Full-version, be sure to register at our FGM Forum and inform us of your registered forum username so that we can upgrade you to Client status with access to the dedicated sections of the Forum, a great place for community discussion on various grid trading strategies. We welcome your comments, ideas and participation. Settings List

Important ForexGridMaster User Guidelines

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1. If you are new to MT4 EA (Expert Advisor) robot trading and need to learn how to download the MT4 trading platform and setup ForexGridMaster on a demo or real account, then please first read the MT4-FGM-SetupGuide.pdf. We very highly recommend MT4 to ECN brokers, GoMarkets and HotForex also being good choices for trading FGM.

2. Build - ForexGridMaster is best traded on MT4 build 419 and up, the latest being 432 as of June 16, 2012.

3. Full license - ForexGridMaster Full-version (not the Trial-version) is licensed to your account name and can be traded on as many demo and real money accounts as you like as long as each of those accounts use the same name that you provided for licensing. There are 3 files that need to be placed in your MT4 trading platform directories in order for ForexGridMaster to work.

- "ForexGridMaster.v5.00.ex4" file needs to be installed in your (MT4 platform)\experts directory.
- "FGM.dll" file is installed in your (MT4 platform)\experts\libraries directory.
- "FGML.dll" licensing file is installed in your (MT4 platform)\experts\libraries directory.

Next, your MT4 platform needs to be closed and restarted for the robot to work. With ForexGridMaster v5.00 and supporting files in your possession, you are totally independent from us. Of course we are here to help whenever you need it and we encourage you to participate in our forum. Accounts or brokers can be changed whenever without anything from us, as long as the name on the different accounts remain the same as the name that you provided us for licensing. You are entitled at no cost to all bug fixes and upgrades within version 5.xx. Settings List

4. Trial license - ForexGridMaster Trial-version is exactly the same as the Full-version except that it has a license expiration date set to expire at least three months from the day we send you the robot. The Trial-version is licensed to your name and can trade as many demo accounts as you like but it will not work on real money accounts.

5. Account currency - FGM will work using any account based currency … USD, EUR, GBP, JPY, CHF, AUD, etc.

6. Decimal places - ForexGridMaster automatically detects whether your broker uses 2, 3, 4 or 5 decimal places for price quotes. So in any case, as an example, OrderTakeProfitPips can be set to 17 pips and if FGM is trading the EURUSD, then it can be set to 17 regardless of whether the price quotes use 2, 3, 4 or 5 decimal places. In the case of the EURUSD as one example of 5th place decimal pricing, the 4th place decimal is the pip and the 5th a fraction of a pip. If the EURUSD moves from 1.37010 to 1.37020 then it has moved 1 pip. If it moves from 1.37010 to 1.37011, then it has moved 1/10th of a pip. For currencies with 3 decimal places, such as the USDJPY, if it moves from 95.700 to 95.710, then it has moved 1 pip, and if from 95.700 to 95.701, then it has moved 1/10th of a pip. Settings List

7. ECN - ForexGridMaster works on ECN connected MT4 non-dealer broker platforms such as hosted by GoMarkets in Australia and Alpari-Pro UK. An ECN connection normally offers the best spreads and execution. When

considering brokers to choose please check with us for our up to date recommendations. Settings List

8. Setting changes - When you start a new strategy or make changes to an existing strategy (except settings that can be changed on-the-fly), it is best to first remove ForexGridMaster, and then delete all chart objects (right click on chart, choose "Objects List…", select all objects (select an object line and use ctrl+a to select all and then use Delete on the right) and also delete all global variables (accessed via the top menu… Tools, then Global Variables). Any open trade or pending orders left on the chart, will no longer integrate with the new ForexGridMaster settings and they will have to be managed separately manually, and or by using ForexTradeManager to close many orders quickly. In any case, please always test thoroughly on a demo account until you are confident that you know what does what. I strip a chart to nothing and create a template called Grid-basic. I use extra charts for monitoring the big picture with volume, moving averages, trend, Fibonacci, support and resistance lines, etc. As always, please demo test thoroughly and learn from direct experience what works best for you. Settings List

9. Time-frames - ForexGridMaster strategies are not time-frame dependent, meaning that you can trade any FGM strategy you like on any time frame and the only difference will be how well you can view the trading action. My routine is to always keep ForexGridMaster trading on one time-frame only and I open an extra chart of the same currency pair on the same account to view other time-frames. The pending orders and open trades will also be displayed on the extra chart. The time-frame can be changed on-the-fly on the same chart that ForexGridMaster trades, but doing so will effect the display size of the CloseRun bars due to MT4 object display limitations.

10. Closing orders - Whenever open and or pending orders are triggered to close at the same time, by any of the CloseRun settings and also by ForexTradeManager, be aware that it takes time for the open trades and pending orders to close. Price is moving so results will not be perfectly accurate. The final results will be more or less than what the target was. In normal market conditions, the difference is relatively small. If you are using scalping strategies it is best to make sure your latency from your FGM robot to the broker server is low, 0 to 20 ms being best.

11. Many orders - The more open trades and pending orders that are on your charts, the more chances there will be of execution delays, especially if the latency of trade execution is more than 50 ms. Also not all brokers are the same. The amount of technology involved, your broker and their server, their MT4 environment, the computer your ForexGridMaster trades from, the bank feeds to the broker, the Internet, etc. is mind boggling and also relatively in its infancy. MT4 executes only one line of code at a time per chart, so glitches can happen and in the beginning, it is important to keep a watchful eye on your MT4 platform as it trades your strategies, at least until you know that all will work reliably. We very strongly recommend that you trade your strategies and also strategies from others on a demo account first, for as long as it takes for you to become very familiar and confident with how all the ForexGridMaster input settings work for those strategies. When you start trading real money start small. MT4 brokers are not equal and different MT4 broker platforms may produce different results. ForexGridMaster programming is of the highest industrial strength quality and is capable of trading a working strategy very reliably for an indefinite period of time.

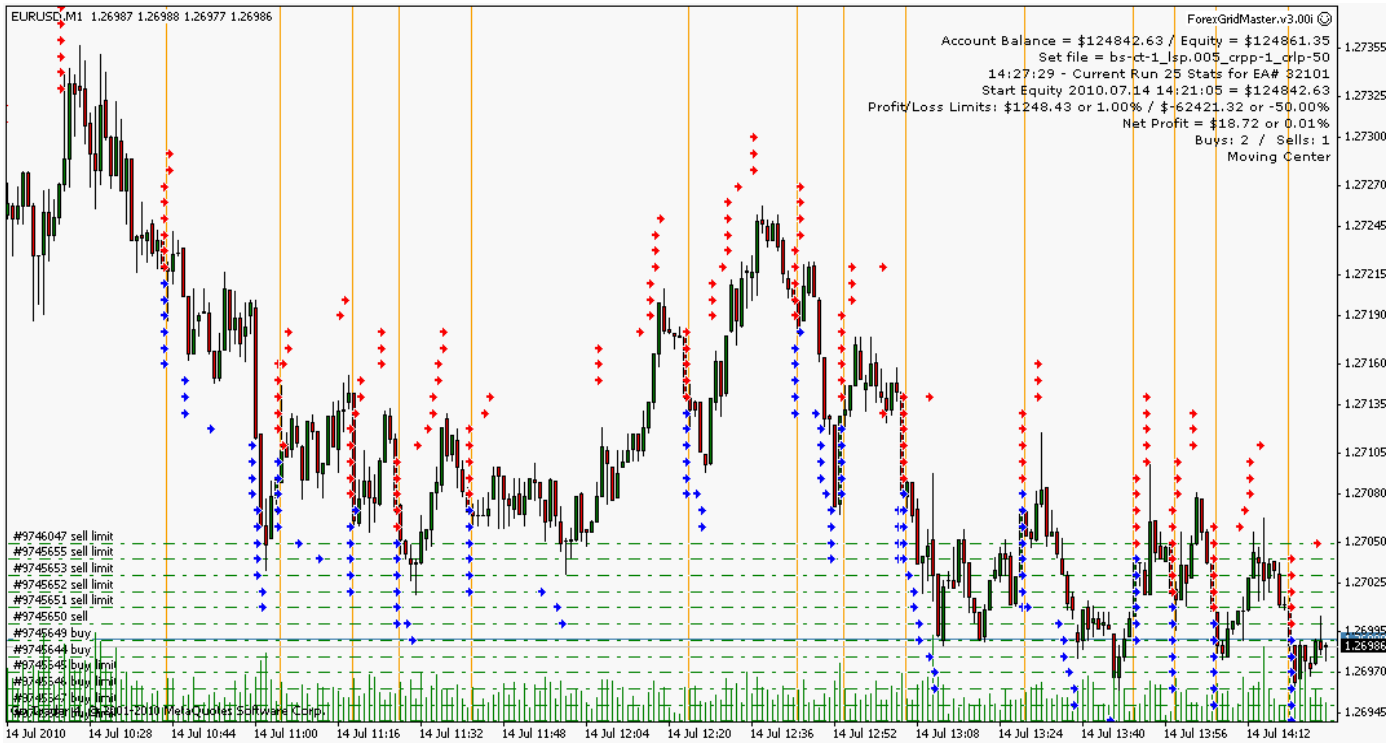
12. FGM EA smiley face - When clicking on the ForexGridMaster smiley face (positioned at the top right of the currency pair chart window), to open the ForexGridMaster EA properties window, requiring only one click, it will sometimes choose the info printed on the Chart just below instead by mistake, and not open ForexGridMaster to its properties window, especially if you have chosen a larger font size for the chart comments and stats print out. Sometimes just clicking one or more times in the same place will work. Otherwise, just right click in any clear area on the chart and choose "Expert Advisors…" and then "Properties…". In an emergency situation when FGM cannot be accessed to change its property settings or cannot be removed for whatever reason, click the "Expert Advisors" button on the tool bar above to disable it, or simply close the chart window to remove FGM. If necessary, any open trades and pending orders will need to be closed manually or by using ForexTradeManager. The smiley face turns red when the EA is active and the EA properties window is not accessible while it is red. Settings List

13. Preset ".set" strategy files - When creating strategies for ForexGridMaster using the input settings described below, they can be saved as preset files in your "(MT4 platform)\experts\preset" directory, so that whenever you wish to trade that strategy, you can open ForexGridMaster on a chart and then "Load" the preset file from the "Inputs" tab. We name preset files so that we can recognize what the strategy is by its name. For example, if named "b-t-fg_gos-3_lsp.0001_otp-21.set", it means it is a Buy Trend FullGrid strategy with pending orders set at a GridOrderSpacing of 3 pips and LotSizePercent set at 0.0001 and each trade has an OrderTakeProfit of 21 pips. All other settings are set at defaults. Another example would be "s-t-hg_ls-0.3_ppbts-27_tsp-7_crpp-3_crlp-15_clrs-t". This is a Sell Trend HalfGrid strategy with LotSize set to 0.3, ProfitPipsBeforeTrailStop set to 27 pips, TrailStopPips set to 7 pips,

CloseRunProfitPercent set to 3%, and CloseRunLossPercent set to 15%, so that ForexGridMaster shuts down completely when high water mark equity drops back by 15%. Settings List

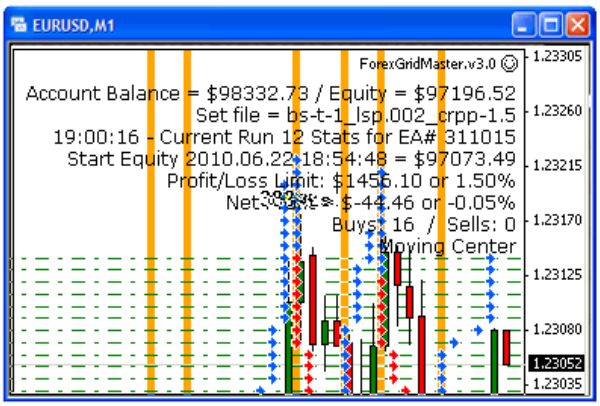
14. Leverage - Some brokers will allow as much as 500:1 leverage on their accounts. This means that FGM can trade a full standard lot of $100,000 using only $200 on margin, an excellent environment for high profits.

15. Sharing strategies - Preset ".set" files can be shared with other traders directly, or on our forum. Our goal is to have many traders creating, back-testing and optimizing reliable winning strategies for all. The EURUSD image below shows a counter-trend scalping strategy as an example, where 24 Runs were closed (gold vertical bars) at 1% profit each for a total gain of more than 24% (+ compounding) within a 24 hour period. You can download this preset v3.00 file strategy (settings need updating in v5.00). and place it in your (MT4 platform)\experts\presets directory and then "Load" it from your ForexGridMaster "Inputs" tab. This is a very aggressive strategy risking 50% of equity and only works in a ranging market unless you are prepared to intervene manually to hedge breakouts from the range. An aggressive strategy like this is best traded on a secondary account funded with about 10 or 20% of overall trading capital, at least until you have mastered how to do it safely. FGM v5.00 now has the capability to automate hedge



trading within the main strategy, so the version 3.00 preset file can be modified to include automatic hedging to make it safer and even more profitable. Please visit and participate in our forum as together we have a much better chance at trading successfully against the banksters that in my opinion have complete control the market. Settings List

16. Sample Trend Grid Trading Strategy - The EURUSD chart image on the right displays up close FGM v3.0 trading a trend breakout scalping strategy. It traded for about 24 hours totally hands off and closed 11 Runs (orange vertical bars) at 1.5% profit each and is now on Run 12. When each Run closes, all open trades are closed and all pending orders are deleted, thus eliminating accumulation of negative open trades, the main concern of grid trading. This particular v3.0 strategy will eventually end up with hedged buy and sell trades that will need manual intervention and or there are several settings to choose from to avoid hedging and mitigate risk ... CloseRunLossPercent, CloseRunPriceMaximum and or Minimum, TotalOpenBuyTrades and TotalOpenSellTrades, and OrderStopLossPips as only a few



examples. The new HedgeGrid settings in v5.00 can also be used very well for this strategy. This is an experimental strategy only. Strategies like this are posted and discussed on the forum. Settings List

17. Use 99% Modelling Quality Back-testing - This is the best by far and is a perfect match with ForexGridMaster. Purchase what you need here and spend the time to learn it well and also include walk forward testing and you have the best tools and be way ahead of the crowd. Proper back-testing saves tons of time when creating new strategies.

ForexGridMaster.v5.00 Expert Advisor Input Setting Descriptions TOC

The settings in **RED** are the new additional settings added since FGM v3.01, including the new v4.11 settings.

General Grid Settings

1. **EANumber**=32511134 - This input enables each ForexGridMaster EA (Expert Advisor) robot strategy to keep track of its own trades and calculations separate from other ForexGridMaster EA strategies, and also other EAs and trades placed manually, on the same currency pair or different currency pairs in the same trading account. Each EA must run by itself on its own chart and its EANumber must be uniquely different from each EANumber used on other charts. It doesn't matter what EANumber you choose except that the number is limited to 9 digits. When you stop trading your strategy, it is best to remove ForexGridMaster from the chart, and when you start again with a new strategy, be sure to change the EANumber so that the Current Run Stats on the chart are reset properly for a new beginning, and also the robot will not be influenced by any historical trading activity that occurred previously. This setting cannot be changed on-the-fly. Settings List

2. **Buy-1_Sell-2_BuySell-3**=3 - This input determines whether the pending orders placed by ForexGridMaster are either all pending buy orders (Buy_1), all pending sell orders (Sell_2), or both pending buy and pending sell orders (BuySell_3). As an example, if you choose the default BuySell_3, and you decide to trade a Trend (3.) grid of orders to capture profit in the direction of the price trend, then pending buy stop orders will be placed above grid center and pending sell stop orders below. If BuySell_3 is chosen and you want to trade a CounterTrend (3.) grid of orders, then pending buy limit orders will be placed below grid center and pending sell limit orders above. When trading a BuySell grid, HalfGrid (4,) must be chosen too because you are trading a half grid of buy orders with a half grid of sell orders. All grid orders are placed at currency pair bid prices rounded off to the nearest pip. This setting cannot be changed on-the-fly. Settings List

3a. **BuySellOverLap**=false - When set to true then buy orders and sell orders will overlap as the grid progresses. When BuySellOverLap=false then all pending and or open buy orders will remain on one side separated from all sell orders on the other side (see examples just below). This setting cannot be changed on-the-fly.

3b. **BuySellOffsetPips**=0 - This input prevents buy and sell orders from occupying the same price location when you are trading a BuySell strategy using BuySellOverlap. This enables you to see where all the buy and sell orders are when looking at the chart. There may be other advantages too according to what strategy you are using. The number of pips that you set this to determines how many pips sell orders will be placed below buy orders within a BuySell grid where buys and sells are overlapping. This does not affect and is different from GridOrderSpacing (5.) and CenterPips (9.). This setting cannot be changed on-the-fly. Settings List

Various samples using EURUSD bid prices ...

BuySellOverlap=true BuySellOffset=3 GridOrderSpacing=6 CenterPips=0	BuySellOverlap=true BuySellOffset=1 GridOrderSpacing=6 CenterPips=0	BuySellOverlap=false BuySellOffset=0 GridOrderSpacing=3 CenterPips=0
---------- 1.37070	---------- 1.37070	---------- 1.37070
--- Buy --- 1.37060	--- Buy --- 1.37060	--- Buy --- 1.37060
---------- 1.37050	--- Sell --- 1.37050	---------- 1.37050
---------- 1.37040	---------- 1.37040	---------- 1.37040
--- Sell --- 1.37030	---------- 1.37030	--- Buy --- 1.37030
---------- 1.37020	---------- 1.37020	---------- 1.37020
---------- 1.37010	---------- 1.37010	---------- 1.37010

--- Buy --- 1.37000	--- Buy --- 1.37000	--- Buy --- 1.37000
---------- 1.36990	--- Sell --- 1.36990	---------- 1.36990
---------- 1.36980	---------- 1.36980	---------- 1.36980
--- Sell --- 1.36970	---------- 1.36970	--- Sell --- 1.36970
---------- 1.36960	---------- 1.36960	---------- 1.36960
---------- 1.36950	---------- 1.36950	---------- 1.36950
--- Buy --- 1.36940	--- Buy --- 1.36940	--- Sell --- 1.36940
---------- 1.36930	--- Sell --- 1.36930	---------- 1.36930

4. **Trend-1_CounterTrend-2**=2 - This input determines whether the grid of pending orders will trade a Trend or a CounterTrend grid strategy. A Trend strategy places buy stops above grid center (Buy Trend), or sell stops below grid center (Sell Trend) or both (BuySell Trend). A CounterTrend strategy places buy limits below grid center (Buy CounterTrend), or sell limits above grid center (Sell CounterTrend) or both (BuySell CounterTrend). This setting cannot be changed on-the-fly. Settings List

5, **FullGrid-1_HalfGrid-2**=2 - This input determines whether pending orders will be placed equally divided on both sides of grid center when set to FullGrid for Buy or Sell grids**,** or one side only when set to HalfGrid for Buy or Sell grids. BuySell grids must be set to HalfGrid because you are trading a half grid of buy orders with a half grid of sell orders. This setting cannot be changed on-the-fly. Here are some basic examples …

1. You wish to trade a Buy Trend grid to profit on price that is trending upwards. You can choose FullGrid which will place pending buy stop orders above either a moving or fixed center price, and pending buy limit orders below, or you can choose HalfGrid which will place pending buy stop orders above a moving or fixed center price, but no buy limits below. Using HalfGrids when trend trading in one direction only will lessen the number of accumulating open negative trades due to long price runs or spikes in the opposite direction of the trend you are trading. Depending on your GridOrderSpacing and how strong the trending market is, you may experience 30% (or more) less losing trades being opened by retracements opening your buy stops that are following the price downwards from above.
2. You wish to trade a Buy CounterTrend Half grid when you expect price to drop and turn back up. This will place a half grid of pending buy limit orders below either a moving or fixed center, but no buy stops above.
3. You wish to trade a BuySell CounterTrend grid on price that is ranging. When you trade a BuySell strategy you must choose HalfGrid which will place pending sell limit orders above either a moving or fixed center price, and pending buy limit orders below either a moving or fixed center price. Settings List

Important Reminder - There are many different combinations that can be configured using the various input settings above and below. Be sure to experiment on a demo account and experience and understand fully what combinations of settings will do what before you trade a real money account. I cannot emphasize this point enough.

6. **GridOrderSpacing**=5 - This input determines the distance in pips from each pending trade order to the next pending order of the same type (considering BuySellOverlap=true) in your trading grid. This setting can be changed on-the-fly and will affect new but not existing pending orders. Settings List

7a. **GridStartPriceUp**=0 - When set to the default 0 this input is ignored. If set to a currency pair price above current bid price, then when price moves up to that price, your FGM strategy will trigger open and place its grid of pending orders. You can set a price value for either GridStartPriceUp or GridStartPriceDown or both at the same time to straddle current price. If both are set then when one is triggered the other is cancelled. Both settings are one-time events and will not effect the next run after a CloseRun when CloseRunAutoRestart=true and both are cancelled. This setting can be changed on-the-fly. Settings List

7b. **GridStartPriceDown**=0 - When set to the default 0 then this input is ignored. If you do set a price below current bid price value here, then when the currency pair bid price moves down to that price, your FGM strategy will trigger and place its grid of pending orders. This setting can be changed on-the-fly. Settings List

8. **MovingCenter**=true - When set to the default of true, and the settings GridStartPriceUp=0 and GridStartPriceDown=0, the initial grid center will be the current market bid price on the first tick that follows your click of the OK button, after you have configured your strategy and are ready to trade. When MovingCenter=false, then your grid will have a FixedCenter that remains in place for the duration of the Run. Because brokers do not allow

pending orders to be placed within 5 pips (more or less) of market price, the initial grid center slot will not be filled with a pending order until market price has moved away far enough, and then a pending buy order (or pending sell order if not a Buy or BuySell strategy) will be placed next to grid center. In the meantime, the rest of the grid slots are filled when and where possible according to the already established initial grid center and your other input setting choices. MovingCenter will change to always be the current moving market bid price when you trade either a Buy or a Sell grid, or a BuySell grid combined with BuySellOverlap=true. However, if you trade a BuySell grid and BuySellOverlap=false, then the MovingCenter will center itself and remain between the buy and sell orders and will move as needed to always be between the buy and sell orders. Buy and sell pending orders will be placed as close as possible to grid center according to your settings GridOrderSpacing and or CenterPips (9.). See examples immediately below. This setting cannot be changed on-the-fly. Settings List

MovingCenter and FixedCenter scenarios TOC

A FixedCenter doesn't change during a grid Run and it keeps the Buy and Sell pending orders on the proper side of that price during the entirety of the grid Run according to choice of settings. BuySellOverlap=true will not work when MovingCenter=false (means FixedCenter is in use), however when MovingCenter=true it allows BuySellOverLap.

If FGM trades a BuySell Trend grid as an example, only pending Buy stop orders can be placed above a FixedCenter price which doesn't change and only pending Sell stop orders can be placed below that FixedCenter price which doesn't change. If it is a Buy Trend HalfGrid as another example, then only pending Buy stop orders can be placed above that FixedCenter price which doesn't change. If it is a Buy Trend FullGrid, then only pending Buy stop orders can be placed above that FixedCenter price which doesn't change, and pending Buy limit orders can be placed below that FixedCenter price which doesn't change. Settings List

MovingCenter=true and GridStartPriceUp=0.0 and GridStartPriceDown=0.0 - With these settings, a MovingCenter grid strategy will start Run 1 at the immediate market bid price, which is the initial grid center that will then always be changing as market bid price changes for the duration of Run 1. For Run 2, the starting MovingCenter will again be the immediate market bid price after the close of Run 1. Follow-up Runs (24. CloseRunAutoRestart=true) will continue the same way.

MovingCenter=true and GridStartPriceUp=1.3255 and or GridStartPriceDown=1.3195 with grid center starting at 1.3225 - With these settings using eurusd as an example, a MovingCenter grid strategy will start Run 1 in the future when the current market bid price goes up by 30 pips to 1.3255 or down to 1.3195. For Run 2 the MovingCenter will be the immediate market bid price after the close of Run 1 which will be at a different center price than where Run 1 started. Follow-up Runs will continue the same way. If GridStartPriceUp and or GridStartPriceDown = (any value more than 0), it will only apply to Run 1 and not follow-up Runs.

MovingCenter=false and GridStartPriceUp=0.0 and GridStartPriceDown=0.0 - When MovingCenter=false it means that the strategy will use a FixedCenter. With these settings, your FixedCenter grid strategy will start Run 1 at the immediate market bid price which then becomes the FixedCenter for your grid. This fixed center price will continue to be the FixedCenter until Run 1 is closed. Run 2 will be a FixedCenter grid as well but it will start at the immediate market bid price after the close of Run 1. Follow-up Runs will continue the same way. Settings List

MovingCenter=false and GridStartPriceUp=1.3255 and or GridStartPriceDown=1.3195 with grid center starting at 1.3225 - With these settings using eurusd as an example, a FixedCenter grid strategy will start Run 1 in the future when the current market bid price goes up to 1.3255 or down to 1.3195. Run 2 will start a second FixedCenter grid at wherever the market bid price is immediately after Run 1 has closed. Follow-up Runs will continue the same way.

9. **CenterPips**=0 - When set to the default 0, this input is ignored. When set to a number of pips value greater than 0, then a MovingCenter or FixedCenter CenterPips zone the pips depth of the value set, is created at and centered by grid center. This CenterPips zone separates the initial placement of buy and sell pending orders by the set value of pips. For example, if CenterPips=15 and GridOrderSpacing=3, then no pending grid orders can be placed inside of that 15 pip Center zone. If MovingCenter=true, then the CenterPips zone can move into an area already occupied by existing open trades or existing open pending orders, however, no pending orders can be placed within the CenterPips zone no matter where it is. The CenterPips zone will always move with the ever changing current market bid price when MovingCenter=true or it will remain fixed when MovingCenter=false, or if you trade a BuySell grid and

BuySellOverlap=false, then the MovingCenter CenterPips zone will center itself and remain between the buy and sell orders and will move as needed to always be between the buy and sell orders. Settings List

10a. **TotalPendingBuyOrders**=2 - This input determines both the number of pending buy limit or buy stop orders that your strategy will place at grid start and the maximum number of pending buy limit or buy stop orders permitted at any one time. If either or both TotalOpenBuyTrades and TotalOpenSellTrades below are set to a number other than the default 0, then TotalOpenBuyTrades and TotalOpenSellTrades will determine the limit of open trades allowed, and the number of pending orders will be controlled accordingly. If the number of open buy or sell trades reaches their limit, but then decreases (one or more open trades close), then ForexGridMaster will resume opening pending orders to match. FGM also limits the total number of open pending orders to a maximum of 50. This setting can be changed on-the-fly when FixedGrid=false. When FixedGrid=true, in v5.00, TotalPendingOrders no longer controls the number of trades. Now TotalOpenBuyTrades and TotalOpenSellTrades settings control the number of orders in a FixedGrid.

10b. **TotalPendingSellOrders**=2 - This input determines both the number of pending orders that your strategy will place at grid start and the maximum number of pending orders permitted at any one time. When trading a FullGrid, this input must be set to an even number such as … 2, 28, or 50, not 1, 27, or 49. If either or both TotalOpenBuyTrades and TotalOpenSellTrades below are set to a number other than the default 0, then TotalOpenBuyTrades and TotalOpenSellTrades will determine the limit of open trades allowed, and the number of pending orders will be controlled accordingly. If the number of open buy or sell trades reaches their limit, but then decreases (one or more open trades close), then ForexGridMaster will resume opening pending orders to match. FGM also limits the total number of open pending orders to a maximum of 50. This setting can be changed on-the-fly when FixedGrid=false. When FixedGrid=true, in v5.00, TotalPendingOrders no longer controls the number of trades. Now TotalOpenBuyTrades and TotalOpenSellTrades settings control the number of orders in a FixedGrid.

11a. **TotalOpenBuyTrades**=21 - When set to the default 0, this input is ignored. When set to a number, this input limits the number of open buy trades to that number. Manual trades or other EAs with a unique EANumber can be traded on the same currency pair and or other pairs on other charts on the same account, without them being affected by this setting. Most brokers limit the total number of orders placed in an account and some don't. You may wish to ask your broker. This setting can be changed on-the-fly except when FixedGrid=true. Settings List

11b. **TotalOpenSellTrades**=21 - When set to the default 0, this input is ignored. When set to a number, this input limits the number of open sell trades to that number. Manual trades or other EAs with a unique EANumber can be traded on the same currency pair and or other pairs on other charts on the same account, without them being affected by this setting. This setting can be changed on-the-fly except when FixedGrid=true. Settings List

12. GridOrderReplacement=true - If true then when an order has closed it will be replaced when possible to do so within the same grid run. If false then each order within a grid run will only run once. GridOrderReplacement operates the same as HedgeOrderReplacement, but only for the main grid as does the other only for the HedgeGrid.

13. **UseIniFile**=false - When set to the default false then the FGM_default.ini file is ignored and how the FGM Comments and other elements are displayed on the chart as well as the Alerts and Log settings are controlled by the values set for them here in the Input settings further down the list. The FGM_default.ini file is placed in your "(MT4 platform)\experts\files" directory and when UseIniFile=true its settings will be always be the default values used by FGM, over-riding the same settings found in FGM's Input settings. This means that when you have the settings you like and saved them by saving the file after editing it, you will not have to change any of those settings again when you start a new strategy or change to trading a new account which is a great time saver if you are not satisfied with the out of the box FGM default settings. To edit the file you right-click the file name and choose Edit. Notepad or any text editor can be used. As an example, I trade on charts with a white background and I set UseIniFile=true using the FGM_default.ini file settings as follows…

```
AlertRunClosedSound = true;
AlertRunClosedPopup = false;
AlertRunClosedEmail = false;
AlertBuysOpenSound = 0; ;      (number of buys)
AlertBuysOpenPopup = 0;
AlertBuysOpenEmail = 0;
AlertSellsOpenSound = 0; ;      (number of buys)
AlertSellsOpenPopup = 0;
```

AlertSellsOpenEmail = 0;
AlertMarginWarningSound = true;
AlertMarginWarningPopup = false;
AlertMarginWarningEmail = true;
AlertFgmStoppedSound = 30;
AlertFgmStoppedPopup = 30;
AlertFgmStoppedEmail = 30;
LogActivity = true;
LogDebugInfo = true (true because I am always testing ☺) Settings List

ShowBuySellMarkers = false;
ChartBackgroundDark = false;
ShowComments = true;
TextSize = 9;
TextColor = black;

SoundCloseRun = alert.wav; (Create your own ".wav" files if you like and place them in "sounds" directory.)
SoundInputError = expert.wav;

// Specify colors as web-color names (e.g. MediumBlue) or in hex-format (e.g. 0xBBGGRR) Settings List

CenterLineColor = white;
TrailPriceColor = purple;
OpenBuyMarkerColor = default;
OpenSellMarkerColor = default;
CloseBarInitialColor = default; (CloseBars happen at CloseRuns.)
CloseBarPartialColor = 0x8F5555;
CloseBarFullColor = default;
CloseBarBackColor = default;

Individual Order Settings

14a. **LotSize**=0.01 - This input establishes the base value for lot-size. In practice, this is the minimum lot- size and can be increased by using any of the 15a. FixedGrid lot-size options, or by setting LotSizePercent. By fixing a minimum lot-size, even when using LSP, FGM can detect a potential margin-call situation, and take the appropriate action. Please note that the chosen value cannot be less than the minimum lot-size required by the broker. This setting can be changed on-the-fly, however it will affect new pending orders only, not pending orders already in place.

14b. **LotSizePercent**=0.001 - When a value is set here, then the lot size traded is determined by the account's free margin multiplied by the value set in this input divided by 100. The lot size traded will increase or decrease according to this calculation which is made when every new pending order is placed. However, it will not be applied if the calculated value is less than the LotSize set above. LotSIzePercent can enable profits to compound when profits outweigh losses, and draw-down to lessen when losses outweigh profits. As an example, with LotSIzePercent set at the default 0.001 on a standard account with a free margin value of $100,000 (where 1 lot = $100,000), then the lot size will be 1 which is $100,000 x 0.001 / 100 = $100,000, or if set to 0.0015, then lot-size 1.5 or $150,000 per trade, or if set to 0.00152, then lot-size 1.52 or $152,000 per trade. If the account has $1,000,000 to start and you set LotSIzePercent=0.001, the lot size would then be 10 which is $1,000,000 per trade, etc. If LotSize=5 in this example then that will be the minimum lot size regardless of the LotSizePercent setting if equity drops down. This setting can be changed on-the-fly, however it will affect new pending orders only, and not pending orders already in place.

Please note - some brokers allow fractional lot sizes and some do not, and some allow mini-lot size only ($10,000) and some further down to micro-lot size ($1,000). You may need to ask your broker directly about their lot sizing and in any case, be sure to experiment thoroughly to see what works. Settings List

15. **OrderTakeProfitPips**=0 - This input determines how many pips profit each of the pending trade orders will target and capture. If for example, you are trading the EURUSD, and you have a pending buy order set to open at 1.3700 and it opens, and OrderTakeProfitPips is set to 35 …then if price reaches 1.3735, the trade will close capturing 35

pips of profit. When set to 0, this input is ignored. This setting can be changed on-the-fly, however it will affect new pending orders only and not pending orders already in place.

16. **OrderStopLossPips**=0 - This determines the stop-loss for each individual pending order. If set to 0 then there is no stop loss set and this input is ignored. If for example, you are trading the EURUSD, and you have a pending buy order set to open at 1.3700 and it opens, and OrderStopLossPips is set to 50 …then if price drops to 1.3650, the trade will close at a loss of 50 pips. This setting can be changed on-the-fly, however it will affect new pending orders only, not pending orders already in place. Settings List

17a. **OrderProfitPipsBeforeTS**=0 - If set to the default 0 pips, then this settings is ignored. If set to a value such as 36 as an example, each of the individual trade orders that are opened will need to move 36 pips into profit before the OrderTrailStopPips input setting below is activated. If OrderProfitPipsBeforeTS=0 then whatever you set TrailStopPips to will be the immediate starting trailing stop loss. It differs from OrderStopLossPips which fixes the StopLoss. This setting cannot be changed on-the-fly. Settings List

17b. **OrderTrailStopPips**=0 - This input determines how many pips the trail stop will be. As an example, if ProfitPipsBeforeTrailStop=0 and OrderTrailStopPips=50, then a stop loss is immediately set at 50 pips away from where the pending order is opened. That stop loss will then trail pip by pip from there if price moves in a profitable direction. If price moves in a losing direction then the trailing stop loss will remain fixed where it. For another example… if ProfitPipsBeforeTrailStop is set to 36 and OrderTrailStopPips is set to 9, then when each individual order is 36 pips into profit, the trail stop of 9 is triggered and 27 pips of profit will be locked in and if price keeps moving in a profitable direction, the trail stop will follow pip by pip. Let's say that an individual order moves 50 pips into profit and then retraces 9 pips. The trade will then close out with 41 pips of profit. Settings List

18a. **OrderTakeProfitPercent**=0 - If set to the default 0 pips, then this setting is ignored. When set to a percent value, this input determines what percentage of profit based on equity at the time of the pending order placement, will close the order. As an example, if OrderTakeProfitPercent=1.50, this means that 1.50% of the equity becomes the order profit target. Each time a new pending order with the setting OrderTakeProfitPercent set to percentage value is placed, the target profit amount is calculated using the percent value based on the equity at that time of placement. Please note the difference here… OrderTakeProfitPips is a target that is placed on the broker server whereas OrderTakeProfitPercent is a target that is controlled by FGM in stealth mode that the broker doesn't know about.

19. **OrderStopLossPercent** =0 - If set to the default 0 pips, then this setting is ignored. When set to a percent value, this input determines what percentage of loss based on equity at the time of the pending order placement, will close the order. As an example, if OrderStopLossPercent=1.00, this means that 1.00% of the equity becomes the money amount stop loss for the order. Settings List

20a. **OrderProfitPercentBeforeTS**=0 - If set to the default 0 percent, then this setting is ignored. If set to a value such as 0.35 as an example, then each of the individual trade orders that are open will need to be 0.35% into profit before the OrderTrailStopPercent input setting below is activated. If OrderProfitPercentBeforeTS=0 then whatever you set OrderTrailStopPercent to will be the immediate starting trailing stop loss. It differs from OrderStopLossPips which fixes the StopLoss. This setting cannot be changed on-the-fly. Settings List

20b. **OrderTrailStopPercent**=0 - Works also with OrderProfitPipsBeforeTS but not if OrderTrailStopPips is set to a value. This input determines what percentage of equity the trail stop will be. As an example, if OrderProfitPercentBeforeTS=0.35 and OrderTrailStopPercent=0.05, then a stop loss money value equal to 0.05% of equity at the time the OrderProfitPercentBeforeTS value was determined That money stop loss determined by 0.05% percent of equity will then trail from there if price moves in a profitable direction. If price moves in a losing direction then the trailing percent stop loss will remain fixed where it is. For another example… if OrderProfitPercentBeforeTS is set to 0.55 and OrderTrailStopPercent is set to 0.05, then when each individual order has attained an amount of profit equal to 0.55% of equity at the time of the pending order placement, the trail stop of 0.05% is triggered and an amount of money profit equal to 0.50% of equity at the time of the pending order placement will be locked in and if price keeps moving in a profitable direction, the trail stop will follow by 0,05% of the equity at the time of placement of the pending order. Settings List

21a/b. **Open/CloseTradeSlippage**=0 - How slippage is handled will vary from broker to broker. I recommend that you find out what your broker's slippage policy is and also experiment with this setting to confirm. Better still, there are

many brokers now with no slippage. This setting may influence your bottom line more than you think. Sometimes when price moves fast, for example during major economic news reports (schedule shown at www.forexfactory.com), setting slippage to 1, 2, 3 or more may help. We have generally found however, that the default 0 works fine for most strategies most times with most brokers. Settings List

Fixed Grid Settings

22. **FixedGrid**=true - When set to false, this input and the next 4 settings (15b to 15e) are ignored. When FixedGrid=true, then the MovingCenter setting is ignored and whatever grid of pending orders is initially placed, according to the next 4 settings below (and other settings above and below), that grid will remain fixed for the duration of the Run and no other pending orders will be placed except when any of the fixed pending orders are triggered open and then eventually closed, manually or automatically, they will be replaced by pending orders that match exactly the parameters that were set originally for the closed orders being replaced (OrderTakeProfitPips, OrderStopLoss, etc.). This replacement of opened and closed FixedGrid pending orders will continue until the Run is closed, either manually by the trader or automatically by any of these Close Run Settings… CloseRunProfitPercent or ProfitPercentBeforeTrailStop with TrailStopPercent or ProfitMoneyBeforeTrailStop with TrailStopMoney, and or CloseRunLossPercent or CloseAllNow (Immediate Action Setting). When a CloseRun occurs automatically and CloseRunAutoRestart=true, then a new FixedGrid Run will start up at the immediate current market bid price after the previous Run orders are all closed. This setting cannot be changed on-the-fly. Settings List

23. **FixedGridCenterPips**=0 - When set to the default 0, this input is ignored. When set to a number of pips value greater than 0, then a FixeGridCenterPips zone the pips depth of the value set, is created at and centered by the FixedGrid fixed center. This CenterPips zone separates the placement of buy and sell pending orders by the set value of pips. For example, if FixedGridCenterPips=15 and GridOrderSpacing=3, then no pending grid orders can be placed inside of that 15 pip Center zone. Settings List

24. **GridOrderSpacingStep**=1 - When set to the default 0, this input is ignored. When set to a number and FixedGrid=true, then the GridOrderSpacing is increased incrementally by that number. For example, if GridOrderSpacing=10 and GridOrderSpacingStep=2, then the distance from the FixedGrid center price to the first pending order set closest to that center price will be 10 pips. The next interval between the first and second pending orders will be 12 pips, the next 14 pips, and so on. Any pending orders that are triggered and closed during a Run are replaced at exactly where they were set the first time and with the same parameters. For FullGrids, the GridOrderSpacing increases in both directions, for pending orders above and below grid center. When a Run closes and a new Run begins automatically when CloseRunAutoRestart=true (24.), GridOrderSpacing starts again as was originally set and pending order intervals are then increased again as was also originally set by GridOrderSpacingStep. This setting cannot be changed on-the-fly. Settings List

25a. **LotSizeIncreaseAmount**=0 - When set to the default 0, this input is ignored. When set to a number and FixedGrid=true, then the lot size (as determined by either the LotSize or LotSizePercent setting) is increased incrementally from one pending order to the next by that number. For example, if the starting lot size is 0.15 and LotSizeIncrease=0.01, then the lotsize for the next pending order placed will be 0.16, the next one 0.17, next 0.18, and so on. When a Run is closed (open trades closed and pending orders deleted) and a new Run begins automatically when CloseRunAutoRestart=true (24.), the FixedGrid and lot size starts again as was set originally (either by LotSize or LotSizePercent) and the lot size is increased again as was also originally set. This setting cannot be changed on-the-fly. Settings List

25b. **LotSizeIncreasePercent**=11 - When set to the default 0, this input is ignored. When set to a percent and FixedGrid=true, then the lot size (as determined by either the LotSize or LotSizePercent setting) is increased incrementally from one pending order to the next by that percent. This setting may be useful for Martingale strategies made famous by professional gamblers. For example, if the starting pending order lot size is say 1.2 and LotSIzeIncreasePercent=100, then the next pending order lot size would be increased by 100% to 2.4, the next one to 4.8, the next one to 9.6, the next one to 19.2, and so on. If you are starting with a lot size of 1.2 and LotSIzeIncreasePercent=50, then the next pending order lot size would be increased by 50% to 1.8, the next one to 2.7, the next one to 4.05, the next one to 8.10 and so on. When a Run is closed (open trades closed and pending orders deleted) and a new Run begins automatically when CloseRunAutoRestart=true (24.), the FixedGrid and lot size starts again as was originally set (either by LotSize or LotSizePercent) and the lot size is increased again as was also originally set. This setting cannot be changed on-the-fly. Settings List

25c. **LotSizeIncreaseFibo**=false - When set to the default 0, this input is ignored. When set to a number and FixedGrid=true, then lot size (as determined by either LotSize or LotSizePercent) is increased incrementally from one pending order to the next in accordance with the Fibonacci sequence... 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, and so on. The sequence grows like this... next lot size = current lot size + previous lot size. For example, if the starting lot size is 1.2, then the next lot size will be 1.2 (1.2 + 0, the previous lot size), and the next lot size will be 2.4 (1.2 + 1.2), and the next lot size will be 3.6 (2.4 + 1.2), and the next lot size will be 6.0 (3.6 + 2.4), and the next lot size will be 9.6, and so on. When a Run is closed (open trades closed and pending orders deleted) and a new Run begins automatically when CloseRunAutoRestart=true (24.), the FixedGrid and lot size starts again as was originally set (either by LotSize or LotSizePercent) and the lot size is increased again as was also originally set. This setting cannot be changed on-the-fly. Settings List

FixedGrid Scenarios TOC

FixedGrid=true (20.) and GridStartPriceUp=0.0 and GridStartPriceDown=0.0 (7b.) and CloseRunAutoRestart=true (24.) - The initial FixedGrid center will be the current market bid price on the first tick that follows your click of the OK button, after you have configured your strategy to be ready for trade. Follow-up Runs will be centered by whatever the immediate market bid price is after the previous Run closes and the next Run starts.

FixedGrid=true and GridStartPriceUp=0.0 and GridStartPriceDown=0.0 and CloseRunAutoRestart=false - The initial FixedGrid center will be the current market bid price on the first tick that follows your click of the OK button, after you have configured your strategy to be ready for trade. There will be no follow-up Runs and the robot must be restarted again manually and the Run count will start again at 1. Settings List

FixedGrid=true and GridStartPriceUp=1.3255 and or GridStartPriceDown=1.3195 with grid center starting at 1.3225 as a eurusd example - Price reaching either 1.3255 or 1.3195 will start Run 1. Run 2 FixedGrid center will then be the immediate market bid price after Run 1 closes. Follow-up Runs will continue the same way.

26. HedgeGrid=false - If set to the default false then all hedge settings below are ignored. If Hedge=true then all settings below are enabled according to how each of them are set. This setting cannot be changed on-the-fly.

27. HedgeOrderSpacing=50 - This input determines the pips distance from each hedge pending order to the next one in the HedgeGrid. HedgeOrderSpacing is centered on the same grid center as the main grid is and operates the same way as does GridOrderSpacing in the General Grid Settings. This setting cannot be changed on-the-fly. Settings List

28. HedgeCenterPips=0 - If set to 0 then this setting is ignored. HedgeCenterPips works the same way as does CenterPips in the General Grid Settings section. A HedgeCenterPips zone the pips depth of the value set, is created at and centered by grid center. This HedgeCenterPips zone separates the initial placement of hedge buy and sell pending orders by the set value of pips. For example, if HedgeCenterPips=100 then no pending HedgeGrid orders can be placed inside of that 100 pip hedge center zone (main grid orders can of course) but they are placed immediately on both sides so that the distance between the first pending order at the top of the HedgeCenterPips zone and the first pending order at the bottom is exactly 100 pips. This setting cannot be changed on-the-fly.

29. HedgeBuy-1_Sell-2_BuySell-3=3 - This input determines whether the HedgeGrid pending orders placed are either all pending HedgeBuy orders (Buy_1), or all pending HedgeSell orders (Sell_2), or both pending HedgeBuy and HedgeSell orders (BuySell_3). As an example, if HedgeBuySell and HedgeTrend (next setting down) is chosen, then pending HedgeBuy stop orders will be placed above main grid center, or if set, at the top of the HedgeCenterPips zone and pending HedgeSell stop orders at the bottom. If HedgeBuySell and HedgeCounterTrend is chosen, then pending HedgeBuy limit orders will be placed below main grid center, or if set, at the bottom of the HedgeCenterPips zone and pending HedgeSell limit orders at the top. When trading a HedgeBuySell grid, HedgeHalfGrid must be chosen too because a half grid of HedgeBuy orders is trading with a half grid of HedgeSell orders. All main grid and hedge grid orders are placed at currency pair bid prices rounded off to the nearest pip. This setting cannot be changed on-the-fly. Settings List

30. HedgeTrend-1_CounterTrend-2=1 - This input determines whether the HedgeGrid of pending orders will be HedgeTrend or HedgeCounterTrend. A HedgeTrend strategy places pending HedgeBuy stops above main grid center, or if set, at the top of the HedgeCenterPips zone and or pending HedgeSell stops at the bottom. A

HedgeCounterTrend strategy places HedgeBuy limits below main grid center, or if set, at the bottom of the HedgeCenterPips zone or HedgeSell limits at the top. This setting cannot be changed on-the-fly. Settings List

31. HedgeFullGrid-1_HalfGrid-2=2 - This input determines whether hedge pending orders will be placed equally divided on both sides of grid center or on both sides of the HedgeCenterPips zone (if set), when set to HedgeFullGrid for HedgeBuy or HedgeSell grids**,** or one side only when set to HedgeHalfGrid for HedgeBuy or HedgeSell grids. HedgeBuySell grids must be set to HedgeHalfGrid because a half grid of HedgeBuy orders is trading with a half grid of HedgeSell orders. This setting cannot be changed on-the-fly. Here are some basic examples …

4. HedgeBuy Trend FullGrid is chosen to trade price that is trending upwards. This will place pending HedgeBuy stop orders above main grid center, or if set, at the top of the HedgeCenterPips zone, and pending HedgeBuy limit orders at the bottom, or you can choose HedgeHalfGrid which will place pending HedgeBuy stop orders above main grid center, or if set, at the top of the HedgeCenterPips zone, but no HedgeBuy limits at the bottom.
5. HedgeBuy CounterTrend HalfGrid is chosen to trade price expected to drop and turn back up. This will place pending HedgeBuy limit orders below main grid center, or if set, at the bottom of the HedgeCenterPips zone, but no HedgeBuy stops at the top.
6. HedgeBuySell CounterTrend is chosen to trade price that is ranging. When you choose HedgeBuySell you must choose HedgeHalfGrid which will place pending sell limit orders above main grid center, or if set, at the top of the HedgeCenterPips zone and pending HedgeBuy limit orders at the bottom (two half grids).

Next 4 HedgeGrid settings - These operate the same as but independently from the 4 main grid settings… TotalPendingBuyOrders, TotalPendingSellOrders, TotalOpenBuyTrades and TotalOpenSellTrades. Settings List

32a. HedgePendingBuyOrders=1 - This input determines the number of pending HedgeBuy limit and or HedgeBuy stop orders placed at grid start and the maximum number permitted at any time. The number that HedgeOpenBuyTrades below is set to determines the limit of HedgeBuy open trades allowed, and the number of HedgeBuy pending orders will be controlled accordingly. If the number of HedgeBuy open trades reaches its limit, but then decreases (one or more HedgeBuy trades close), then ForexGridMaster will resume opening HedgeBuy pending orders to match.

32a. HedgePendingSellOrders=1 - This operates the same as HedgePendingBuyOrders above but for sells. This input determines the number of pending HedgeSell limit and or HedgeSell stop orders placed at grid start and the maximum number permitted at any time. The number that HedgeOpenSellTrades below is set to determines the limit of HedgeSell open trades allowed, and the number of HedgeSell pending orders will be controlled accordingly. If the number of HedgeSell open trades reaches its limit, but then decreases (one or more HedgeSell trades close), then ForexGridMaster will resume opening HedgeSell pending orders to match. Settings List

33a. HedgeOpenBuyTrades=3 - When set to the default 0, this input is ignored. When set to a number such as 3 for example, then this input limits the number of open HedgeBuy trades to that number.

33a. HedgeOpenSellTrades=3 - When set to the default 0, this input is ignored. When set to a number such as 3 for example, then this input limits the number of open HedgeSell trades to that number.

34a. HedgeOrderLotSize=0.01 - This input determines exactly the lot-size of the hedge orders if the next setting HedgeOrderLotSizePercent=0. If the next setting HedgeOrderLotSizePercent is set to a higher value than 0, then that value will determine the lot-size of the hedge orders if that calculated lot-size by HedgeOrderLotSizePercent is larger than what HedgeOrderLotSize is set to, which establishes the minimum value for lot-size. By fixing a minimum HedgeOrderLotSize, FGM can detect a potential margin-call situation, and take the appropriate action. Please note that the chosen HedgeOrderLotSize value cannot be less than the minimum lot-size required by broker. Settings List

34a. HedgeOrderLotSizePercent=0 - When a value is set here, then the lot-size traded is determined by the account's free margin multiplied by the value set in this input divided by 100. As an example, with LotSIzePercent set at the default 0.001 on a standard account with a free margin value of $100,000 (where 1 lot = $100,000), then the lot-size will be 1 which is $100,000 x 0.001 / 100 = $100,000, or if set to 0.0015, then lot-size 1.5 or $150,000 per trade, or if set to 0.00152, then lot-size 1.52 or $152,000 per trade.

35. HedgeOrderTakeProfitPips=0 - This input determines how many pips profit each of the pending hedge orders will target and capture. If for example, the EURUSD is traded, and a pending HedgeBuy order is set to open at 1.3700 and it opens, and HedgeOrderTakeProfitPips=35 …then when price reaches 1.3735, the trade will close capturing 35 pips of profit. When set to 0, this input is ignored. Settings List

36. HedgeOrderReplacement=true - If true then when a hedge order has closed it will always be replaced when possible to do so within the same grid run. If set to false then each hedge order within a HedgeGrid run will only open once. This setting operates independently from GridOrderReplacement in the "General Grid Settings" section.

37. HedgeCloseRun=false - If false then this setting and the next two settings (HedgeOpenBuysCloseRun and HedgeOpenSellsCloseRun) are ignored and the settings in the "Close Run Settings" and "Immediate Action Settings" sections control all orders within grid runs (including all main grid and hedge grid orders). If set to true, then this setting will over-rule and trigger a complete CloseRun (includes all main grid and hedge grid orders) immediately when one or both of the next two setting values are reached. Settings List

38. HedgeOpenBuysCloseRun=1 - If set to 0 then this setting is ignored. If set to 1 or more open HedgeBuy trades and the value set is reached and HedgeOpenSellsCloseRun=0, then a complete CloseRun is triggered. If HedgeOpenSellsCloseRun is set to a value higher than 0, then the values of both HedgeOpenSellsCloseRun and HedgeOpenBuysCloseRun must be reached to trigger the CloseRun (not one or the other). This setting can be changed on-the-fly.

38. HedgeOpenSellsCloseRun=1 - If set to 0 then this setting is ignored. If set to 1 or more open HedgeSell trades and the value set is reached and HedgeOpenBuysCloseRun=0, then a complete CloseRun is triggered. If HedgeOpenBuysCloseRun is set to a value higher than 0, then the values of both HedgeOpenBuysCloseRun and HedgeOpenSellsCloseRun must be reached to trigger the CloseRun (not one or the other).. This setting can be changed on-the-fly. Settings List

39. HedgeCloseRunAutoRestart=true - If true then ForexGridMaster will automatically restart a new grid Run with the same main and hedge grid settings as was traded on the previous run, immediately after all orders of the present grid Run are closed. If set to false, then no new Run will be started after the CloseRun is complete, and FGM must be manually reset to start trading again at Run 1.

Net Profit calculations of the HedgeGrid open and closed orders are combined with the main grid calculations , and their combined value will trigger the CloseRun profit or loss settings. The Net Profit (Hedge grid plus main grid) is displayed as the main grid Net Profit in the FGM chart comments. When a main grid CloseRun happens and a HedgeGrid was part of it, then all orders are closed including all HedgeGrid orders, pending and open. Settings List

Close Run Settings

Grid Run - A grid Run starts when a grid of pending orders is placed on the broker's MT4 server according to the FGM strategy preset file input settings chosen by trader. The CloseRun settings in this section all determine how and when the grid of orders is completely closed and whether the robot will automatically restart trading again with Run 2 and follow-up Runs or not. Partial Run closes are possible by closing trades manually or by using input settings in the Immediate Action Settings section, except CloseAllNow which does trigger a complete CloseRun. When either complete or partial CloseRuns occur, a colored vertical bar will mark the place on the chart and its properties state the type of close and the equity at the time. Full closes will be numbered 1, 2, 3 etc. Partial closes add letters to the numbers… 1a, 1b, 1c, etc.

40. **CloseRunAutoRestart**=true - If set to the default of true, then ForexGridMaster will automatically restart a new grid Run immediately after the present grid Run is closed due to any of the following settings … CloseRunProfitPercent or ProfitPercentBeforeTrailStop with TrailStopPercent, ProfitMoneyBeforeTrailStop with TrailStopMoney, and **or** CloseRunLossPercent that may be activated and triggered**.** If set to false, then no new Run will be started after a CloseRun is complete, and ForexGridMaster must be manually reset to start trading again and the Run count starts again at Run 1. This setting can be changed on-the-fly. Settings List

41. **RestartPipsUpOrDown**=0 - When set to default 0, this input is ignored. When set to a value greater than 0 and CloseRunAutoRestart=true, this input at the end of a CloseRun determines the pips distance from Current price, either up or down, that the next Run will be triggered to start trading. This setting can be changed on-the-fly.

42. **RestartSeconds=**0 - When set to the default 0, this input is ignored. When set to a value in seconds greater than 0 and CloseRunAutoRestart=true, this input determines the amount of time in seconds (starting immediately after a CloseRun has closed all orders) before the next grid Run begins. The maximum setting is 36,000 seconds (10 hours). This setting can be changed on-the-fly. If RestartPipsUpOrDown and RestartSeconds are both set to a value greater than 0, then whichever is triggered first will happen... either price moves the value of pips set first and a new run opens or the number of seconds set goes by first and a new follow-up run is triggered open. Settings List

43. **CloseRunProfitPercent**=0.34 - If set to the default 0 then this input is ignored. When set to a percent number value, this input determines what percentage of profit will close a Run (close all open trades and delete all pending orders). As an example, if trader sets CloseRunProfitPercent=3, this means that 3% of the Run start equity becomes the Run target. ForexGridMaster will then close the present Run when it reaches the 3% target and a new Run will start immediately (unless CloseRunAutoRestart=false**).** The 3% target is the Net Profit total of closed trades within that specific grid Run plus the net value of open trades. If ShowComments=true then you can view the constantly updating Net Profit figure on the chart in the Current Stats area. This is calculated separate from other EA placed grids or manually placed trades running on the same currency pair or other currency pairs and therefore different unique EA numbers must be used if more than one EA is used on the same currency pair, or on other currency pairs in the same account. This setting can be changed on-the-fly. Settings List

44a. **CloseRunLossPercent**=70 - If set to the default 0 then this input is ignored. This input closes the Run when the net total of all open trades (closed trades do not apply) is negative by whatever percent of high water mark equity this input is set to (default=70%). That percent is based on the highest equity amount attained from the time ForexGridMaster opens its first trade for that Run. This is calculated separate from other grids or trades placed manually, running on the same currency pair. Different unique EA numbers must be used for more than one EA trading on the same currency pair or any other pairs in the same account. This setting can be changed on-the-fly.

44b. **CloseRunLossStop**=true - For this setting to be activated, a value must be set for the setting just above. If set to the default of true then any further trading activity is prevented once the run is closed by CloseRunLossPercent above. This setting can be changed on-the-fly. Settings List

45a. **ProfitPercentBeforeTrailStop**=0 - If CloseRunProfitPercent=0 then ProfitPercentBeforeTrailStop will be enabled when set to a percent amount or ignored if set to the default 0. If ProfitPercentBeforeTrailStop=5.3, then equity must increase by 5.3% before the TrailStopPercent input below is enabled. The ProfitPercent target equals the Net Profit total of trades closed during that specific grid Run plus the net profit total value of all open trades. This setting can be changed on-the-fly. When CloseRunProfitPercent=3.0 for example, then ProfitPercentBeforeTrailStop and the TrailStopPercent input below are ignored.

45b. **TrailStopPercent**=0 - When ProfitPercentBeforeTrailStop is set to the default 0, this input is ignored. When set to a percent, then this input is enabled. If PercentTrailStop=1.3, and ProfitPercentBeforeTrailStop=5.3 is reached, the 1.3% trail stop is activated and 4.0% profit is locked in. When the 5.3% profit target is reached and profit increases from there, then the trail stop will follow by the value determined by the 1.3% setting. This setting can be changed on-the-fly. Settings List

46a. **ProfitMoneyBeforeTrailStop=**0 - When the above CloseRunProfitPercent **i**nput is set to a percent amount, this input and the TrailStopMoney input below is ignored. If the above CloseRunProfitPercent input is set to its default 0 then this setting will be enabled when set to a money amount or ignored if left at the default 0. If for example ProfitMoneyBeforeTrailStop=3000, then equity must increase by $3000 before the TrailStopMoney input below is enabled (or whatever base currency the account uses). The ProfitMoney target is the Net Profit total of closed trades within that specific grid Run plus the net value of open trades. This setting can be changed on-the-fly.

46b. **TrailStopMoney**=0 - When the above ProfitMoneyBeforeTrailStop input is set to the default 0, this input is ignored. When the above ProfitMoneyBeforeTrailStop input is set to a money number, such as 3000, then this input is enabled. If you set this input to say 500, then when profit reaches $3000, the $500 trail stop is activated and a $2500 profit is locked in. As profit increases, the trail stop will follow dollar by dollar (or whatever base currency the account uses) … if to $3001 then $2501 profit is locked in … if to $3760 then $3260 profit is locked in. The ProfitMoney target is the Net Profit total of closed trades within that specific grid Run plus the net value of open trades. This setting can be changed on-the-fly. Settings List

47a. **CloseRunPriceMaximum**=0 - If set to the default 0 then this input is ignored. If set to a bid price then when price rises to that set bid price, the EA strategy shuts down, closing all open trades and deleting all pending orders. and no new Run will be started, and ForexGridMaster must be manually reset to start trading again and the Run count starts at 1 again. This setting can be changed on-the-fly. Settings List

47b. **CloseRunPriceMinimum**=0 - If set to the default 0 then this input is ignored. If set to a bid price then when price drops to that set bid price, the EA strategy shuts down, closing all open trades and deleting all pending orders. and no new Run will be started, and ForexGridMaster must be manually reset to start trading again and the Run count starts at 1 again. This setting can be changed on-the-fly. Settings List

48. **PriceTrailStopPips**=0 - If set to the default 0 pips, then this setting is ignored. If set to a value of 1 or greater then this setting applies to the current bid price at the time of its initiation. If as an example the current EURUSD price is 1.3095 and PriceTrailStopPips=20 (plus 20) then as price moves up, the stop-loss will trail by 20 pips from below price but will not retrace back down. Whenever price retraces back down by 20 pips then a CloseAllNow is triggered and the current grid Run will be stopped on the next tick and all orders controlled by that EA will close. Open trades are closed and pending orders deleted and ForexGridMaster is completely stopped. The EA must then be removed and restarted again manually. If the current EURUSD price is 1.3095 and PriceTrailStopPips=-20 (minus 20) then the same event will occur but in the opposite direction... the PriceTrailStopPips follows price down from above price. Say price goes down from 1.3095 to 1.3007 without retracing 20 pips along the way and then price retraces 20 pips back to 1.3027, then the CloseAllNow function is triggered. Please be careful when using PriceTrailStopPips and CloseRunAutoRestart. This setting can be changed on-the-fly. Settings List

Time Settings

49a. **GridStartTime**=ignore - When set to the default of ignore, this setting is ignored. This input determines the time when this EA will open a grid of pending orders. It's based on the Market Watch time found on the title bar at the top of the Market Watch window of the MT4 platform that ForexGridMaster is trading on. If GridStartTime=00:00 as one example, then ForexGridMaster is activated at 00:00 (midnight) Market Watch time. If set to 08:30, then ForexGridMaster will start placing its orders automatically at 8:30 am. If set to 20:30, then ForexGridMaster will start at 8:30 pm. GridStartTime can work on its own independently, or in conjunction with GridStopTime, the next setting below. This setting can be changed on-the-fly anytime before it has been triggered.

49b. **GridStopTime**=ignore - When set to the default of ignore, this setting is ignored. This input determines at what time ForexGridMaster will stop the present Run and close out all open trades and delete all pending orders. Same as the above GridStartTime, it is based on the Market Watch time. GridStopTime can work on its own independently, or in conjunction with GridStartTime, the setting above. For example, if GridStartTime is set to 23:00 and GridStopTime is set to 07:25 then ForexGridMaster will trade thru the night and shut down at 07:25 (7:25 am) in the morning and then start up again at 23:00 (11 pm) at night and then repeat that schedule daily for each of the days you have enabled trading to occur (all days are enabled by default). For another example, if the time period is set by GridStartTime and GridStopTime from 08:05 to 19:35, then ForexGridMaster will trade from 8:05 am thru the day until 7:35 pm at night and do the same on the following enabled trading days. This setting can be changed on-the-fly anytime before it has been triggered. Settings List

50a. **FridayCloseTime**=ignore - When set to the default ignore, this setting will be ignored. This input sets a close time according to your MT4 Market Watch time … 08:25, 11:45, 14:00, as examples. This setting can be useful to avoid possible large unexpected price gaps that can occur over the weekend. At the time you set for FridayCloseTime, the current Run will be closed by closing all open trades and deleting all pending orders. Even if the setting CloseRunAutoRestart=true, it will be ignored and the EA must be manually restarted again. This setting will continue to operate from week to week and can be changed on-the-fly anytime before its trigger time.

50b. FridayCloseProfitOnly=true - If set to true, the Run will close at the close time set only if at the close time (say 14:00 as an example) the Run net profit is positive. If false, then CloseTime is ignored and the Run not closed. This setting will continue to operate from week to week and can be changed on-the-fly anytime before its trigger time.

50c. FridayCloseTimePeriod=120 If set to zero then FGM looks once at 14:00 (continuing with our example) and will close if the Run is in profit, or not close if the Run is not in profit. If set to 120 (minutes), it means that during the 120 minute period of time FGM monitors the Run net profit and will close the Run if and when it is in profit during that 120

minute time period. This setting will continue to operate from week to week and can be changed on-the-fly anytime before its trigger time. Settings List

Trade(xxx)**day** (51a. to 51g.) - When one or more of the Trade(xxx)day input settings below are set to their default values of true, then trading is enabled for those particular days, week after week, continuously until set differently. These Trade(xxx)day settings are based on Market Watch time which is displayed on the title bar of the Market Watch window on your MT4 trading platform. The time period for each Trade(xxx)day starts at 00:00:00 Midnight and ends 24 hours later at 23:59:59. Whenever one or more of the Trade(xxx)day settings are set to false, then trading is disabled for that day, and a complete CloseRun is triggered at 00:00:00 of that day to close all open trades and delete all pending orders. If CloseRunAutoRestart=true, then a new Run will start up again automatically but not until the next enabled Trade(xxx)day arrives. If CloseRunAutoRestart=false then the EA must be manually restarted again. These Trade(xxx)day settings can be changed on-the-fly anytime before their trigger time. Settings List

51a. **TradeSunday**=true - Please review the previous paragraph explanation for Trade(xxx)day above. Sundays are handled a bit differently from the other days because the market is closed previous to Sunday market opening time. So… if TradeSundays=false and TradeFridays=true, then the present Run actually needs the CloseRun function to be triggered at least 15 minutes before market closing time on Friday to make sure all open trades and pending orders are closed in time before Friday market close time. This setting can be changed on-the-fly anytime before its trigger time. Settings List

51b. **CloseForSundayFridayTime**=ignore - This setting is activated when TradeSunday=false. Find out what Market Watch time your trading is closed on Fridays by your broker and set the time here to be at least 15 minutes before the Friday market closing time to make sure all trade orders have enough time to close. For example, my accounts at GoMarkets in Australia close on Friday afternoons at the Market Watch time of 22:59:59 so I would use this setting CloseForSundayFridayTime=22:30. This setting is useful to close out orders on Friday afternoon to avoid the weekend gap that shows up at Sunday evening open time. This setting can be changed on-the-fly anytime before its trigger time. Settings List

51c. **TradeMonday**=true - When set to false, then trading will be disabled for Mondays from 00:00:00 to 23:59:59 Market Watch time. If a Run is open and trading on Sunday previous to TradeMonday=false, then that Run will close at 00:00:00 midnight Market Watch time between Sunday and Monday and a new Run will not start up automatically until the next enabled Trade(xxx)day. When CloseRun is triggered, all open trades and pending orders are closed. This setting can be changed on-the-fly anytime before its trigger time.
51d. **TradeTuesday**=true - This setting operates the same as above.
51e. **TradeWednesday**=true - This setting operates the same as above.
51f. **TradeThursday**=true - This setting operates the same as above.
51g. **TradeFriday**=true **-** This setting operates the same as above.

51h. **CloseDayLeadTime=**0 - This setting is used to close the Run at a lead time (set in number of minutes) before the end of the day and applies to all days enabled for trading. The title bar at the top of the Market Watch window (usually top left of the charts) displays the current trading time as does hovering over any candle (either top of up candle body or bottom of down candle). This setting can be changed on-the-fly. Settings List

Alerts and Log Settings

When UseIniFile=true all these alert and log settings are controlled by the settings in the FGM_default.ini file. When UseIniFile=false, these settings are enabled and can also be changed on the fly.

52a. **AlertRunClosedSound**=true - When set to true, a sound alert will trigger when a Run has been closed.
52b. **AlertRunClosedPopup**=false - When set to true, a popup window alert message will trigger when a Run has been closed, containing information about why the Run was closed.
52c. **AlertRunClosedEmail**=false - When set to true, an email is sent notifying the receiver that a Run has been closed and why. For this feature to work, the email parameters found via the “Email” tab in the MT4 trading platform Options window, must be correctly configured. Go to the main MT4 menu at the top, then Tools > Options > Email to configure the appropriate settings for email delivery. Settings List

53a. **AlertBuysOpenSound**=0 - When set to 0 this setting is disabled. When set to a number value like 5 for example, a sound alert will trigger when a 5th buy trade opens and 4 buy trades are already open.

53b. **AlertBuysOpenPopup**=0 - When set to 0 this setting is disabled. When set to a number value like 5 for example, a popup window alert message will trigger when a 5th buy trade opens and 4 buy trades are already open.
53c. **AlertBuysOpenEmail**=0 - When set to 0 this setting is disabled. When set to a number value like 5 for example, an email is sent notifying receiver when a 5th buy trade opens and 4 buy trades are already open. See 52c. AlertRunClosedEmail to see how to configure the email send out. Settings List

54a. **AlertSellsOpenSound**=0 - This setting operates the same as 53a. above.
54b. **AlertSellsOpenPopup**=0 - This setting operates the same as 53b. above.
54c. **AlertSellsOpenEmail**=0 - This setting operates the same as 53c. above.

55a. **AlertMarginWarningSound**=true - When set to true, a sound alert will trigger when a Margin Warning appears signifying that no new orders can be opened.
55b. **AlertMarginWarningPopup**=false - When set to true, a popup window alert message will trigger when a Margin Warning appears signifying that no new orders can be opened.
55c. **AlertMarginWarningEmail**=false - When set to true, an email is sent notifying receiver when a Margin Warning occurs and no new orders can be opened. See AlertRunClosedEmail for how to configure the email send out.

56a. **AlertFgmStoppedSound**=true - When set to true, a sound alert will trigger when FGM has stopped doing anything and may need attention.
56b. **AlertFgmStoppedPopup**=true - When set to true, a popup window alert message will trigger when FGM has stopped doing anything and may need attention.
56c. **AlertFgmStoppedEmail**=false - When set to true, an email is sent notifying receiver when FGM has stopped doing anything and may need attention. See AlertRunClosedEmail to see how to configure the email send out.

57a. **AlertHedgeOrderOpenBuysSound**=0 - When set to 0 this setting is disabled. When set to a number like 5 for example, then a sound alert triggers when a 5th hedge buy trade opens and 4 hedge buy trades are already open.
57b. **AlertHedgeOrderOpenBuysPopup**=0 - When set to 0 this setting is disabled. When set to a number like 5 for example, then a popup window alert message will trigger when a 5th hedge buy trade opens and 4 hedge buy trades are already open.
57c. **AlertHedgeOrderOpenBuysEmail**=0 - When set to 0 this setting is disabled. When set to a number like 5 for example, then an email is sent notifying receiver when a 5th hedge buy trade opens and 4 hedge buy trades are already open. See AlertRunClosedEmail to see how to configure the email send out function. Settings List

58a. **AlertHedgeOrderOpenSellsSound**=0 - When set to 0 this setting is disabled. When set to a number like 5 for example, then a sound alert will trigger when a 5th hedge buy trade opens and 4 hedge buy trades are already open.
58b. **AlertHedgeOrderOpenSellsPopup**=0 - When set to 0 this setting is disabled. When set to a number like 5 for example, then a popup window alert message will trigger when a 5th hedge buy trade opens and 4 hedge buy trades are already open.
58c. **AlertHedgeOrderOpenSellsEmail**=0 - When set to 0 this setting is disabled. When set to a number like 5 for example, then an email is sent notifying receiver when a 5th hedge buy trade opens and 4 hedge buy trades are already open. See AlertRunClosedEmail to see how to configure the email send out function. Settings List

59. **LogActivity**=true - The default is set to true to enable a fuller more detailed log file to be saved to your (MT4 platform)\experts\logs directory that can help you if when ForexGridMaster is not functioning properly. When there is a problem, you can view log file entries in the “Experts” tab at the bottom of your Terminal window which is at the bottom of your MT4 trading platform window by default. You can also right click on an entry and choose “Open” to view the whole log file for that day or any previous days. Settings List

60. **LogDebugInfo**=false - Like the setting above, this input can be set to true to enable an even more detailed log file to be saved to your (MT4 platform)\experts\logs directory that can help you if when ForexGridMaster is not functioning properly. See Problem Solving below.

Chart Comments Settings

When UseIniFile=true all these chart comments settings are controlled by the settings in the FGM_default.ini file. When UseIniFile=false, these settings are enabled and can also be changed on the fly Settings List

61. **ShowBuySellMarkers**=false - When set to the default of true, then whenever a buy or sell pending order is triggered open, where that trade is opened will be marked by a small rectangular box. When set to false, then this setting is ignored.

62. **ChartBackgroundDark**=false - If your chart background is white then you will want this setting set to false so that the color scheme is changed to enable you to see the CloseBar that is placed on the chart when and where a CloseRun has been triggered. Hovering your cursor over the CloseBar will give you specific info about the trade order closes that have occurred. Settings List

63. **ShowComments**=true - This enables ForexGridMaster to display its comments on the chart in the top right corner, including the SetFileName and Current Run Stats. When set to false, all comments are disabled and not displayed on the chart.

64a. **TextSize**=9 - This input determines the text size of the comments that ForexGridMaster displays on the chart. You can change this value to make the text smaller or larger. TextSize can also be controlled by the FGM_default_ini file. Settings List

64b. **TextColor**=Yellow - This input determines the color of the text comments that ForexGridMaster displays on the chart. I highly recommend changing the default black background of the MT4 platform charts to white and the TextColor to Black as it has been scientifically proven and also very much my experience (after 10 years with at least 4 monitors in front of me), that it is much healthier for eyesight. The MT4 default chart black background can be changed by right clicking on the chart and choosing “Properties…” at the bottom of the drop down menu, and then the “Colors” tab at the top, and then in the first field “Color scheme:” choose “Black on White”. On the right I choose green for “Bull candle” and red for “Bear candle” but many different combinations can be chosen.

Template files - The white background template files (“wb_grid-basic.tpl” and “wb_20-60-120-240-720-3600-sma.tpl“) included with your FGM purchase and can also be used. The “wb_grid-basic.tpl” is clean and the best place to initiate FGM on. I created the sma (Simple Moving Average) numbers 20-60-120-240-720-3600 based on the 60 sma for the H1 chart to also show it on the M1, M5, M15, M30 charts as a green sma line. I use the H1 sma 60 when scalping but I scalp on the M1 and M5 so like to see the position of that sma there with FGM actually trading on a neighboring M1 or M5 chart.. For instance, on the M1 the green sma is the 3600 sma which matches the 60 sma on the H1 chart (purple on H1 however). Jimmy Young says that the sma 60 on the H1 is the main moving average that the bank traders pay attention to. He is a retired bank trader on his own now but still connected to many bank trader friends. Of all the trainings I did, his was the best by far (http://eurusdtrader.com/site/) and since then (2007) I am always watching the H1 sma 60 as it helps to understand price action better.

65. **SetFileName**=gbpusd_bsct-5_s-1_tot-21_lsp.001_ip-11_crpp-0.34 - What you type here will be displayed on the chart above Current Run Stats. You can type anything here, but most useful for me is the exact name of the set file that FGM is trading. I also recommend that you name your set files with names that describe the main settings used in your strategy. The ForexGridMaster default preset file “gbpusd_bsct-5_s-1_tot-21_lsp.001_ip-11_crpp-0.34” tells me the GBPUSD, a BuySell CounterTrend FixedGrid strategy with GridOrderSpacing=5 pips, GridOrderSpacingStep=1, TotalOpenBuyTrades=21 and TotalOpenSellTrades=21, LotSizePercent=0.001, and CloseRunProfitPercent=0.34%. Settings List

FGM Comments Displayed on Chart - a real example explanation … TOC

1. Set file = gbpusd_bsct-5_s-1_tot-21_lsp.001_ip-11_crpp-034
2. Account Balance $101250.75
3. Current Equity $101240.63
4. EA Number 32511134
5. Run 1 Start Equity $67892.33 on 20120203 at 22:53:25
6. Run 1 to Run 5 Net Profit $2409.12 or 2.40%

7. Current Run 6 Stats at 22:34:53
8. Start Equity $102132.52
9, Start Time 2012.02.07 at 20:46:44
10. Loss Limit $-51426.71 or -50.00%
11. Profit Target $344.25 or 0.34%
12. Net Profit $12.42 or 0.01%
13. Fixed-Grid at 1.5894
14. Buys 0 / Sells 1

1. Set File = This is the name of the preset ".set" strategy file that contains your ForexGridMaster v5.00 input settings. Type your strategy name in the SetFileName input setting and or whatever else may be useful to you on the chart.
2. Account Balance - The amount of cash in your trading account.
3. Current Equity - This is the cash balance plus or minus the net total value of all open trades.
4. EANumber - You choose the number you want and it must be different than EANumbers of other EAs trading on the same account. Go to EANumber to view more information.
5. Run 1 Start Equity on (date) at (time) - Self explanatory.
6. Run 1 to Run 5 net profit (money) or (percent) - Self explanatory. Useful for analysis, especially compounding.
7. Current Run 6 Stats at (time) - Lines 8-14 below all refer to the current Run stats at this time.
8. Start Equity (money) - The equity amount at the start of the current Run.
9. Start Time (date) at (time) - The time at the start of the current Run.
10. Loss Limit (money) or (percent) - This is determined by the value you set for CloseRunLossStop.
11. Profit target (money) or (percent) - This is determined by the values you set using CloseRunProfitPercent, ProfitPercentBeforeTrailStop, TrailStopPercent, ProfitMoneyBeforeTrailStop, TrailStopMoney.
12. Net Profit (money) or (percent)
13. Fixed-Grid at (center price)
14. Buys (number) / Sells (number)

Immediate Action Settings

Please note that settings 66a. to 70. below only affect the orders controlled by the EANumber of your strategy. You can use ForexTradeManager to close all orders of all EAs and any manually placed orders, either immediately or according to your choice of several settings. Settings List

66a. **CloseBuyTrades**=false - Set to true to close all open buy trades, or false to not close any. This setting can be changed on-the-fly. If as an example you close all open buy trades, a partial CloseRun will occur and you will need to go back to the FGM inputs and reset CloseBuyTrades=false and click OK to allow FGM to continue controlling the Run and the appropriate pending buy orders will replace the closed buy trades as configured by your FGM input settings. Only CloseBuyTrades or CloseSellTrades (not both) can be set to true at one time, and no other settings from 49a. to 52. can be set to true at the same time either. If you want to close both open buy and sell trades at the same time, then open FGM properties and set CloseAllNow=true.

66b. **CloseSellTrades**=false - Set to true to close all open sell trades, or false to not close any. This setting can be changed on-the-fly. If as an example you close all open sell trades, a partial CloseRun will occur and you will need to go back to the FGM inputs and reset CloseSellTrades=false and click OK to allow FGM to continue controlling the Run and the appropriate pending sell orders will replace the closed sell trades as configured by your FGM input settings. Only CloseBuyTrades or CloseSellTrades (not both) can be set to true at one time, and no other settings from 49a. to 52. can be set to true at the same time either. If you want to close both open buy and sell trades at the same time, then open FGM properties and set CloseAllNow=true. Settings List

67a. **DeletePendingBuyOrders**=false - When set to true, this setting will delete all pending buy orders.
67b. **DeletePendingSellOrders**=false - When set to true, this setting will delete all pending sell orders. Either of these settings or both at the same time can be set to true. They can be changed on-the-fly however it's a one-time event within the same Run. If as an example you delete the pending buy orders, a partial CloseRun will occur and you will need to go back to the FGM inputs and reset DeletePendingBuyOrders=false and click OK to allow FGM to continue controlling the Run however no more pending buy orders will be placed unless an automatic CloseRun occurs and then the next Run will start and the pending buy orders will be placed as normal.

68a. **CloseProfitTrades**=false - Set to true to close all open trades in profit, or false to not close any. This setting can be changed on-the-fly. If as an example you close positive (in profit) open trades, a partial CloseRun will occur and you will need to go back to the FGM inputs and reset CloseProfitTrades=false and click OK to allow FGM to continue controlling the Run and the appropriate pending buy and sell orders will replace the closed profit trades as configured by your FGM input settings. Settings List

68b. **GreaterProfitThan**=0 - This setting is only enabled when the above CloseProfitTrades=true. This setting limits closing profit trades to only those showing more profit than the value set. If set to 100 as an example and the base account currency is USD then it means that only trades showing a profit of $100 or more will be closed. This setting can be changed on-the-fly.

69a. **CloseLossTrades**=false - Set to true to close all open trades in loss, or false to not close any. This setting can be changed on-the-fly. If as an example you close negative (in loss) open trades, a partial CloseRun will occur and you will need to go back to the FGM inputs and reset CloseLossTrades=false and click OK to allow FGM to continue controlling the Run and the appropriate pending buy and or sell orders will replace the closed loss trades as configured by your FGM input settings. Settings List

69b. **GreaterLossThan**=0 - This setting is only enabled when the above CloseLossTrades=true. This setting limits closing loss trades to only those showing more loss than the value set. If set to 100 as an example and the base account currency is USD then it means only trades showing a loss of $100 or more will be closed. This setting can be changed on-the-fly.

70. **CloseAllNow**=false - When set to the default of false, this input is ignored. To close all open and pending orders, open FGM properties window (without removing FGM beforehand) and change the input setting to "true" and the current grid Run will be stopped on the next tick and all orders controlled by FGM on that chart alone will close. Open trades are closed and pending orders deleted and ForexGridMaster is completely stopped. CloseAllNow must be reset to false for the EA to continue trading, in which case it will start the follow-up run. This setting can be changed on-the-fly. Settings List

Immediate Action Settings Scenarios TOC

1. Either of these 2 settings can be set to true, but NOT both at the same time …

CloseBuyTrades=true
CloseSellTrades=false
or
CloseBuyTrades=false
CloseSellTrades=true

Whether CloseRunAutoRestart=true or false, the same Run will continue, and the closed buy or sell trades are replaced with appropriate pending orders, and the CloseRunProfitPercent or ProfitPercentBeforeTrailStop with TrailStopPercent, or ProfitMoneyBeforeTrailStop with TrailStopMoney, and or CloseRunLossPercent calculations continue to keep track of the net value total of all trades closed during the Run plus the net value total of all open trades, until the open and closed trades combined net value triggers a CloseRun.

Also, when any trades are closed by these settings automatically ... OrderTakeProfitPips and or OrderStopLossPips or ProfitPipsBeforeTrailStop and or TrailStopPips … the same Run will continue, and the closed buy or sell trades are replaced with appropriate pending orders and the CloseRunProfitPercent or ProfitPercentBeforeTrailStop with TrailStopPercent, or ProfitMoneyBeforeTrailStop with TrailStopMoney, and or CloseRunLossPercent calculations continue to keep track of the net value total of all trades closed plus the net value total of all open trades, during the Run, until the open and closed trades combined net value triggers a CloseRun. Settings List

2. Either of these 2 settings or both at the same time can be set to true...

DeletePendingBuyOrders=true
DeletePendingSellOrders=false
or …

DeletePendingBuyOrders=false
DeletePendingSellOrders=true
or …
DeletePendingBuyOrders=true
DeletePendingSellOrders=true

Whether CloseRunAutoRestart=true or false, the same Run and calculations will continue as normal but no new pending orders of the type deleted (buy and or sell) are placed until after the Run is closed and a new Run starts, either automatically when CloseRunAutoRestart=true or manually.

Neither DeletePendingBuyOrders nor DeletePendingSellOrders can be set to true with the following settings below set to true at the same time … CloseBuyTrades, CloseSellTrades, CloseProfitTrades, CloseLossTrades, and CloseAllNow. You can delete pending orders first and then later use the other settings. Settings List

3. Either of these 2 settings combinations can be set to true, but NOT both at the same time...

CloseProfitTrades=true
GreaterProfitThan=0
and …
CloseLossTrades=false
GreaterLossThan=0
or …
CloseProfitTrades=false
GreaterProfitThan=0
and …
CloseLossTrades=true
GreaterLossThan=0

Whether CloseRunAutoRestart=true or false, the same Run continues, and the closed profit or loss trades are replaced with appropriate pending orders and the CloseRunProfitPercent or ProfitMoneyBeforeTrailStop with TrailStopMoney, and or CloseRunLossPercent calculations continue to keep track of the net value total of all trades closed plus the net value total of all open trades during the Run, until the open and closed trades combined net value triggers a CloseRun. Settings List

Also, when any trades are closed by these settings automatically, OrderTakeProfitPips and or OrderStopLossPips or ProfitPipsBeforeTrailStop and or TrailStopPips … the same Run continues, and the closed profit or loss trades are replaced with appropriate pending orders and the CloseRunProfitPercent or ProfitMoneyBeforeTrailStop with TrailStopMoney, and or CloseRunLossPercent calculations continue to keep track of the net value total of all trades closed plus the net value total of all open trades during the Run, until the open and closed trades combined net value triggers a CloseRun. Settings List

Problem Solving TOC

If your ForexGridMaster is not doing what you want it to do, then it's time to put on your detective hat. If your strategy has already been initiated on the chart then open the ForexGridMaster EA property window and check your input settings thoroughly to make sure they are properly configured and also compatible with each other. 9 out of 10 times you will most likely find your problem there. The more familiar you are with the manuals and all the workings of the ForexGridMaster input settings the better.

Always look for error messages mostly in the "Experts" tab and sometimes in the “Journal” tab, both of which can be accessed at the bottom of the Terminal window which by default is along the bottom of your MT4 platform window. A new log file is created each day. You can view, select and copy paste the most recent day entries direct from the tab entries list. To get to the whole log file for that particular day or for any other day, right click any line entry on the "Experts" and “Journal” tab and then choose “Open” and the pop-up window will show you a list of log files. Open a log file and you will see all the entries for that day. You can select the appropriate entries from the log file too (usually the best method) and copy paste them into an email to us or even save the log files somewhere else such as your desktop, and then attach them to an email to us as part of a problem report if you need our help. Settings List

Please provide some or all (if appropriate) of the following information when reporting a problem to us…

- Broker:
- Micro, Mini or Standard account:
- Account Leverage (100:1, 200:1, 500:1, etc.):
- Acct Balance, Equity and Margin level:
- MT4 Platform build from "Help" in the top menu and then "About..." on the left):
- When you load FGM does it show a smiley face:
- What time-frame is FGM trading:
- Are there other instances of FGM or other EAs trading on the same platform? If so explain.
- Attach the preset ".set" file/s which can be the most important as it enables us to precisely recreate the problem and work on it directly.
- Attach Experts and Journal log files or copy paste appropriate entries into the email. It is best to set LogActivity=true and LogDebugInfo=true and send us those log files when the problem occurs. Go to the Experts and Journal tab at the bottom of the Terminal window and right click on an entry and choose "Open" to view the whole log file for that day or any previous days, and then you save that log file to your desktop or somewhere and then attach them to an email to us and we will figure it out.
- If you think it is appropriate, send a copy of the Account Statement accessed from the "History" tab at the bottom of the Terminal window. Right click in the History entries, choose period of report and then choose "Save as Detailed Report" and save to desktop or wherever you can find it.
- If appropriate, send the chart image using the EA. Go to the top menu… "File", then "Save As Picture…"
- Please take your time and be thorough and include whatever other information you think may be helpful.

Your ideas and strategy contributions are most welcome. If there are any new inputs that you think can make ForexGridMaster even better and we agree, then we will add that feature, or we can customize it for you alone. We will continue to fine tune ForexGridMaster and keep up with any newer builds of MT4 that come out, so that it will always be as stable and reliable as possible. You will immediately be informed and have access to any upgrades.

Questions, comments, and suggestions are welcome regarding this manual and ForexGridMaster trading in general. We always want to continuously improve this manual, our robots and our interaction with other traders. Settings List

Sincerely, James King
Trading Forex full-time since 2002 and ForexGridMaster Developer
james@forexgridmaster.com

"**Risk comes from not knowing what you are doing!"** - Warren Buffet

ALL TRADING INVOLVES RISK OF LOSS - Trading in the Off Exchange Retail Foreign Currency Market (FOREX) can be one of the riskiest forms of investment available in the financial markets due to the ability to trade at high leverage (500 to 1 with some brokers) and therefore is suitable mostly for sophisticated individuals and institutions. The possibility exists that you could sustain a substantial or complete loss of funds and therefore you should not invest money that you cannot afford to lose. Nothing in this presentation is a recommendation to buy or sell currencies and James King or ForexGridMaster.com is not liable for any loss or damage, including without limitation, any loss of profit or funds invested, which may arise directly or indirectly from the use of James King's or ForexGridMaster.com's products such as, but not limited to… trading robots, tools, information, etc. or reliance on such information. Past performance does not guarantee future results and this refers also to all past performance demonstrated on ForexGridMaster.com. Every investor should consider all advice and all offerings of products and services on their own merits and for suitability to the investor's personal needs and circumstances.

Cape Split in the Bay of Fundy, Nova Scotia, Canada, very near where I was born and now live. I hike and camp there often which I can now do while my ForexGridMaster does the trading from my VPSs. ☺
http://en.wikipedia.org/wiki/Bay_of_Fundy