#1 Brokers and VPS

The most important step in properly setting up MFM5 is utilizing the best possible broker. MFM5 is consistently profitable, and will continue to be profitable for some time to come. It is important that you take your time and setup the system right. If you rush into trading live you could see less gains, or even losses.

There are dozens, if not hundreds of brokers out there and many brokers offer service to select regions, countries and individuals. For that reason it is impossible for me to direct everyone to one single broker.

When selecting a broker you will need to look for a trust worthy broker with low spreads and fast execution.

Most non US Forex brokers do not accept US citizens. If you are a US citizen and would like to avoid the leverage caps and other regulations that the US Government places on US Forex brokers, there are 3 options that I know of. tallinex.com, fxchoice.comand tradersway.com. I am using FXChoice, they accept clients from every almost every country including the US. I have done large deposits and withdrawals with them, so I know that they are safe. Brokers are basically banks, most are regulated and can be trusted. It is not often that a broker will rip someone of, although it has happened. If you are a US citizen and would like to use a US broker, the 2 best that I know of are atcbrokers.com and FXDD's mtxtreme account. If you are a non US citizen, you have many more options and most non US Forex brokers offer superior spreads and execution times. Keep in mind that most brokers will do, it just makes sense to find a broker that will bring you the most profit.

You can run the EA from your PC, however I strongly recommend using a VPS service, especially if you are going to trade in a live account. VPS may seem complicated to some, however, a VPS service is simply a remote desktop that you log into online and install your trading software there, when you turn off your home machine the EA continues to run. You can also access this VPS anywhere that you have a secure internet connection. Most VPS services offer simple setup tutorials, for that reason, don't go over VPS setup here.

Many Forex brokers offer free VPS that is close in proximity to their trade servers. This will allow for superior execution speeds, it would be wise for you to use their service. If you are going to go with a separate, paid VPS, like I do, I can only recommend one good VPS service linkuphost.com. They are one of the cheapest, they are fast, and I have never had problems with them. If you go with linkuphost.com, I recommend the ForexVPS 22 plan.

The next step is testing the EA in a demo account with the broker that you have selected. You can use the EA with up to 6 live or demo accounts at one time. I recommend that you test the EA in a demo account for up to a month, with a VPS. If you are happy with the results, you are ready to move on.

Repeat this process in a live account with the same broker using only the minimum balance. You should see similar or at least profitable results. If you do not, the broker you are using may have abnormally high spreads, a poor connection to the market, or may even be up to no good. Keep in mind that this is rare, most brokers are honest!

You will need to have MT4 installed on your system with an active live or demo account before moving to the next step, in tutorial #2.

Basic Settings:

Select the tab titled **inputs**. In the inputs tab there will be 3 sets of inputs, Basic, Advanced, and Downloaded You are only required to understand the 6 "Basic" settings. We will go over these inputs below:

1. Email: Enter the email address that you use to login to your MFM5 account. If you do not enter the correct email, or if you have not entered your trading account number into your MFM5 account, the EA will display an error on the trading screen and will not trade.

2. Broker_Points: You will need to determine whether your broker is a 4 or 5 point broker. In the **Market Watch** window of your MT4 platform locate the **EURUSD**. If you do not see your **Market Watch** window, go to **View/Market Watch** or hit **Ctrl+M**. If you cannot find the **EURUSD**, right click inside the **Market Watch** window and select **Show All**. To the right of the **EURUSD** you will see two decimal point numbers. Count the amount of digits to the right of the decimal point. If there are 5 digits, you have a 5 point broker, if there are 4 digits, you have a 4 point broker. Enter this into **Broker_Points**.

3. Lot_Size: If the **Lot_Size** is set to 0.0, the EA will automatically choose the lot size for you. By default the EA will trade at 0.01 lots per every $100 in the balance of your trading account. If you were trading with $500, the EA would take trades at 0.05 lots, when the balance increases to $600, the EA will take trades at 0.06 lots, and so on. If you would like to set your own lot size, enter it here. If the lot size that you enter is less than your broker's minimum lot size, the EA will default to your broker's minimum lot size.

4. Lot_Multiplier is multiplied by the lot size. If you set **Lot_Multiplier** to 2.0, it will double the default lot size that the EA uses. If you set **Lot_Multiplier** to 0.5, it will cut the lot size in half. **Lot_Multiplier** will only work if **Lot_Size** is set to 0.0. If you set your own lot size, **Lot_Multiplier** does nothing. The EA will also display the current lot size on the trading screen.

5. Dynamic_Lots will increase the lot size for pairs that have less risk, and decrease the lot size for pairs that have more risk.**Dynamic_Lots** will only work if Lot_Size is set to 0.0. If the resulting lot size is less than the broker's minimum lot size, the EA will default to the minimum lot size.

6. Commission_Points is the commission that your broker charges per trade, set in points. This usually only applies to ECN accounts.

If your broker charges 3.5 per side, that would be 7 round turn, in which case you would enter 7 into **Commission_Points**. If you do not know the commission that the broker charges, you will need to contact them and ask.

If your broker offers you a choice between an ECN account or a Classic account, choose a Classic account. In most cases the spread+commission in an ECN account will add up to the same amount as the spreads in a Classic account. Brokers generally do this so they can advertise lower spreads. If you have a Classic account, you will not need to enter commission into the EA.

You are only required to understand the first 8 settings. In most cases the **Advanced Settings** do not need to be changed, and the EA will automatically download the best **Downloaded Settings** from the server when the EA loads. If you do not want to go over the advanced and downloaded settings, you can skip to the "Display Settings" part of this tutorial.

Advanced Settings:

If **Stop_Loss** is set to 0, the EA will not use a stop loss. If **Stop_Loss** is set to 1, the EA will automatically determine the best stop loss for you. If **Stop_Loss** is set to any number other than 0 or 1, that number will be used for the stop loss. **Stop_Loss** is always set in points, regardless of whether you are using a 4 or 5 point broker; a **Stop_Loss** of 500 would always equal 50 pips.

I strongly recommend that you do not use a stop loss. The EA is not a "pray for return" EA it will cut losses. Exit strategies are often more complex than a simple hard stop. If you use a hard stop, the EA will still be profitable, however the win/loss ratio will not be as good. I only recommend using a stop loss if you are trading with higher lots and need to better define risk.

Magic_Number is a number that the EA sets in the trade in order to identify it. If you leave **Magic_Number** set to 0, the EA will choose the magic number for you. If you enter any number into **Magic_Number** the EA will use that number as the magic number.

The magic number should be 7 digits or less. The EA was designed to use the same **Magic_Number** for all pairs, however, I have noticed that there may be some rare problems with MT4 and using the same magic number with all pairs. It is a good idea to use a unique magic number for each pair.

Server_Comment is an identifier sent with the trade to your broker. You can change this comment, or leave it blank.

Safe_Margin is the amount of margin in your trading account that you do not want used. **Safe_Margin** is set in percentages. 20% to 30% is sufficient for an account with 200:1 leverage. If you are using a trading account with 100:1 leverage, consider setting**Safe_Margin** to 10% - 15%. If you are using a trading account with 500:1 leverage, consider setting **Safe_Margin** to 50% - 75%. This will prevent the account from hitting a margin call.

Double_Down will allow the EA to open a second trade per pair of equal lot size as the first if the EA sees a better opportunity to trade while one trade is already open. This will not happen often, but keep in mind that when it does, it will increase risk for that pair.

Max_Trades_Per_Session is the maximum amount of trades that the EA can take per pair, per trading session. This is mostly to prevent the EA from continually reopening a trade if another EA or signal is interfering. If you restart MT4 it will reset this number.

Range_Filter will prevent long trading when the market is high and in danger of falling, and reverse for short trades. If Download_Settings is set to true you do not need to turn on **Range_Filter**. This is something to consider if you are using your own settings.

Daylight_Savings is a back testing setting and has no effect on real time trading. We will go over **Daylight_Savings** in the back testing tutorial.

SSL_Connection: By default the EA will not use SSL to connect to the server. If you would like to use SSL, set this to true.

Downloaded Settings:

Download_Settings: If **Download_Settings** is set to **true** the EA will download all of the settings below from the MFM5 server. The EA will display the settings that it has downloaded on the trading screen. If there are no downloadable settings for that pair, the EA will display an error on the chart screen and will not trade. You can use the EA with any pair that you would like, with your own settings, if you set **Download_Settings** to **false**.

For now, leave **Download_Settings** set to **true**. You will first need to set the **Time_Offset** manually before you can use your own MFM5 settings. We will go over manually setting **Time_Offset** in the back testing tutorial.

Side: The EA can be set to either trade short, long, both, or neither (off).

Time_Offset: Different brokers are set to different server times, the EA needs to know what time it actually is in order to open and close trades at the right time of day. If this number is not accurate, the EA will open trades at the wrong time of day and probably lose money. If **Download_Settings** is set to true the EA will automatically determine the proper **Time_Offset** and display it on the chart screen. For most brokers the **Time_Offset** will be **0**.

The **Time_Offset** will not be automatically determined by the EA if **Download_Settings** is set to false or if you are back testing. We will go over manually setting the **Time_Offset** in the back testing tutorial.

iMax_Spread is similar to a normal max spread. However, iMax_Spread will look at the recent highs, lows, bids and ask positions to simulate fix spread trading in a variable spread trading account. One of the main reasons that live forward testing results differ from back testing results is that back testing is done in a fixed spread environment, where as most brokers today offer variable spreads.

If you are using a fixed spread broker, or if you are using a broker with very low spreads, you can set the above setting**iMax_Spread_Off** to **true** and you will receive more trades. I do not recommend that you do this unless you know what you are doing.

Time_Start: The EA is set to open new trades at a certain time of day. **Time_Start** is the time of day that the EA will begin trading.

This number is set in 24-hour clock time, often called "military time," without punctuation, starting from 5pm New York time.

example: 0 = 00:00, 2300 = 23:00, 2359 = 23:59, 45 = 00:45, 100 = 01:00, 130 = 01:30 etc... (00:00 = 5pm New York time)

Time_End is the time of day that the EA stops opening new trades. **Time_End** functions in the same manner as Time_Start.

You can cross 5pm New York time; a Time_Start of 2300 (23:00) and an **Time_End** of 100 (01:00) would result in the EA opening new trades from 4pm NY time to 6pm NY time.

Time_Even is the time of day that the EA will cut all winning trades and wait for losing trades to neutralize. **Time_Even** is set in the same manner as Time_Start and Time_End.

1. **Time_Even** should be less than Time_Start and greater than or equal to Time_End.

Keep in mind that time works in a circle. If Time_Start = 200 (02:00), Time_End = 400 (04:00), and **Time_Even** = 100 (01:00),**Time_Even** is both less than Time_Start and greater than Time_End, which would be correct.

2. If **Time_Even** is greater than Time_Start and less than Time_End, **Time_Even** will not start until Time_End has passed.

3. If **Time_Even** is equal to Time_Start, **Time_Even** will not be used.

Time_Cut is the time of day that the EA will close all trades regardless of their positions and end the trading session.

1. **Time_Cut** is set in the same manner as Time_Even.

2. **Time_Cut** should be greater than Time_Even, or Time_Even will not be used.

3. If **Time_Cut** is set to the same time as Time_Start, **Time_Cut** will not be used.

Funky_Take is used to determine the take profit within the profit zone for trades that the EA determines to be potentially winning trades.

The higher the number the longer the EA will wait to exit winning trades and the more profit you will receive per winning trade.

Funky_Take can be any number that you want, but should remain between about 10 and 40. In almost every case, 20 works the best.

Funky_Stop is used to determine the take profit within the loss zone for trades that the EA determines to be losing trades.

The higher the number the longer the EA will wait to exit losing trades at a relative high.

Funky_Stop can be any number that you want, but should remain between about 10 and 40. In almost every case, 20 works the best.

Trade_Sunday: If **Trade_Sunday** is set to **Yes**, the EA will trade the first day of the trading week. For some of you this will be Sunday, for others it will be Monday, depending upon where in the World live.

If **Trade_Sunday** is set to **No** the EA will not trade the first day of the trading week.

If **Trade_Sunday** is set to **Only** the EA will only trade the first day of the trading week.

Display Settings:

Next, click OK. You should see a smiley face in the upper right hand corner of the chart. If you see a frowny face you did something wrong.

You are finished setting up your first pair. Now lets go over the settings that the EA displays on the chart screen

Build: This displays the current version of the EA. If there is an upgrade available you will see the statement **(there is an upgrade available)** In which case you will need to log into your MFM5 account, download the new MFM5.ex4 file and replace the current one in your MT4 platform. You should check this on a daily basis.

Tradeable Pairs: This displays all of the pairs that I currently recommend trading. All of these pairs will have downloadable settings. You will need to setup the EA on each one of these pairs. These pairs may change, but not often. It is a good idea to check this on a regular basis to ensure that you are trading all profitable pairs.

*****You can use the EA with any pair that you would like, however, you will need to set **Download_Settings** to false and use your own settings.

Current Forex Time displays the actual Forex time and will be the same for all of you; 00:00 = 5pm New York time.

Last Error will display the error code and a brief description of the last broker/MT4 error if any. You should not receive any errors, however, if you do, it is a good idea to email me the error so I can look into it and fix it for everyone.

Current Spread shows your brokers current spread for that pair. This will always be displayed in points regardless of whether you are using a 4 or 5 point broker.

Lot Size displays the current trading lot size.

Double Down will display whether or not **Double_Down** is turned on. **Double_Down** is turned on by default.

Stop Loss will display the current stop loss. If **Stop_Loss** is set to **1** this will display the stop loss that the EA has chosen. The stop loss will always be displayed in points regardless of whether you are using a 4 or 5 point broker.

if **Download_Settings** is set to true, the statement **DOWNLOADED SETTINGS:** will be displayed. if **Download_Settings** is set to false, the statement **MANUAL SETTINGS:** will be displayed.

Beneath that all of the downloaded or manually set settings will be displayed.

Trading times are generally between 2pm and 9pm New York time. Each instance of the EA will display the session start and end times on the trading screen. Remember that you will need to setup the EA on each pair listed at the top of the trading screen.

Good luck, and happy trading! :)