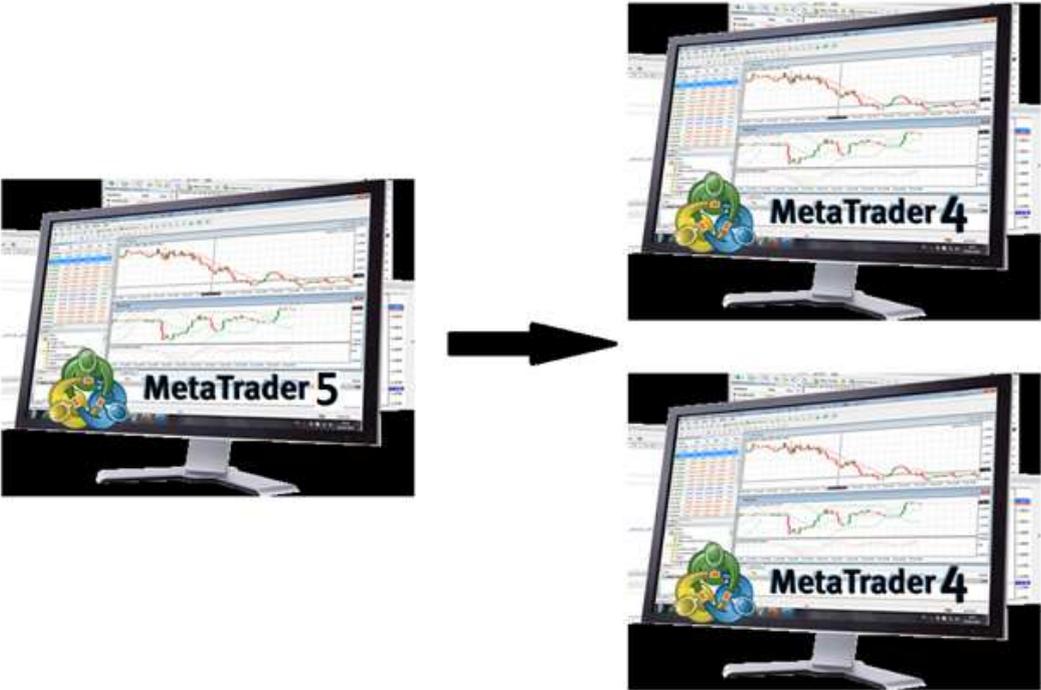


MT 5 to MT 4 Trade Copier EA

The MT 5 to MT 4 trade copier is the solution to increase the choice of Brokers for Meta Trader 5 users. On the other hand this trade copier can increase the trading performance for Meta Trader 4 users by barrowing the power of MT 5 platform. It works great for both ways.

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The diagram illustrates the trade copying process. On the left, a computer monitor displays the MetaTrader 5 (MT5) trading platform interface, including a price chart and a list of open orders. A large black arrow points from this monitor to the right. On the right, two computer monitors are shown, both displaying the MetaTrader 4 (MT4) trading platform interface. This visualizes the transfer of trade data from the MT5 terminal to the MT4 terminal.

Copy Trades from your MT 5 terminal to your MT 4 terminal in less than 1 seconds.
(Trade Copier also works for multiple MT 4 terminals too.)

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1. Introduction to the MT 5 to MT 4 Trade Copier

Meta Trader 5 users know Meta Trader 5 is the powerful FX trading tool in comparison to its previous version Meta Trader 4. However the choice of brokers might be limited for the time being. There is one way of overcoming this. The solution is to copy trades from your MT 5 to MT 4 terminal if they are installed in the same PC. In this way, you can use full functionality of Meta Trader 5 and you don't have to worry about looking for the broker for your Meta Trader 5 platform.

When you have both MT 4 and MT 5 platforms installed in the same PC of yours, "MT 5 to MT 4 Trade Copier EA" can copy all your positions in your Meta Trader 5 terminal to your Meta Trader 4 terminal without much delay. The copying time from MT 5 to MT 4 is quite fast and I personally don't feel a lot of delay. (Although I did not experience yet, the copy time might be influenced by tick arrival frequency in your chart. However most of time, the copying time is almost instantaneous and it is less than 1 second.)

The reason I developed this MT 5 to MT 4 trade copier is simply to help people who can't access to these wonderful trading platform Meta Trader 5 for live trading in some countries. The demo version of the MT 5 to MT 4 trader copier is available for free of charge for you anytime. You can get the MT 5 to MT 4 trader copier for your live trading account for small cost only. Please contact me on my email FinancialEngineerPro21@gmail.com.

2. Quick 5 minutes installation guide for experienced users of MetaTrader Platform

You need following two files:

1. MT5PositionTranslator.ex5 – EA to translate your trade positions from your MT5 platform. (Note that the file name maybe slightly different to yours.)
2. CopyPositionsFromMT5.ex4 – EA to copy your MT5 trades to your MT4 platform. (Note that the file name might be slightly different to yours.)
3. Copy "MT5PositionTranslator.ex5" file to your MetaTrader 5 expert advisor folder

4. In your Market Watch of Metatrader 5 platform, keep only the currency pairs you want to trade (keeping few other currency pairs in the market watch are fine but better to keep minimum number of the currency for faster trade copy).
5. Copy "CopyPositionsFromMT5.ex4" file to your MetaTrader 4 expert advisor folder
6. In your Market Watch of Metatrader 4 platform, keep the same currency pairs as possible with your MetaTrader 5 platform but this is not compulsory (but at least remove some non Forex pairs from your Market Watch such as #CLK400, etc.)
7. Get terminal path address of your MT4 "file" folder in your "MQL4" folder and enter that address when you attach "MT5PositionTranslator.ex5" to any chart in your MetaTrader 5 platform (better to attach to an active currency pairs for fast update).
8. Attach "CopyPositionsFromMT5.ex4" file to any chart (better to attach an active currency pairs for fast update) in your MetaTrader 4 platform.
9. That is it. Try to open any position in your MT5 platform manually. If the EAs are installed correctly then MT4 terminal should copy the positions immediately.
10. To use this MT5 to MT4 Trade Copier with your expert advisors, you need to open a chart to attach your expert advisors. Therefore, you need two charts in your Metatrader 5 platform if you want your profitable MT 5 EA to run with this Trade Copier.
11. Note that you can copy your positions from MetaTrader 5 platform up to five different MetaTrader 4 platforms in the same PC of yours. Just copy their terminal path to "MT5PositionTranslator.ex5" EA when you attach them on your chart.
12. Choose if you want to scale MT 5 lot automatically or manually. If you set "AutomaticScaleOfPosition"=true, then the Trade Copier will scale MT 5 lot size automatically using the balance in your MT 4 and MT 5 terminals. Use "Ratio_Of_MT4_Lot_To_MT5_Lot" variable to further increase your MT 4 lot size. When "AutomaticScaleOfPosition"=true, then your final Lot Multiplier is calculated using following formula:

Lot Multiplier = (MT 4 balance /MT 5 balance) * Ratio_Of_MT4_Lot_To_MT5_Lot.

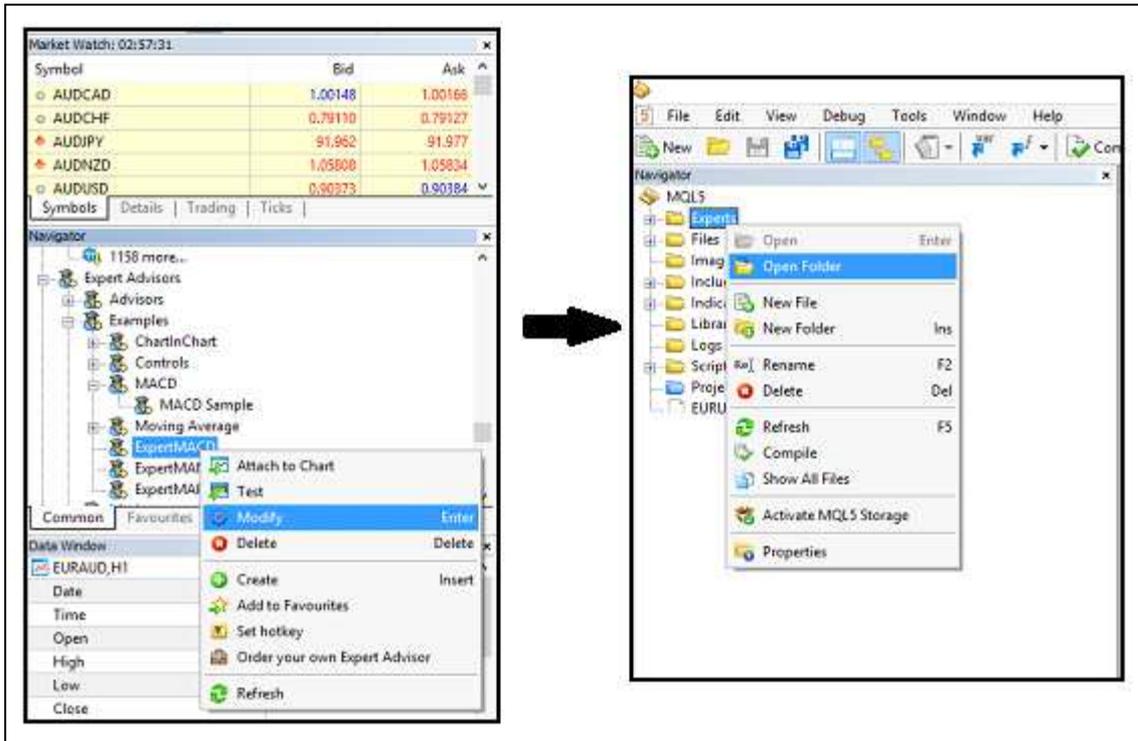
13. "AutomaticScaleOfPosition"=false, then "ManualLotMultiplier" variables in your "CopyPositionsFromMT5.ex4" EA will be used to scale your MT 5 lot size for your MT 4 terminal. "ManualLotMultiplier" = 1.0 means that the exactly same lot size from MT5 platform will be copied to your MT 4 platform. If you choose ManualLotMultiplier=2.0, then twice greater lot size will be copied to your MT 4 platform.

3. Step by Step guide to install for Meta Trader beginners

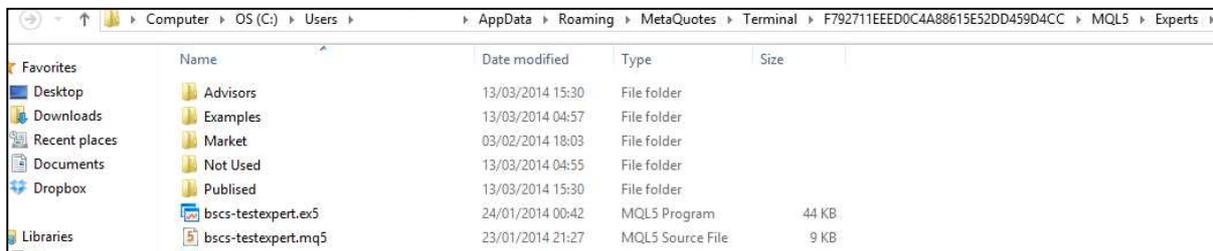
You need following two files:

1. MT5PositionTranslator.ex5 – EA to translate your trade positions from your MT5 platform. (Note that the file name maybe slightly different to yours.)
2. CopyPositionsFromMT5.ex4 – EA to copy your MT5 trades to your MT4 platform. (Note that the file name might be slightly different to yours.)

Firstly place "MT5PositionTranslator.ex5" file to your Expert advisor folder for your Meta Trader 5. I will show you the easiest way to find your expert advisor folder. Click any expert advisor on your "Navigator" and click "Modify" as shown in the screenshots below. Then you will open the Meta Editor for MQL 5. On the left part of the Meta Editor, click "Expert" folder and click "Open Folder". The Meta Editor for MQL 5 will open your advisor folder. Simply copy and paste the "MT5PositionTranslator.ex5" to your expert advisor folder anywhere. Once you have copied the EA, you need to restart your MT 5 platform to see "MT5PositionTranslator EA" on your "Navigator". You need to repeat exactly same steps to copy "CopyPositionsFromMT5.ex4" files to your advisor folder in your Meta Trader 4 folder.



Screenshot: How to open your expert advisor folder

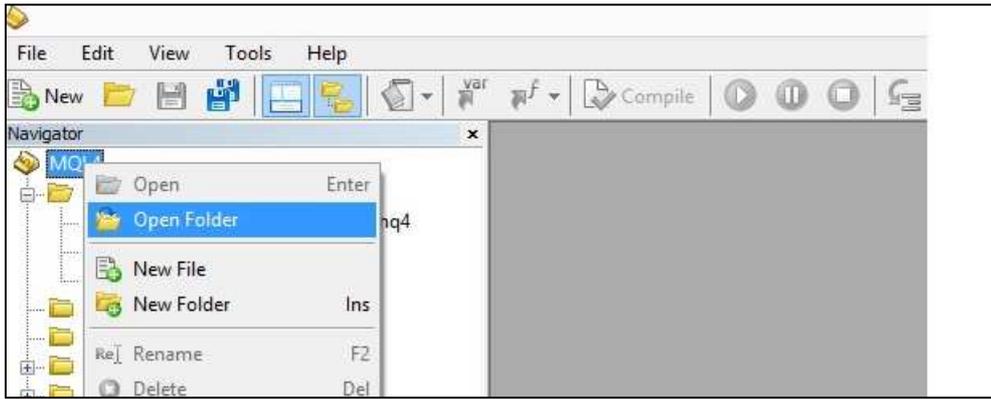


Screenshot: Your expert advisor folder in your Meta Trader 5 folder

To copy trades from your MT 5 to MT 4, you just need three steps to follow:

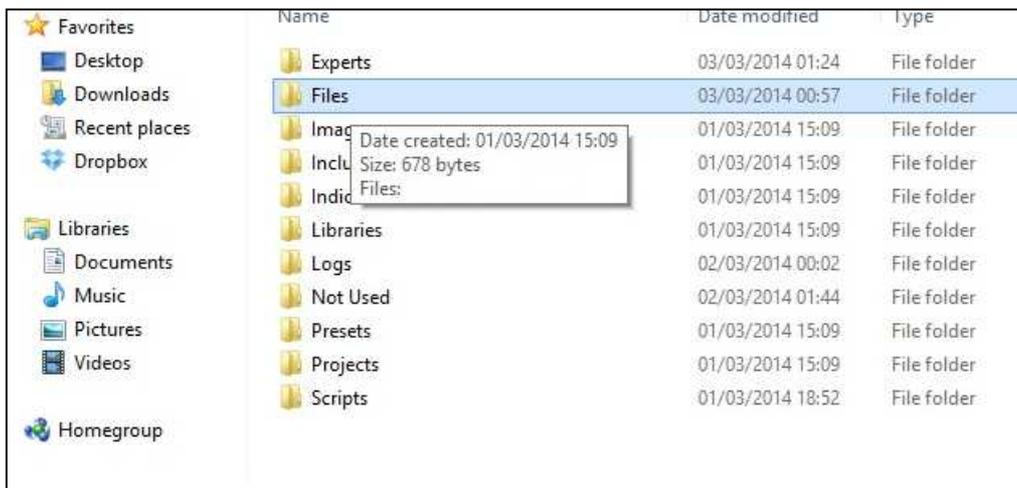
1. Get the terminal path address for your MT 4 file folder

Firstly you need to get terminal path for your MT 4 file folder. It is easy. Open your MQL 4 editor and select MQL 4 folder and open the folder as shown below.



Screenshot: Open your Meta Editor for your Meta Trader 4

Then open the “file” folder as shown below:

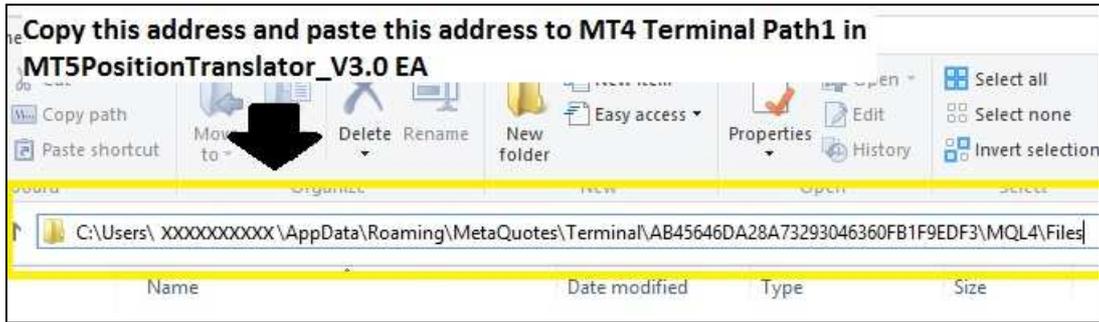


Screenshot: In your Expert Advisor folder, select “Files” folder in your MT 4 folder

Then left click on the address bar and you will get the address look like this:

C:\Users\XXX\AppData\Roaming\MetaQuotes\Terminal\AB45646DA28A73293046360FB1F9EDF3\MQL4\Files

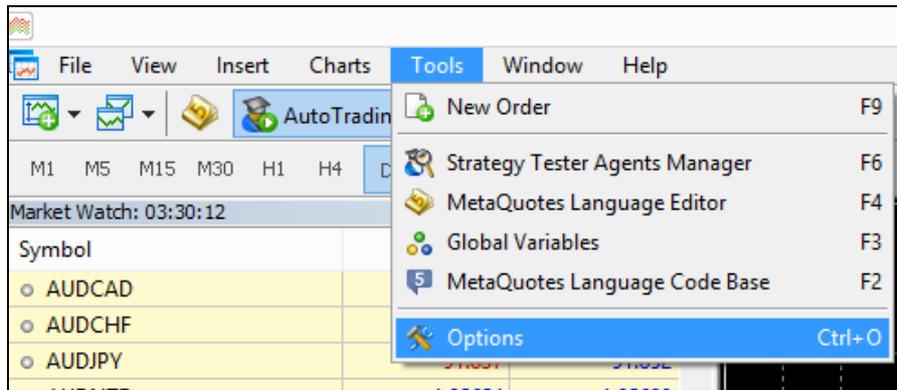
Copy your terminal path address in your notepad or somewhere similar for late use.



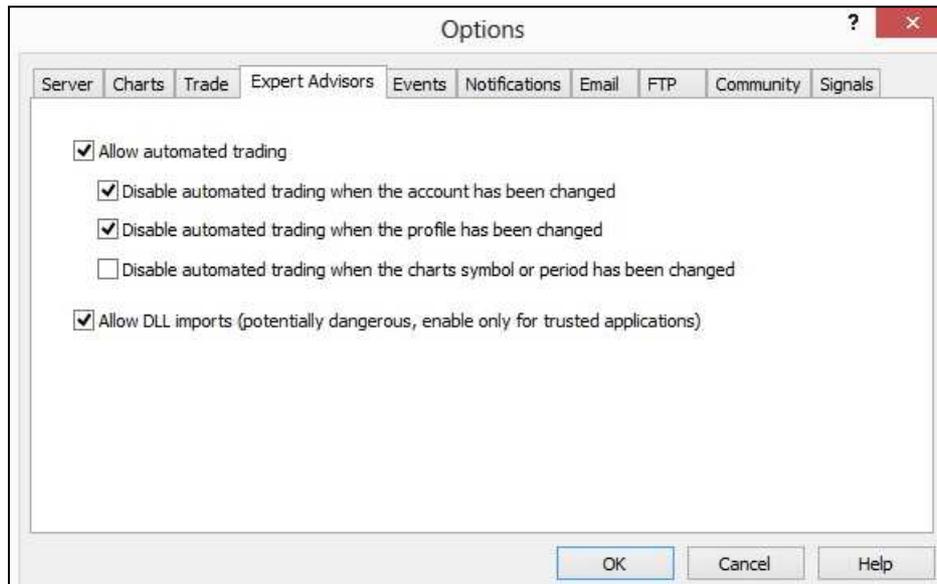
Screenshot: You need get the address for your files folder (just left click on the address bar)

2. Things to do for your Meta Trader 5 platform

Secondly make sure that you allow automated trading for your MT5 platform and also allow DLL imports for your MT 5. To do this, click on “Options” menu. Check on “Allow automated trading” and “Allow DLL imports”.

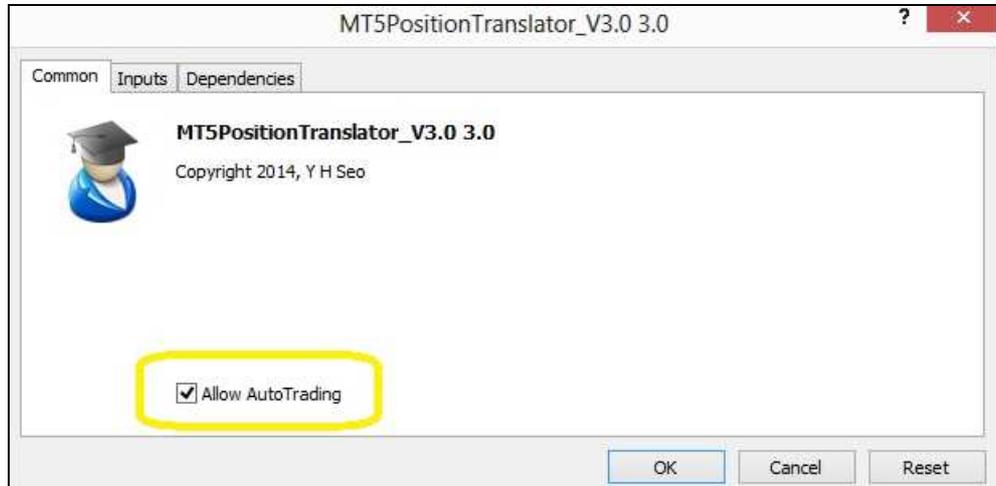


Screenshot: How to open “Options” menu in MT5 platform



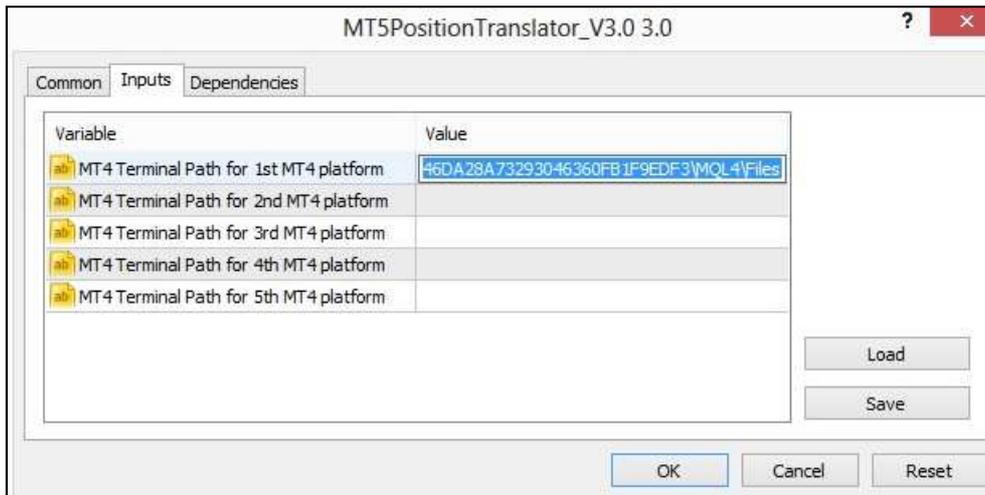
Screenshot: Check for “Allow automated trading” and “Allow DLL imports”

Then attach the EA “MT5PositionTranslator” to the chart of most popular pairs such as EURUSD. Make sure that you allow auto trading for this EA as shown below.



Screenshot: Check “Allow AutoTrading”

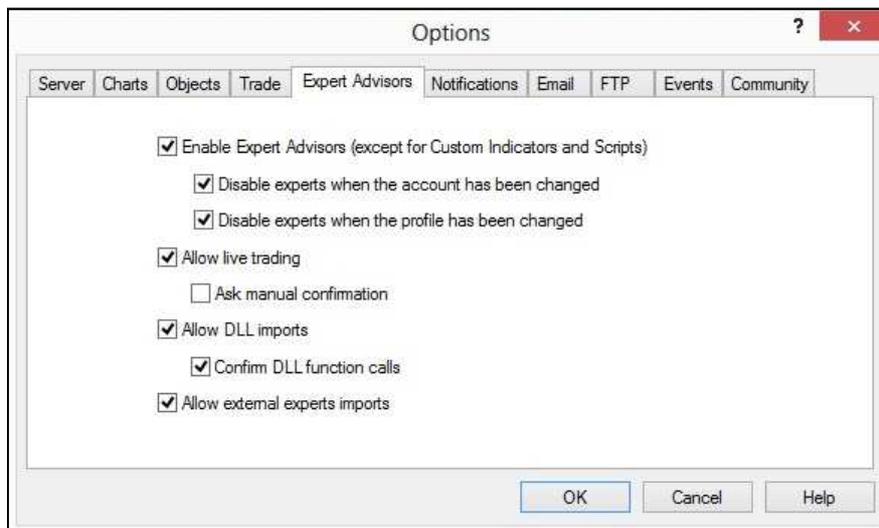
Copy and paste the MT 4 terminal path you copied from our previous step as shown below. Then click OK. Make sure the EA icon is not red.



Screenshot: Copy and paste the terminal path address to your inputs

3. Things to do for your Meta Trader 4 platform

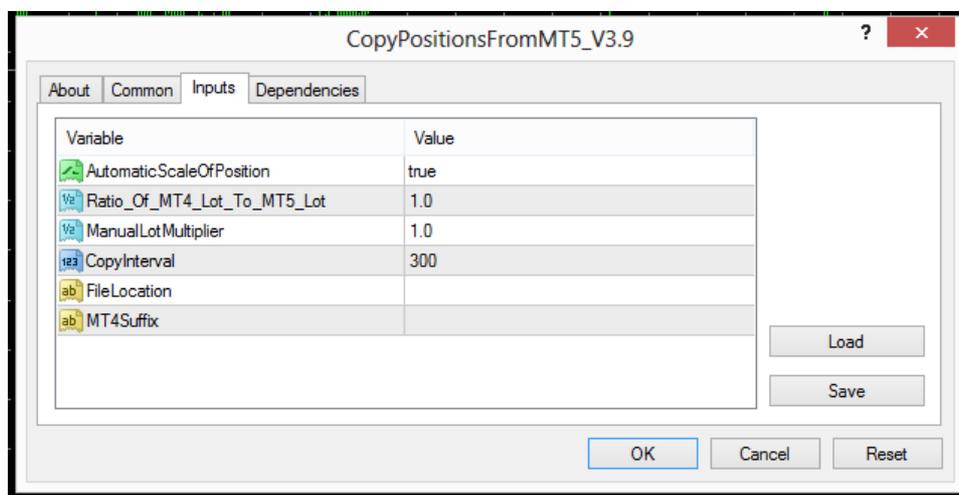
Thirdly make sure you allow auto trading in your MT 4 platform as shown below:



Screenshot: Check boxes to allow “auto live trading” and “DLL imports”

Then attach “CopyPositionsFromMT5” EA to your MT 4 platform. Before attach “CopyPositionsFromMT5” to your chart, you can choose to scale your MT 5 lot size either automatically or manually. If you set “AutomaticScaleOfPosition” = true, then the Trade Copier EA will scale your MT 5 lot size automatically according to your balance comparison between your MT 4 and MT 5 terminal. If you set “AutomaticScaleOfPosition” = false, then the Trade Copier EA will scale

your MT 5 lot size using “ManualLotMultiplier” variable. ManualLotMultiplier = 1.0 means that the exactly same lot size from MT5 platform will be copied to your MT 4 platform. If you choose ManualLotMultiplier=2.0, then twice greater lot size will be copied to your MT 4 platform. FileLocation variable is used if the default installation guide still gives you error message like “5004” file opening errors. This error is happened because MT 5 EA can’t access to the shared folder used by MT 4 terminal. To resolve this problem, read our next section. If the default installation works fine then you just leave the FileLocation variable empty. “MT4Suffix” input is used if your MT 4 terminal uses Forex pairs with suffix such as “EURUSD.ecn” or “EURUSD.m”. Just type the suffix in this variable to make the trade copier work. (Note that you don’t have to worry about the suffix for MT 5 terminal at all.)



Screenshot: Inputs for “CopyPositionsFromMT5” EA in your Meta Trader 4 platform

4. Few tips to make the MT5 to MT4 Trade Copier to copy trades faster

To make the MT 5 to MT 4 trade copier to copy the trades faster, you should follow the tips below:

1. Keep the currency pairs you want to trade on the Market Watch only if possible. Smaller number of currency pair n the Market Watch in MT5 and MT4, the trade copier will be copying the trades faster.
2. Always remove Non Forex symbols in your market watch as this will give the problem for your Trade Copier.

3. Decide how you want to scale your MT 5 lot size for your MT 4 lot size (i.e. automatically or manually?)
4. Attach the MT5 expert advisor first and then attach the MT4 expert advisor.
5. If you get errors or problem with this trade copier, it is often best to remove the EA and reattach the EA for fresh start up for both your MT 4 and MT 5 terminals.
6. The trade copier was tested for the live account of mine as well as other customers. Therefore it should work without any problem once they start to work in your MT5 terminal.
7. Check your Expert tabs and Journal tabs if any errors happen and report to author.

5. Trouble Shooting

These are potential source of errors. I identified the sources of errors here for the convenience of users:

[Trouble 1] Your PC Operating systems (i.e. Window 8 or 7) do not allow the MT 5 terminal to access to the shared folder of MT 4 terminal. This is the common problem for other existing software built for Window 8 and 7 currently.

[Trouble 2] Your MT 4 terminal may have non Forex pairs such as "XAUEUR" or "#NKDM4". This can be checked in your market watch. As you see from the picture below, XAUEUR or #NKDM4 is not a standard Forex pairs. This will cause the problem for the trade copier.

Symbol	Bid	Ask
XAUEUR	941.34	942.54
XAGUSD	19.80	19.88
XAGEUR	14.39	14.47
XPTUSD	1407.11	1412.11
XPDUSD	772.60	776.60
#NKM4		
#ESM4		
#YMM4	16239	16242
#NQM4	3563.25	3564.25
#FFIM4	6544.5	6546.0
#EXM4	3099	3102
#FSMIM4	8239	8245
#FDXM4	9592.0	9595.5
#APM4	5358	5378

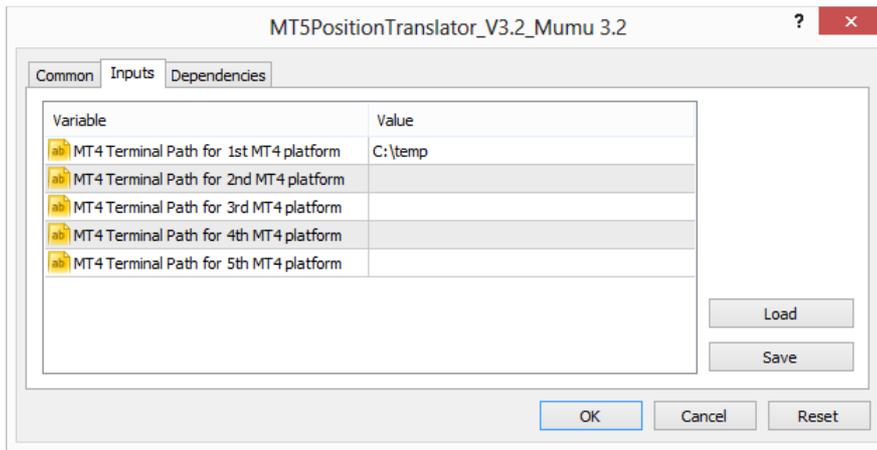
[Trouble 3] The Forex pairs with suffix such as “EURUSD.ecn” will cause trouble for trade copier too. You can trade with Forex pairs with suffix such as “EURUSD.ecn” or “EURUSD.m”, etc in your MT 4 terminal. Note that the Forex pairs with suffix in MT 5 terminal do not cause any problem. Therefore you don’t have to do anything for the Forex pairs with suffix in your MT 5 terminal.

[Trouble 4] Your MT 4 log file might become too large for writing “5004” file opening errors” too frequently. This is very rare events and this happens because the trade copier does not function correctly before. However once the Trade copier work correctly then your MT4 log file will not grow. Also delete the large log file from your MT 4 terminal and they are located in your MQL 4 folder in your terminal path. New log file will be created by MT 4 terminal.

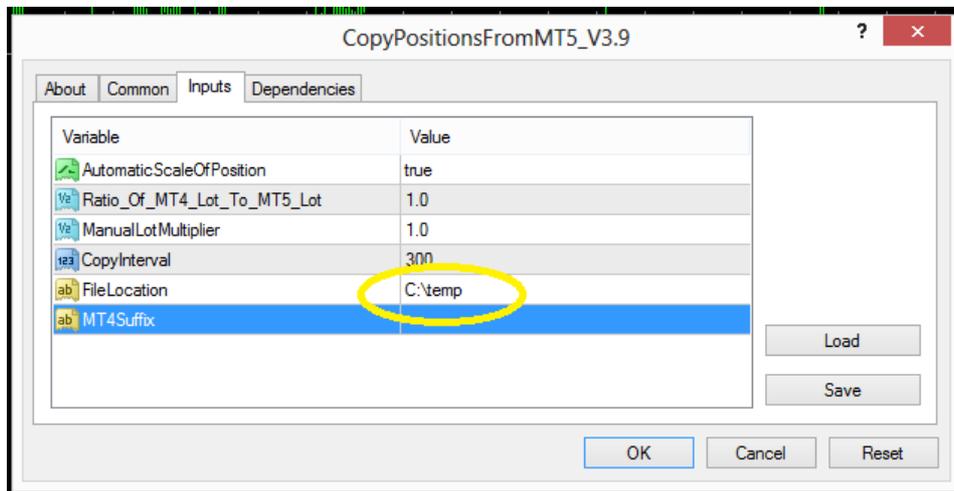
Solution to Trouble 1

Trouble 1 is happening because MT 5 EA can’t access to shared folder (known as UAC) which is used by your MT4 terminal. This strict restriction is often troublesome for many commercial software. In this case we have to avoid the direct access of MT 5 EA to the shared folder of MT 4. To avoid the direct access, follow these steps:

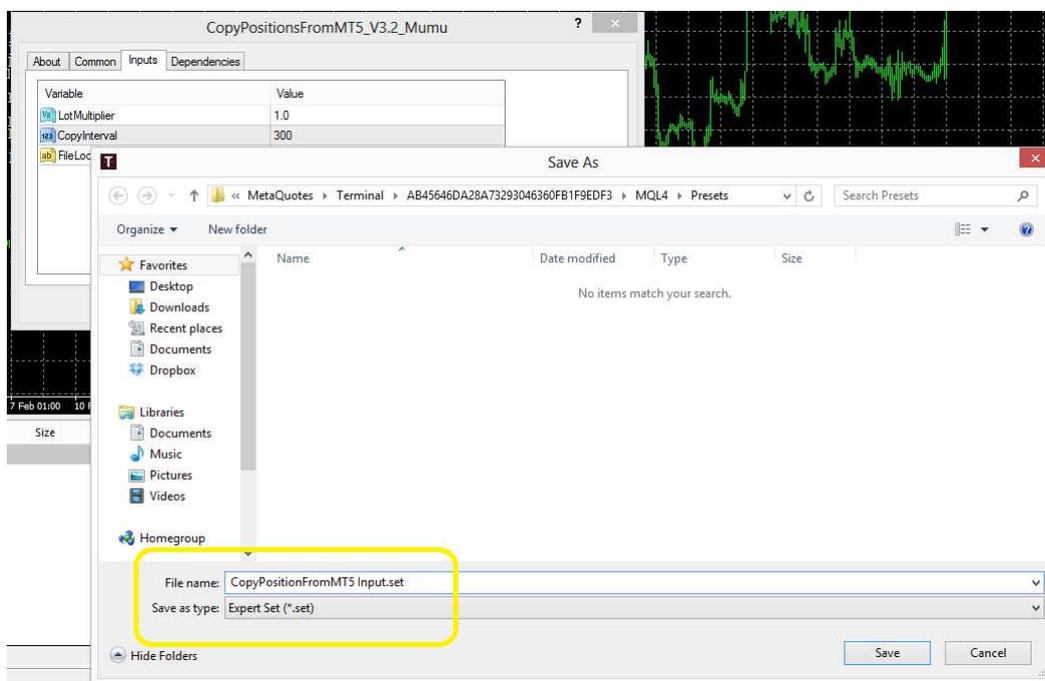
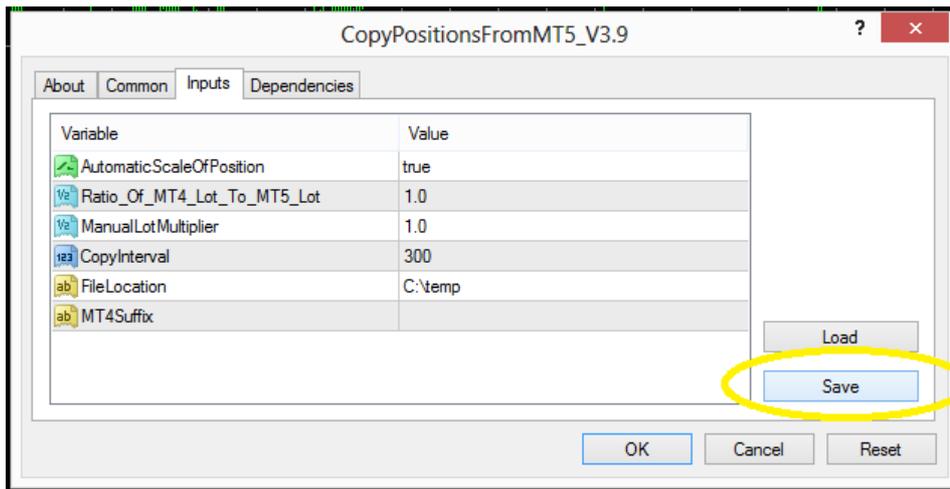
1. Create any folder in your hard drive such as “C:\temp” or whatever (but do not use the root drive “C:\” as you can’t write anything on the root drive for some Operating system.)
2. Copy and paste this address ““C:\temp” to your MT 5 EA



- Copy and paste the same address "C:\temp" to the FileLocation in your MT 4 EA.



- As the MT 4 terminal get lost values for input variables sometimes, it is better to save those values somewhere safer. So you can use them later. So click "Save" button and give some name to the .set file and save them.



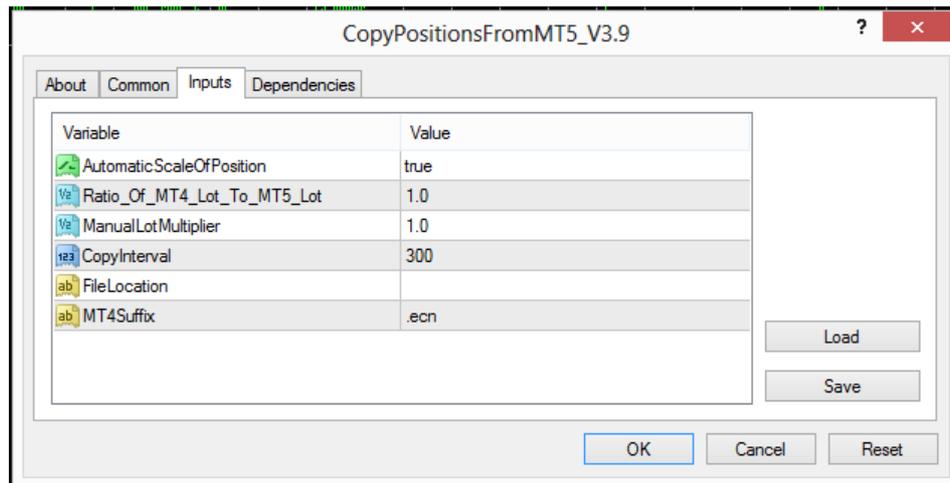
Plus: This should 3 step should resolve the problem. In addition quite often you might resolve any errors when you restart your MT4 and MT5 terminals or reattach the MT5 and MT4 EAs on new charts. If these steps do not resolve the problem, then please contact me for further communication.

Solution to Trouble 2

Solution for Trouble 2 is simple. Just hide all this non Forex pairs in your Market watch by “Hide All” option. Then keep the Forex pairs you want to trade in real live account only.

Solution to Trouble 3

To trade with Forex fair with suffix, check what suffix your MT4 terminal. For example, for EURUSD.ecn, the suffix is “.ecn”. Write this suffix to the MT4 Suffix input variable in the CopyPositionsFromMt5 EA as shown in the picture below. However before you type this suffix in your MT 4 Trade Copier, please try to use this Trade Copier without suffix first. Sometimes, the Trade Copier works without suffix.



6. New features added in the MT 5 to MT 4 trade copier version 3.9

1. Automatic scaling of MT 5 lot size is added. Automatic scaling of MT 5 lot size is done by comparing the balance in your MT 4 and MT 5 terminals. But you can still use “ManualLotMultiplier” variable to scale the MT 5 lot as you wish. Just set “AutomaticScaleOfPosition” = false, to use this manual scaling of MT 5 lot.
2. In version 3.9, the Trade Copier will not disturb any positions created by users or other Expert advisors in your MT 4 terminal.
3. Not new in version 3.9, but this Trade Copier can copy MT 5 positions up to five different MT 4 terminals in your PC. This option is great for your live trading when you have multiple live accounts with different brokers.