

“AutoOptimizer” FOREX MetaTrader 4 Software



Many experienced traders know that expert advisors require re-optimization of the parameters from time to time. Even if the expert advisor shows a profit on the back test during a long period of history, it's work can be improved by optimizing the parameters of a small range of deviations from the previously selected parameters over short time intervals. For example, many traders use moving averages (MA), always pick the parameters of fast and slow MA and StopLoss and TakeProfit, which enables more accurate to enter the market and find the exit point. Re – optimization problem is also very relevant for forex scalping systems. We have developed AutoOptimizer Tool to automate the process of optimization and re -optimization.

You just need to select expert adviser(s), which you want to optimize, set start/step/stop values. Also you must specify month, day and time when the program will start the process of optimization (for example, every Saturday at 8 am), choose the best parameters of optimization and save them to .set file. Then the expert adviser(s) will trade with new parameters. This process is fully automated and requires no intervention by the trader. In fact, you get expert adviser, adapting to market conditions. This tool will help you to use your expert advisors more effectively.

Installation and Using

1. Create new folder AutoOptimization on disc C (or create folder with your own name in your own place)
2. Copy MTester.exe and StartMTester.exe to folder AutoOptimization
3. Add strings to Expert Advisor code:

```
extern int  OptimAuto=1; // 0- switch off 1- switch on auto optimization
extern string OptimEveryTime="10.45"; // auto optimization start time (local PC time)
extern string OptimEveryWeek="1,2,3,4,5,6,7"; // day (1 –Monday etc.)
extern string OptimEveryMonth="10,20,30"; // day of month
extern int  OptimPeriod=30; // period for optimization, day
```

You can find example: MACD Sample.mq4 file

```
Stomper_eurgbp_m15_GM | Stomper_eurchf_m15_GM | MACD Sample |
//+-----+
//|                                     MACD Sample.mq4 |
//|                                     Copyright © 2005, MetaQuotes Software Corp. |
//|                                     http://www.metaquotes.net/ |
//+-----+

extern double TakeProfit = 50;
extern double Lots = 0.1;
extern double TrailingStop = 30;
extern double MACDOpenLevel=3;
extern double MACDCloseLevel=2;
extern double MATrendPeriod=26;
extern int OptimAuto=1;
extern string OptimEveryTime="10.45";
extern string OptimEveryWeek="1,6,7";
extern string OptimEveryMonth="10,20,30";
extern int OptimPeriod=30;

//+-----+
//|                                     |
//+-----+

int start()
```

Quick help.

How to add strings to Expert Advisor code?

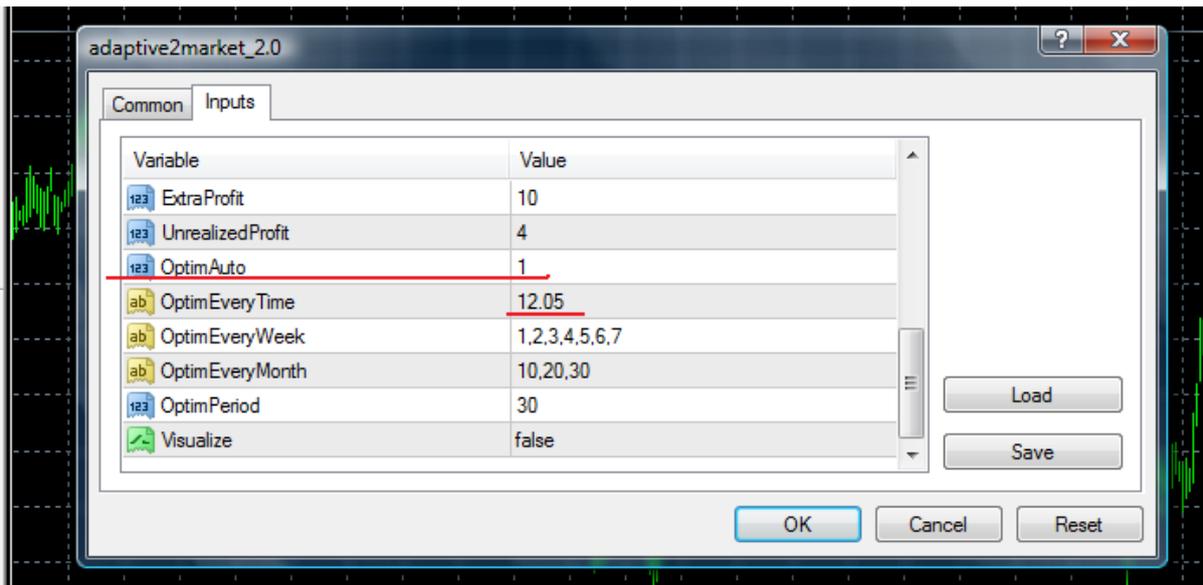
1. Press F4 and Meta Editor window should open.
2. Press Ctrl+O and select expert Advisor's file. Source code of selected expert advisor should be loaded.
3. Insert strings:

```
extern int OptimAuto=1; //0- switch off 1- switch on auto optimization
extern string OptimEveryTime="10.45"; // auto optimization start time (local time)
extern string OptimEveryWeek="1,6,7"; // day (1 –Monday etc.)
extern string OptimEveryMonth="10,20,30"; // day of month
extern int OptimPeriod=30; // period for optimization, day
```

before “int start()” operator

4. Press F5

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4. Add Expert advisor to chart and set OptimAuto=1 and set optimization time according your needs. You must specify the time in 24 hours format. For example 1.30 pm you should set 13:30



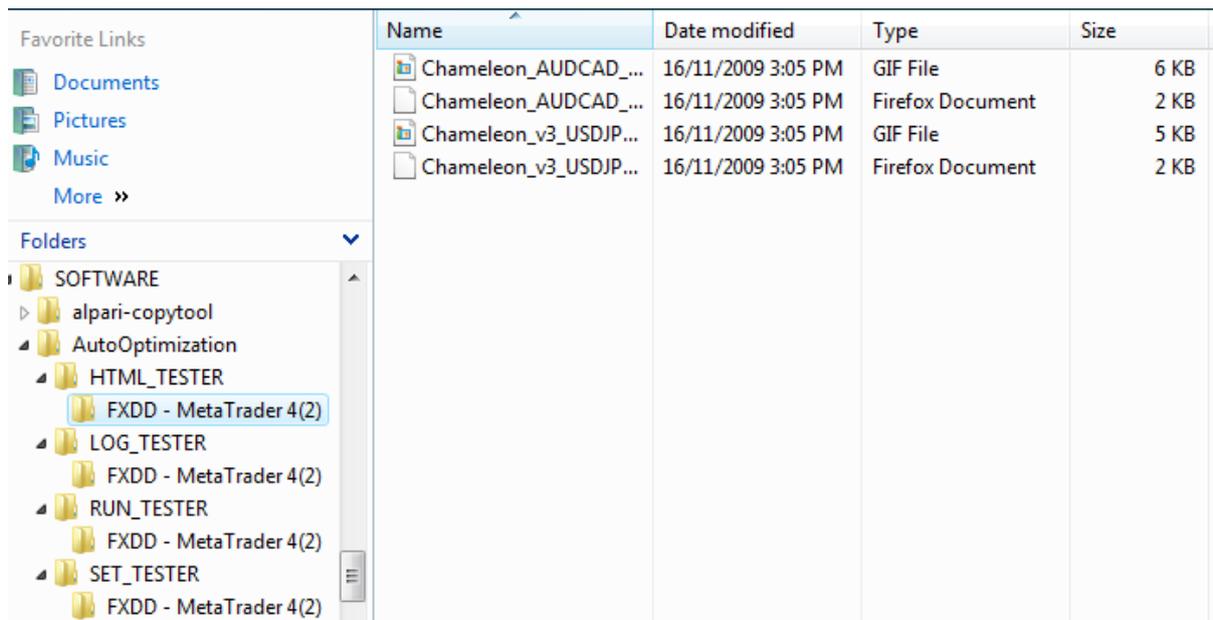
5. Run MTTester.exe file
6. AutoOptimazer should create folders automatically:

Folders:

- HTML_TESTER optimization reports (with data and time)
- LOG_TESTER log files for program
- RUN_TESTER log files for experts
- SET_TESTER *.set files for optimization

Files in these directories are placed in subdirectories under the names MetaTrader 4 terminals.

For example:



7. Open strategy tester and create and save .set file with optimization parameters to folder "SET_TESTER" sub folder "your Metatrader name"

File name should be: **expert advisor name+'_'+currency+'_'+ timeframe+'.set'**

For example for MACD Sample.mq4 currency EURUSD time frame H1 file name should be: MACD Sample_eurusd_h1.set

If the tester (later) will not find it appropriate expert SET file it will display a warning and it will display a correct name for set file.

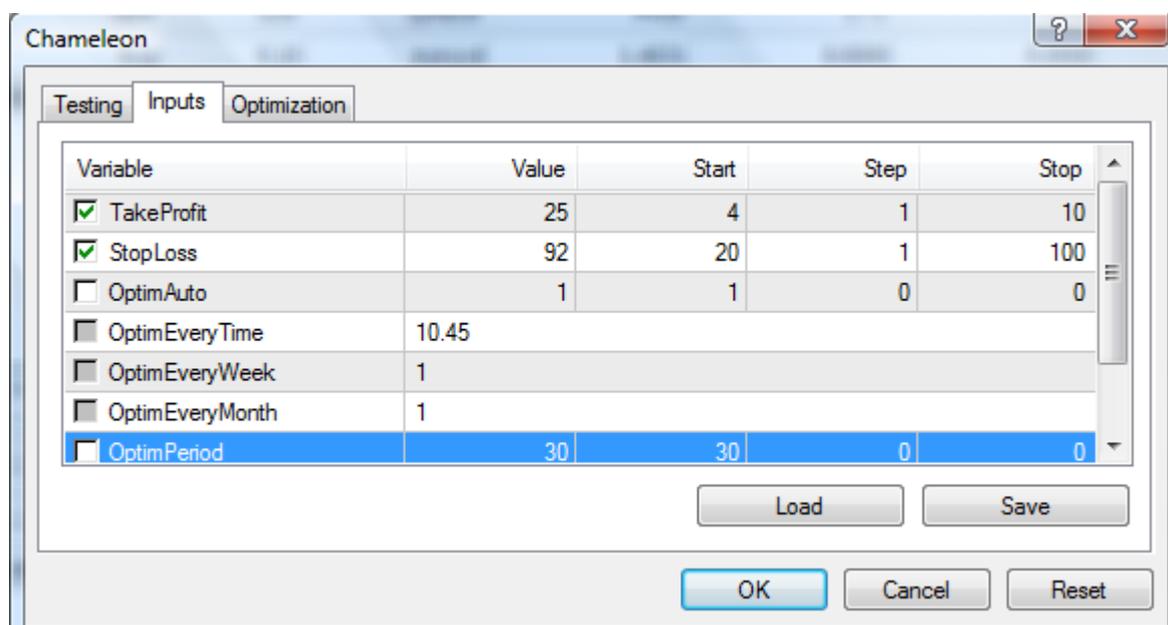
Example:

If you would like to optimize StopLoss from 4 pips to 10 pips with step 1; TakeProfit from 20 pips to 100 pips with step 1; every 1 day of month on 10.45am. Optimization period 30 days.

You should set:

StopLoss start 4 step 1 stop 10
TakeProfit start 20 step 1 stop 100
OptimEveryTime 10.45
OptimEveryWeek 1
OptimEveryMonth 1
OptimPeriod 30

And save set file to folder "SET_TESTER" sub folder "your Metatrader name"



8. Add StartMTester.exe to Startup

Quick help.

Run a program automatically when Windows starts

If you always open the same programs after starting your computer, such as a web

browser or e-mail program, you might find it convenient to have them start automatically when you start Windows. Programs or shortcuts placed in the Startup folder will run whenever Windows starts.

1. Click the Start button , click All Programs, right-click the Startup folder, and then click Open.
2. Open the [location](#) that contains the item to which you want to create a shortcut.
3. Right-click the item, and then click Create Shortcut. The new shortcut appears in the same location as the original item.
4. Drag the shortcut into the Startup folder.

The next time you start Windows, the program will run automatically.

This tool (AutoOptimizer) can work with several currencies and several metatrader 4 terminals simultaneously.

Best regards,

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