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# **Metatrader 4 User Guide**

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## Download and Install MetaTrader

You may have only recently decided to trade Forex. Or, you might be a newcomer to MetaTrader from another platform? Whatever the case, I **congratulate** you for your choice!

MetaTrader is the platform of choice for automating your trades.

These are some of features of MetaTrader:

- Operating with different financial markets instruments (FOREX, Futures, CFD);
- Unlimited charts quantity;
- Supports of various timeframes;
- Large number of Indicators, Experts and Scripts shipped with;
- Friendly user interface with multilingual support;
- Secure operating environment (128 bit encoding is used);
- Internal e-mail;
- Real-time data transferring via DDE;
- Receiving on-line news from financial markets;
- Build-in programming language enables you to write/edit your own custom indicators, Expert Advisors and scripts.

Today we are going to take the first step towards profit with this great platform. We are going to download the MetaTrader platform!

There are two versions of MetaTrader: MetaTrader 3 and the most current version, MetaTrader 4. Some brokers still do not support MetaTrader 4, so and in those cases, you must download MetaTrader 3.

However, most of brokers do support MetaTrader 4. And it's the version we are going to download today!

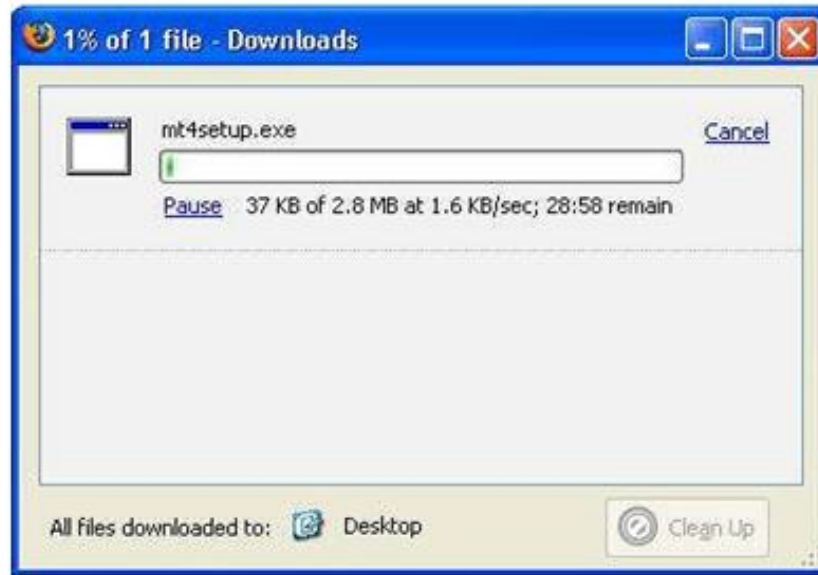
There are a lot of sites where you can download Metatrader 4. Though, most of brokers who support MetaTrader 4 present their version to download. You will have to download the version provided by the broker you are going to work with as their version contains server settings for that particular broker.

These are the steps you will have to take to setup MetaTrader 4:

## 1- Downloading MetaTrader 4:

If you haven't downloaded the MetaTrader 4 program yet, you can get a free version by going to: <http://www.metaquotes.net/downloads>, and choosing the latest version of *MetaTrader 4 Client Terminal* (Current version is 4.00 Build 190).

Get a cup of tea if you have a slow internet connection, or a cup of water if you have DSL, while the download takes place (Figure 1).



*Figure 1 - Downloading MetaTrader 4*

## **2- Installing MetaTrader 4:**

When the download completes, double-click the setup program (mt4setup.exe) and you will get a screen like this:



*Figure 2 - Choose the language*

Choose the language you prefer for the MetaTrader user interface. Then click the Next button to go to the second step.



*Figure 3 - Welcome and copyright*

The setup program welcomes you and reminds you about the copyright of MetaTrader. Click Next to continue.



*Figure 4 - Agreement*

The setup program of MetaTrader shows you the End User License Agreement and ask you to select the option "Yes, I agree with all the terms of this license agreement" before continuing the installation of the program. Please check the option box and click Next button.



*Figure 5- Installation folder*

Here you can change the destination folder where the MetaTrader will be installed or leave the default folder "C:\Program Files\MetaTrader 4".

You can have more than one copy of MetaTrader installed in your machine, but each of them must be installed in a different folder.

Choose the folder you want and click Next to continue.



*Figure 6 - Program group*

Here, you can change the name and place for which the program will appear in your Windows Programs Menu.

Keep the default name (or change it if you want) and click Next button.





*Figure 7 You are now ready*

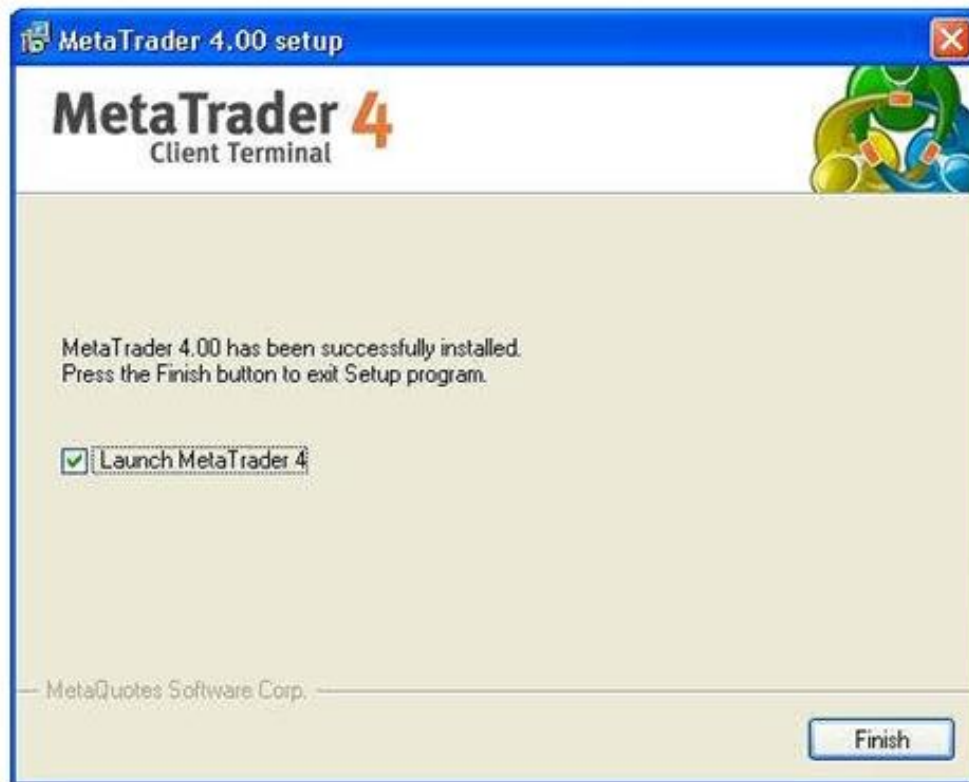
Setup will tell you that "You are now ready to install MetaTrader 4."

If you want to change the destination folder you have specified, click the Back button or, if you are ready to install MetaTrader, click Next button.



*Figure 8 - Copying Files*

The setup program will begin extracting the packaged files and copying them into the MetaTrader installation folder. You can click Cancel button anytime during the installation to cancel the process. Be patient as the setup program copies the files. You will automatically go to the next step once copying is complete.



*Figure 8 - Finish*

Congratulations! You have installed the MetaTrader 4 successfully and are ready to launch it.

Click Finish button to start MetaTrading.

### **3- Creating a demo account:**

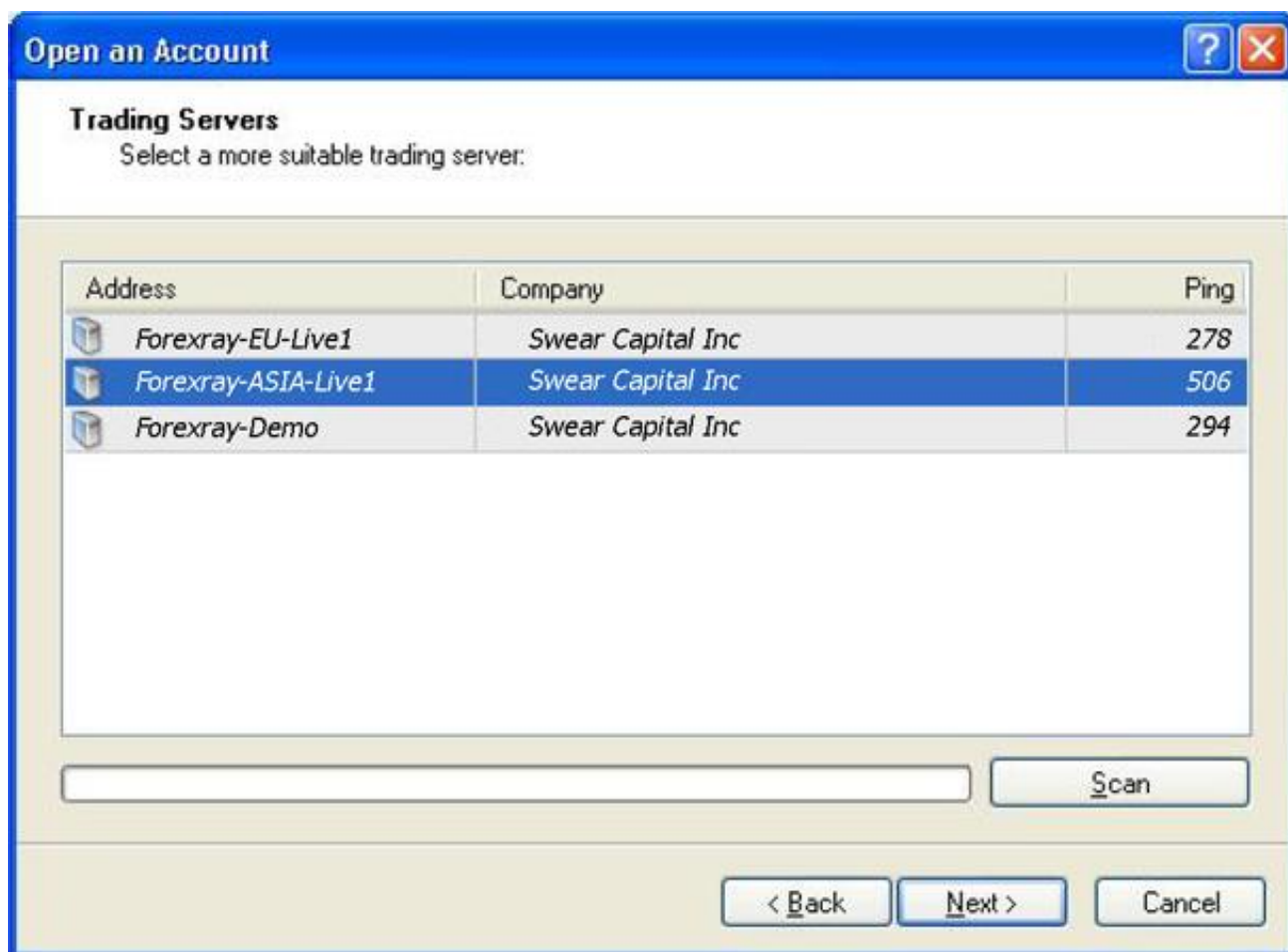
The first time you launch MetaTrader 4, you will get a form like this:

The screenshot shows a web application window titled "Open an Account". Inside, there is a section titled "Personal details" with a sub-instruction: "To open an account, please fill out all the following fields:". The form contains several input fields and dropdown menus. The "Name" field is filled with "codersguru". The "Country" dropdown is set to "Spain", "State" is "Madrid", "City" is "Madrid", and "Zip code" is "11111". The "Address" field is also filled with "Madrid". The "Phone" field contains "00000000" and the "Email" field contains "codersguru@hotmail.com". The "Account Type" dropdown is set to "forex-usd", "Currency" is "USD", "Leverage" dropdown is set to "1:100", and "Deposit" dropdown is set to "5000". At the bottom of the form, there is a checked checkbox with the text "I agree to subscribe to your newsletters". At the bottom right of the window, there are three buttons: "< Back", "Next >", and "Cancel".

Name:	codersguru		
Country:	Spain	State:	Madrid
City:	Madrid	Zip code:	11111
Address:	Madrid		
Phone:	00000000	Email:	codersguru@hotmail.com
Account Type:	forex-usd	Currency:	USD
Leverage:	1:100	Deposit:	5000
<input checked="" type="checkbox"/> I agree to subscribe to your newsletters			

*Figure 9 - Creating a demo account*

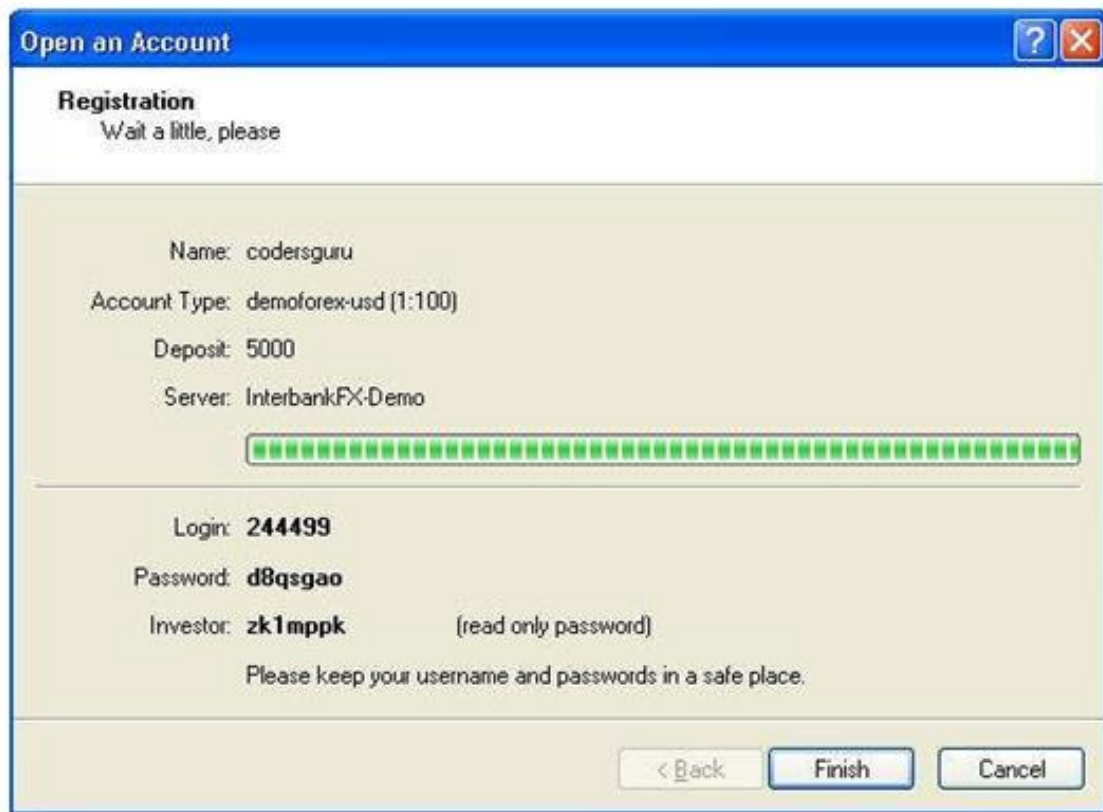
Fill-in the form with your data (like the above one) and check "I agree to subscribe to your newsletters" option, then click Next button.



*Figure 10 - Choose the server*

Choose a Trading server that you want to join from the above list.

Click the Scan button to check the speed of each server before choosing one of them. You can either choose the fastest server or one that suits your preference (if you've heard of it), and click Next button.



*Figure 11- Opening an account*

You will be asked to wait a few seconds before receiving your account details. Keep it in a safe place because you'll need your login and password to login to your demo account. Click the Finish button to log into your account and start trading.

#### **4- Logging into your demo account:**

If you are a lucky person like me, you will log to your account without errors, and get something like this:

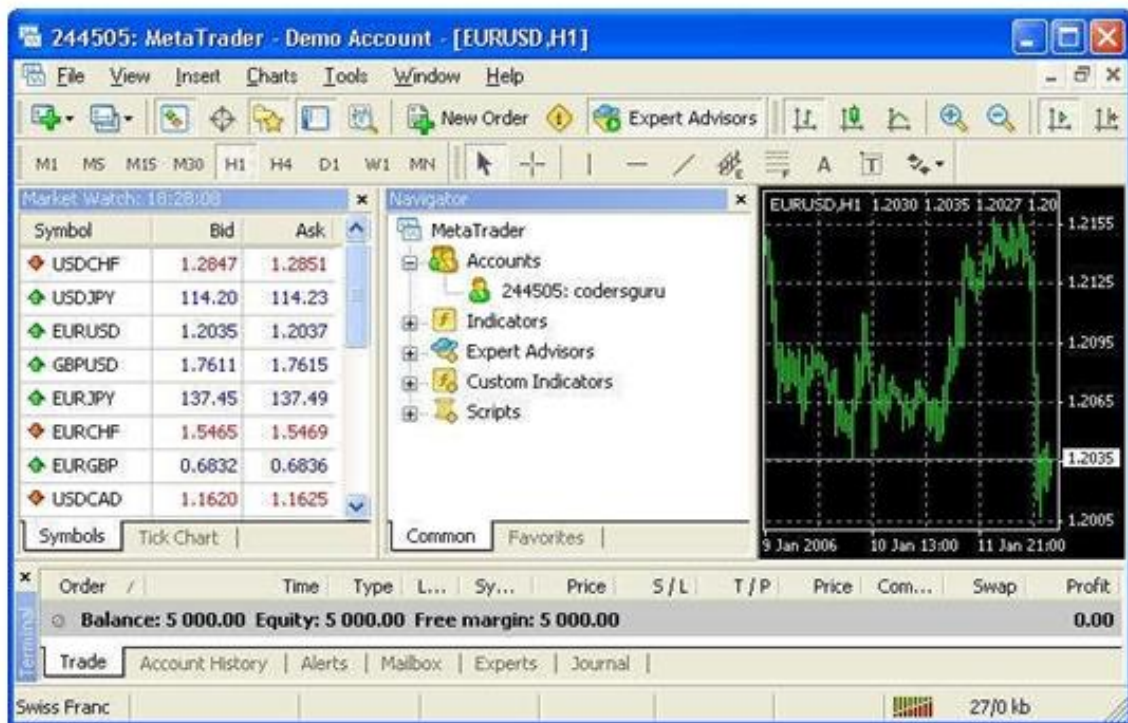


Figure 12- Logging In

Congratulations! You have installed MetaTrader 4, and have a demo account. Enjoy trading!

## First session Installing MQL4 programs!

One of the most important features of MetaTrader is the ability to write your own programs and attach them to the MetaTrader terminal.

These programs include Indicators, Expert Advisors, Scripts and Libraries.

These programs are written in a programming language called MQL4, and can be used in MetaTrader when properly installed.

Today, we are going to study how to install these programs to use them within MetaTrader.

### Format:

There are two kinds of files that you'll use with MetaTrader: the programs files and the executables files.

The program files are normal text files that have one of these extensions: .mq4 and .mgh. These files are the source code of programs written in the MQL4 programming language. They can be opened and edited with a program, shipped with MetaTrader, called MetaEditor. This program enables you to view, edit and compile these types of files.

The executable files are binary files that cannot be opened for viewing or editing, and have the extension, .ex4. These files are the result of compiling the .mq4 files using MetaEditor, and can be loaded into and used by MetaTrader.

**Note:** The .mgh files are header files that have line of codes that MQL4 programmers can include in their MQL4 programs. So, they cannot be compiled to .ex4 files.

### Compiling:

Compiling is an operation performed by a special program called a compiler to convert readable text format to binary format, which the computer can easily understand.

This is a general definition of compiling. But, compiling, in our case, is converting mq4 files to ex4 files using the MetaEditor program.

To do this, we simply open the mq4 file in MetaEditor. By pressing F5 hot key, MetaEditor will compile (convert) the mq4 file to ex4 file, keeping the mq4 file intact. MetaEditor will place the generated ex4 file at the same path as the mq4 file.



We must compile mq4 files to ex4 files because MetaTrader is unable to load any file other than ex4 files.

So, when we get mq4 files and compile them, does it mean that we re done installing them and their ready to use?

Actually, no! There's another step we need to take. This step is putting the ex4 file in its proper folder.

**Note:** It's recommended that you perform this step prior to compiling because the compiler will place the ex4 files in the same place as the mq4 files.

## **Folders:**

You know that there are four kinds of MetaTrader programs: Expert Advisors, Indicators, Scripts, Libraries, other than the header files (.mqh files).

MetaTrader is very organized program that has a folder for each type of program. It also expects you to be an organized trader, placing every program in its proper folder.

MetaTrader searches the folder of the Experts for Experts, as well as the folder of the Indicators for Indicators, etc.

MetaTrader is only interested in ex4 files. When it searches for them, MetaTrader expects the ex4 files to be in the proper folders.

So, it is important that you place the source code of the Expert Advisors in the folder for Expert Advisors, and use MetaEditor to compile them to generate ex4 files in the Expert Advisors folder. The same holds true with Indicators, Scripts and Libraries.

These are the folders used:

### **Expert advisors folder:**

MetaTrader\_Dir\experts

### **Indicators folder:**

MetaTrader\_Dir\experts\indicators

### **Scripts folder:**

MetaTrader\_Dir\experts\scripts

### **Libraries folder:**

MetaTrader\_Dir\experts\libraries

### **Include folder (mqh files)**

MetaTrader\_Dir\experts\include

## First session - Modifying an Order!

We have placed our first order in the previous article. Today we are going to learn how to modify and close this placed order.

Let's start with the limits that we can set to an order!

### Order Limits:

Order limits are boundaries that you can set to an order to prevent big losses and to ensure that you make a profit as soon as possible.

These are the types of the order limits:

#### Stop loss:

Stop loss is a limit point that you set to your order. When reached, the order will be closed. This is useful to minimize your lose when the market going against you. Stop losses points are always set below the current asking price on a buy or above the current bid price on a sell.

#### Trailing Stop:

Trailing stop is a type of stop loss order that is set at a percentage level either below that market price, for a long position, or above the market price, for a short position. The price is adjusted by Expert Advisors as the price fluctuates.

#### Take profit:

Take profit is similar to stop lose in that it s a limit point you set to your order. When reached, the order will be closed.

There are, however, two differences:

- \_ There is no trailing point.
- \_ The exit point must be set above the current market price, instead of below.

### How to Modify an Opened Order (Stop Loss and Take Profit):

## Step 1:

In the terminal window, right click on the order you want to modify. From the context menu, choose *Modify or Delete Order* (Figure 1).



Figure 1

Typically, the Order Window will pop up, but in this case it's in a medication order mode (Figure 2).



Figure 2

## Step 2:

In this window you will find two boxes to set (in pips) the Stop Loss and Take Profit prices (Figure 3). When the prices have been set (in pips) for those boxes, you have must click the "Copy as:" buttons under each of the two boxes to let MetaTrader convert your levels into prices.

Or you can write the prices of Stop Loss and Take Profit directly in the Stop Loss and Take Profit combo boxes (Figure 4).

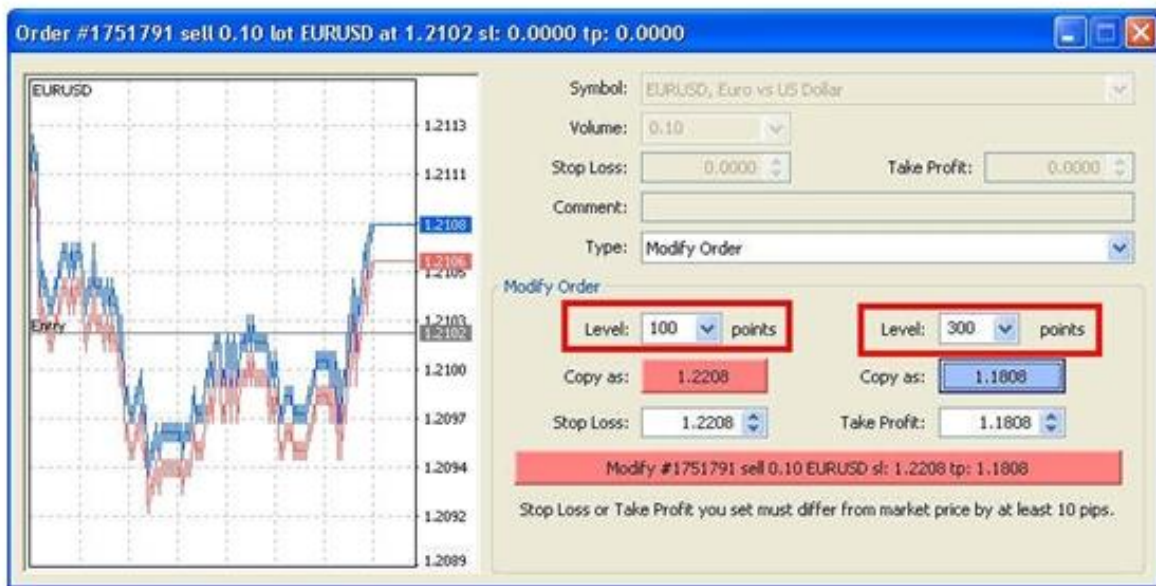


Figure 3



Figure 4

### Step 3:

Now you have to click the Modify button (Figure 5) to send your modification to the broker. You will be prompted with a window like figure 6. Click OK button.



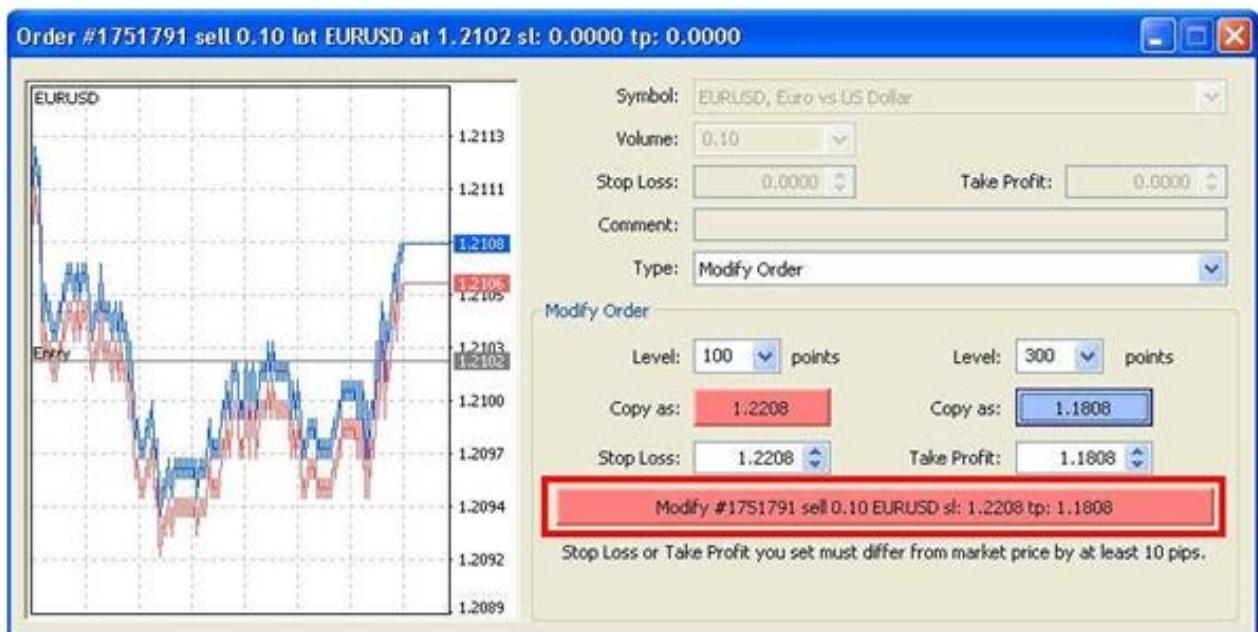


Figure 5

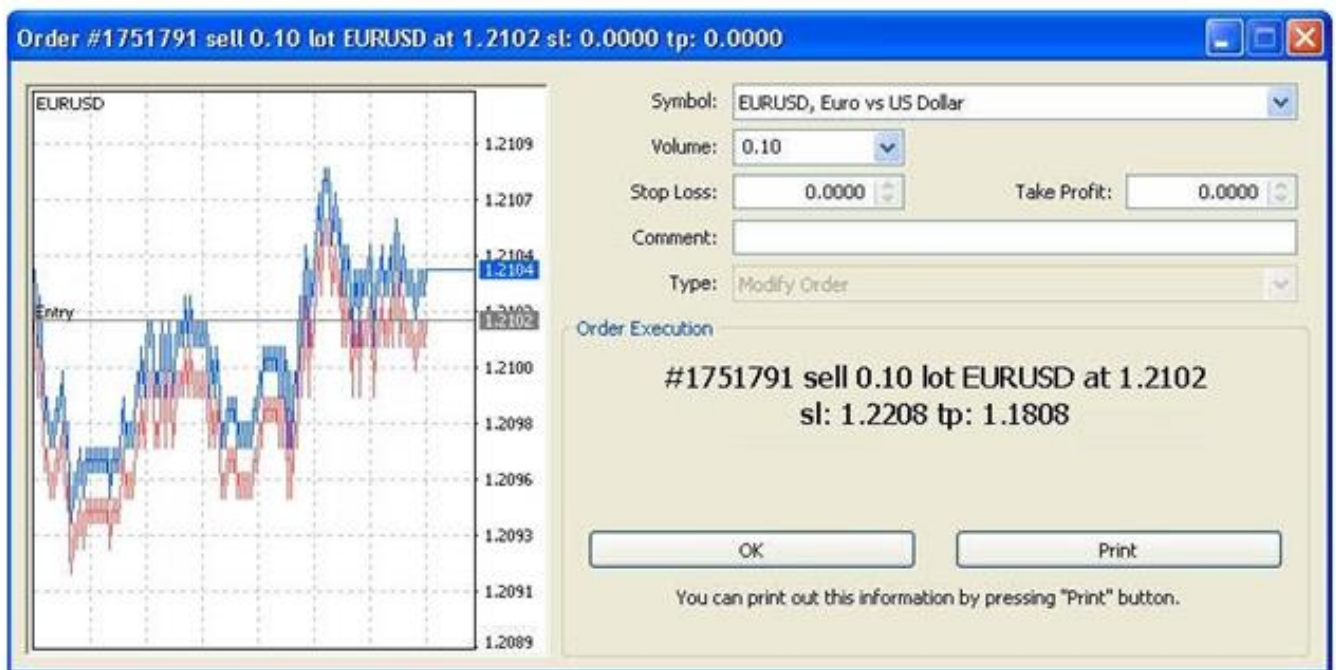


Figure 6

This will set the limits you've chosen to the order and will appear in the terminal window as shown in figure 7.

Order	Time	Type	L...	Sy...	Price	S / L	T / P	Price	Swap	Pr...	/
175...	2006.04.12 16:25	buy	0.10	usdchf	1.2999	1.2899	1.3299	1.2992	0.00	-5.39	
175...	2006.04.12 16:36	sell	0.10	eurusd	1.2102	1.2208	1.1808	1.2104	0.00	-2.00	
175...	2006.04.12 18:01	sell	0.10	gbpusd	1.7503	1.7603	1.7203	1.7501	0.00	2.00	
Balance: 254.63   Equity: 249.24   Margin: 79.21   Free margin: 170.03   Margin level: 314.66%   -5.39											
Trade   Account History   Alerts   Mailbox   Experts   Journal											
											35/0 kb

Figure 7

Congratulation! You have set the Stop Loss and Take Profit levels to your order. When the price reaches these levels, it will be closed automatically to prevent more losses if the Stop Loss price is the one that has been reached, or take your profit if the Take Profit price is the one that has been reached.

Now, you could ask me, What about setting the Trailing Stop?

### How to set Trailing Stop:

The Stop Loss and Take Profit limits, which you have learned to set, were sent to the broker. Even if you close MetaTrader, the broker knows when to stop the order.

But, in the case of Trailing Stop, MetaTrader has to be on because it sends the new Stop Loss level continuously to the broker. If you close MetaTrader, the broker will only know the last Stop Loss level MetaTrader sent before shutting down.

Now let's set the Trailing Stop level to our Order.

#### Step 1:

In the terminal window, right-click on the order you want to set its Trailing Stop. And from the context menu, choose the Trailing Stop sub-menu (Figure 8). The sub-menu will show you following commands:

**Delete All:** To delete and all previous Trailing Stops you have set.

**None:** It means no Trailing Stop level has been set.

**15 Points, 20 Points .. 50 Points:** These are the default points (Pips) level that you can choose from them. If you not interested in them, you can choose the custom command.



**Custom...:** Clicking this command will open the Custom Trailing Stop Window (Figure 9), which allows you can set a custom Trailing Stop level. Please note that the Trailing Stop must be greater than 15 Points.

**Step 2:**

Choose the level from the context menu, or set the custom level, and click OK. The Trailing Stop will be saved. MetaTrader will use this setting to move your Stop Loss level automatically, as long as you running the program.

## First session - Placing an Order!

MetaTrader is the platform which enables you to send your orders to a brokerage to Sell or But a currency pair.

Today, we are going to place our first order in MetaTrader.

### Placing your first order step by step:

#### Step 1:

Load your instance of MetaTrader, and log into your account (MetaTrader will automatically log to your default account).

#### Step 2:

To place an order (Sell or Buy), you have to open the Order window (Figure 1).

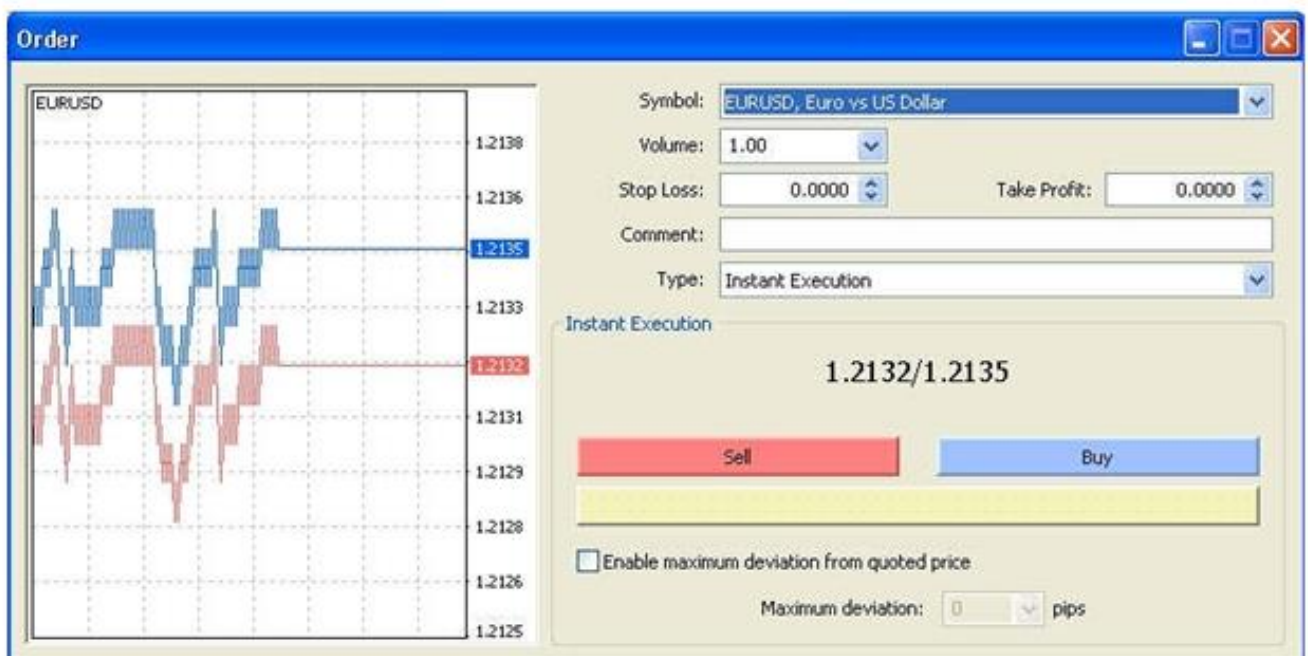


Figure 1

There are several methods that can be used to open the Order window:

You can press F9 hot key.

You can right-click the chart of the currency you want to Buy/Sell, and then choose New Order from the contextual menu (Figure 2).

You can right-click the Market Watch window on the currency you want to Buy/Sell,

and then choose New Order from the context menu (Figure 3). Or, you can doubleclick the currency.

Figure 2



Figure 3

### Step 3:

Now, in the Order window (Figure 1), you see two buttons: the Sell and the Buy buttons. You need to decide whether you want to Sell or Buy the currency, and click the appropriate button.

In the Buy order, the ASK price is used to open the order, and in the Sell order, the Bid price is used to open the order.

As you can see in Figure 1, the New Order window allows you to set these options:

**Symbol list:** This provides a drop down list of all the currencies pair that you can use to open the New Order.

**Volume list:** This provides a drop down list of predefined volumes that you can choose from for the New Order.

**Note:** Volume refers to the Lots value.

**Stop Loss combo:** This is a combo box with up and down arrows that enables you to set the Stop Loss level for the New Order. Use the up and down arrows or write the value of the Stop Loss in the text box. Setting the Stop Loss level is optional.

**Take Profit combo:** This is a combo box with up and down arrows that enables you to set the Take Profit level for the New Order. Use the up and down arrows or write the value of the Take Profit in the text box. Setting the Take Profit level is optional.

**Comment field:** Enter the comment text you want to assign to the New Order. Entering text in the Comment field is optional for the New Order.

**Type list:** You can choose from one of these two options:

Instant Execution;

Pending Order.

You have to choose Instant Execution because you want to make a Buy/Sell instantly.

**Sell button:** Click this button if you want to open a Sell order. Clicking the Sell button will close the New Order window and send the instructions to the broker.

**Buy button:** Click this button if you want to open a Buy order. Clicking the Buy button will close the New Order window and send the instructions to the broker.

**Enable maximum deviation from quoted price option:** Enable this option if your server uses price deviation. Enabling this option will activate the list of Pips where you can select a value for the maximum deviation.

**Maximum deviation list:** Select the maximum deviation pips value.

I chose to buy the EURUSD, so I clicked the Buy button, and this was the result (Figure 4).

Clicking OK will place the order by sending it to the broker. You can watch your profits or losses in the terminal window as shown in figure 5.

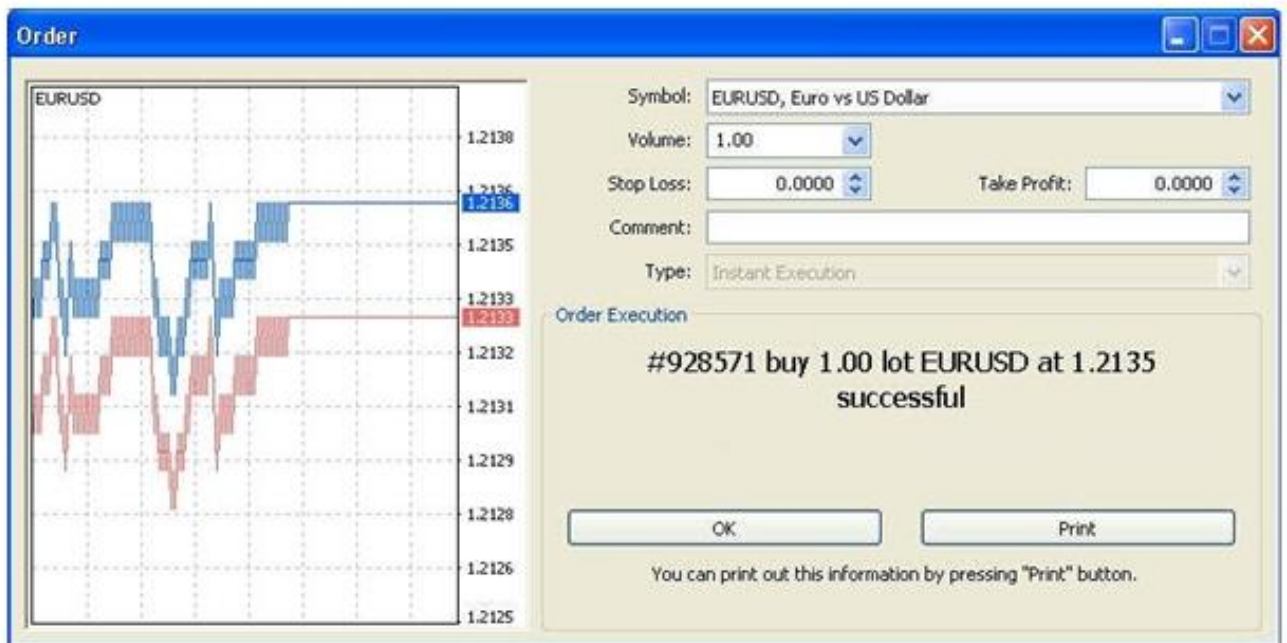


Figure 4



Figure 5



# First session trading Forex Part 1

Today, and in these series of articles, we are going to take the Forex newcomers by the hand and guide them to a better understanding of the fundamentals of the Forex.

## The trading dream!

All of us know that the shortest, and maybe the only way to money is trading. We have an imaginary character called Mr. X.

Mr. X wants to trade in cars. He wants to buy cars, and sell them when the price increases.

Mr. X has a big problem. To start his trading, he needs capital. Mr. X has 1000USD, and the price of the car he wants to trade in is 10000USD.

Mr. X is confident that if he has the 10000USD, he can sell the car for 12000USD and make 2000USD net profit.

No one wants to lend Mr. X the capital to start his trading. And, no car company will agree to lend him the car.

Mr. X's problem with capital is the same problem being faced by people around the world, and it's killing their trading dream.

The good news is that you can trade without a capital.

Mr. X can buy the car with his small capital. And, when it sells, he can take the 2000USD profit for himself! Yes, this is possible with Margin Basis Trading!

## Trading in margin basis:

With this system, you don't have to pay the whole price of the goods, but you can pay a deposit. And, when you sell the goods, you take the net profit for yourself, or you bear the loss.

Mr. X can buy the 10000USD car with his 1000USD deposit, with the aid of margin basis trading. When he sells the car for 12000USD, he can take the profit and return the 9000USD to the company who sold him the car with his 1000USD deposit.

However, the company who sells the car to Mr. X for his 1000USD deposit has a condition.

Its condition is that Mr. X will not possess the car, but the company will hold it for him. When Mr. X finds a customer to buy the car, the company will sell it to the customer, taking the 9000USD, or the remaining price of the car (10000USD), and give Mr. X the profit.

Mr. X agreed with pleasure!

With the trading in margin basis, you will not possess the goods, but you can trade in it while the company holds the goods for you.

You take the whole profit, and you bear the whole loss.

In our example Mr. X paid 1000USD and he is searching for a buyer for the car. Say, he didn't find a price more than 9000USD for the car.

In this case, Mr. X has made a loss of 1000USD. The Company will take the 9000USD from Mr. X, plus the deposit of 1000USD.

Mr. X thinks if he wait for more days the price will go up again, and he can make profit. However, two days later, the price went down even more. The price of the car now is 8000USD. If Mr. X sold the car at this price, he will lose and the company will lose too!!

In the trading in margin basis, there's a rule: The company couldn't lose!

The company will not wait to the day that the price of the car drops to 8000USD. They will ask Mr. X to sell the car at the price of 9000USD because any drop in the price means the company will also lose and this cannot happen!

This called a margin call. We will talk about it in more detail later!

Now, the most important thing we need to know is how the company who sold the car to Mr. X gave him a 10000USD car for 1000USD.

This is the leverage!

### **Leverage:**

The company who sold the car to Mr. X gave him the ability to trade in a 10000USD car for 1000USD capital. It had duplicated his capital 10 times and this called 1/10 leverage because the company allowed Mr. X to trade 10 x his capital.

If the leverage of this company was 1/100 that means Mr. X can trade in goods equal to 100000 (100 x his capital 1000).

The leverage is the backbone of trading in margin basis.



# First session using Expert Advisors!

Well, I have to use an Expert Advisor to automate my trade.

## What is the Expert Advisor?

The Expert Advisor is a piece of code, or some instructions that you give to MetaTrader, written in a specific programming language called **MetaQuotes Programming Language Version 4** (abbreviated to **MQL4**) that is compiled to a program which stays in front of the terminal and automates your trades for you. It can analyze the chart as any indicator does, as well as at specific conditions, open, modify and close the trading orders.

The Expert Advisor can do anything you can do, except one only thing, it can't do a mistake!

Our task today is to talk to newcomers of MetaTrader who want to know how to use the Expert Advisors in MetaTrader.

## Expert Advisors format:

Logically, to use the Expert Advisor, you have to have it.

There are two formats of Expert Advisors that you may already have:

### .mq4 format:

If you have the Expert Advisor in **xxx.mq4** format (where the **xxx** is the Expert Advisor name followed by dot then the **mq4** extension), then you have the source code of the Expert Advisor.

Source code means you have the Expert Advisor as a piece of code, written in **MQL4**. You can open this file in any text editor and read it, but you can't use it in MetaTrader yet. Why?

That's because, MetaTrader can't load this kind of Expert Advisors, and requires an extra step before loading it.

You need to convert this Expert Advisor to another format that MetaTrader can easily understand, **.ex4** format.

### Converting .mq4 to .ex4:

MetaTrader can load only the Expert Advisors which have the **.ex4** extension.

The **ex4** files are the executable version of the **mq4**. (Executable means they are not in text format anymore, but they are in binary format).

To convert the **mq4** to **ex4**, you have to do the following:

1. `<!--[if !supportLists]-->` Open the **mq4** file in the MetaEditor (Figure 1). MetaEditor is a program shipped with MetaTrader enabling you to write your own Expert Advisors, and to convert them to **ex4** format. To open MetaEditor, you can double-click the **.mq4** file, or you can click the Start button, then Program Files (All Programs in windows XP) and search for MetaTrader menu, then choose MetaEditor (Figure 2). But, if you opened the MetaEditor from the Program Files, you have to click File menu in MetaEditor, then Open command (Figure 3) to browse for the **.mq4** file you want to convert to **.ex4**.

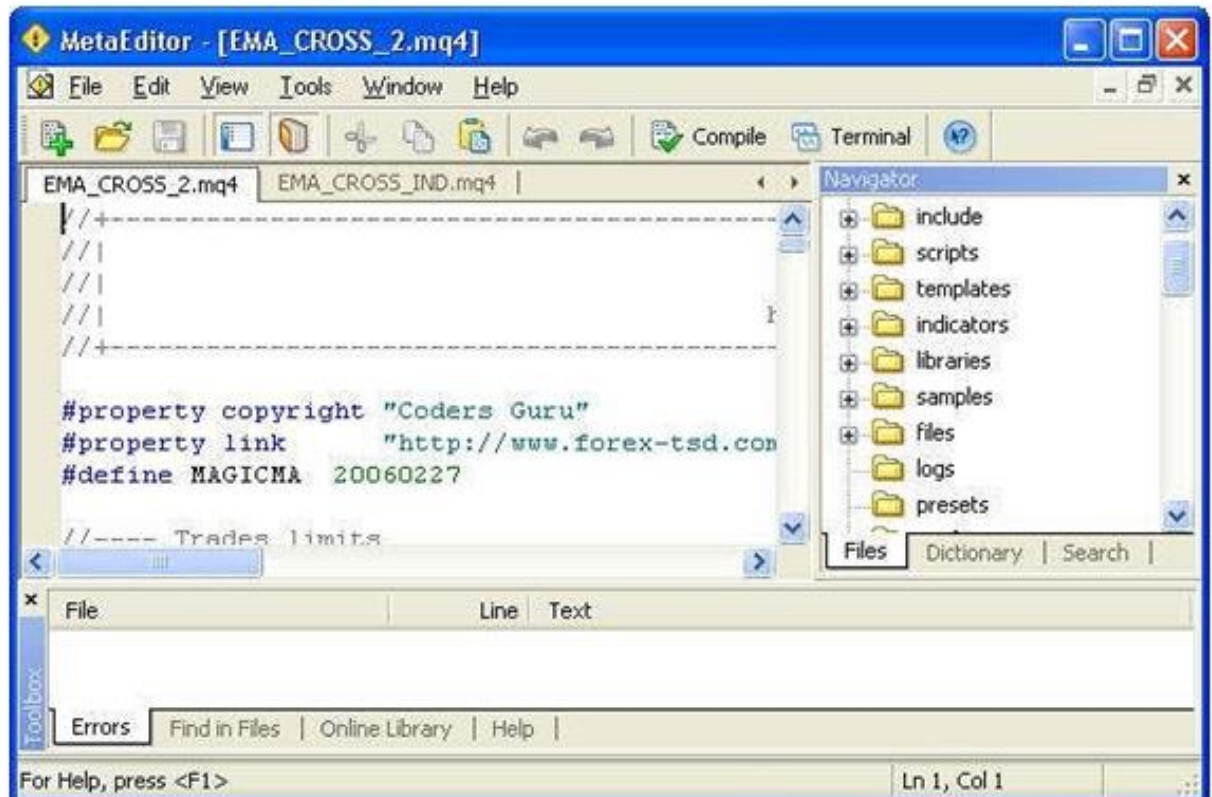
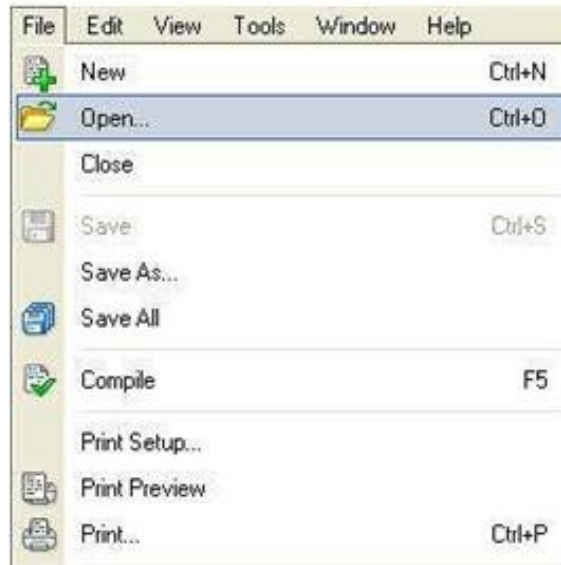


Figure 1 - MetaEditor

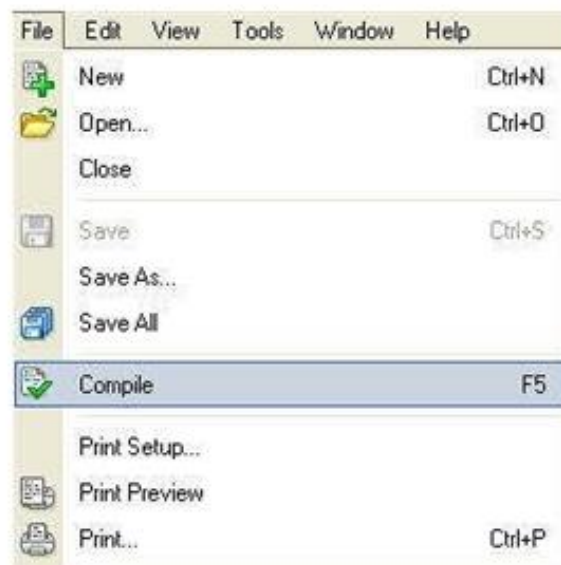


Figure 2 - Program Files



*Figure 3 - Open command*

2. <!--[if !supportLists]--> <!--[endif]-->After loading the **mq4** file into MetaTrader, go to File menu and choose Compile command (Figure 4) or hit F5.



*Figure 4 - Compile command*

3. <!--[if !supportLists]-->It will produce a filename that is the same name as the **mq4** file, but with **.ex4** file extension. This file will be created in the same path of the **.mq4**.

#### **.ex4 format:**

This is the executable version of the Expert Advisor. It's ready for use in MetaTrader, but unfortunately, you can not open it in the text editor to view the source code as it is now in binary format and not text format like the mq4 files.

Wait! You can't load the Expert Advisor into MetaTrader yet.

MetaTrader require extra step before loading the Expert Advisor, which I consider it a shortage in this great program.

**You have to copy the .ex4 file to the /experts folder.**

You will find the **/experts** folder in the installation folder of MetaTrader.

If you not sure where this folder is located, just right click on the MetaTrader icon and select Properties from the context menu, then click Find Target button (Figure 5).

Congratulations! You can load the Expert Advisor into MetaTrader now and only now.

### **Loading an Expert Advisor!**

Now, that you have the **.ex4** version of the Expert Advisor, and the Expert Advisor is located at **/experts** folder. You are now ready to use the Expert Advisor.

You will find the name of the Expert Advisor in the MetaTrader **Navigator** window (Figure 6).

As you can see in figure 6, the Navigator window is divided to tree of lists; the list which we interest in is **Expert Advisors** list.

In this list, you will find all the Expert Advisors that are in your **/experts** folder and, of course, which are already compiled to **.ex4** format.

***Note:** If you don't see the Navigator window in your terminal or you closed it, you can bring it back by clicking the Navigator button in the MetaTrader toolbar (Figure 7), just by clicking the View menu, and choosing Navigator or simply hitting the **CTRL+N** hotkeys.*

To load the Expert Advisor from the navigator window, you can do one of two things:

1. <!--[if !supportLists]-->Drag the Expert Advisor to the chart you want it to automate. Dragging means selecting the Expert Advisor from the Navigator window, and holding the left button of the mouse while moving the mouse to the chart, then releasing the left button on the chart.
2. <!--[if !supportLists]-->Double-click the Expert Advisor you want to attach to the chart. But, be sure you have activated the chart you want to work with. Activating the chart means simply clicking it.

When you load the Expert Advisor to the chart, you will be prompted with the Expert Advisor input windows (Figure 8).

In this window, you can input the required data to the Expert Advisor. For example: Take Profit value, Stop Loss value and Lots value.

**Note:** You will get the details of all the inputs of every Expert Advisor from the creator of the Expert Advisor, or from the forum you downloaded the Expert Advisor from.

You can change the inputs of the Expert Advisor, or you can leave the default values you see in the input window.

After setting the inputs of the Expert Advisor, you need to click OK.

If you are a lucky person, you will see the name of the Expert Advisor on the right upper corner of the chart with a fascinating smile beside it (Figure 9).

If you didn't find this smile icon, it means that the Expert Advisor is not enabled!

### **Enabling the Expert Advisor:**

You have to tell MetaTrader to use Expert Advisor to automate your trade by enabling the Expert Advisor.

From the toolbar of the MetaTrader, you will find Expert Advisors check button (Figure 10). Check button means you can click it to enable the Expert Advisors, and goes to pressed figure, and when you click it again; it disables the Expert Advisor and goes to un-pressed figure (Figure 11).

**Note:** When you disable the Expert Advisor the smile icon goes to "x" icon (Figure 12).

# First session using Indicators!

Today we are going to study how to use Indicators in MetaTrader platform.

## What is Indicator!

The indicator is a program written in MQL4, which mathematically manipulates the prices and draws lines on the chart.

The Indicators differ from the Expert Advisor in that:

1. The Indicators draw lines on the chart, while the Expert Advisors cannot.
2. The Expert Advisors can Auto-Trade, while the Indicators cannot.

**Note:** The lines that Indicators can draw are the buffers lines. But the Study Lines (ex: vertical lines, horizontal lines, Arrows and Shapes etc) could be drawn from the Indicator and from the Expert Advisors.

## How to load indicator on the chart:

There are two kinds of MetaTrader indicators:

### Built-in Indicators set:

This set of indicators is shipped with MetaTrader, and is considered the standard indicators. They are for use only, and cannot be opened for viewing and/or modifying their source code. You can access these indicators from the Navigator window - Indicators list (Figure 1).



*Figure 1 - Navigator window - Indicators list*

## Custom Indicators:

These are the indicators which located at **experts/indicators** folder. Most of these indicators are open source (came in .mq4 format then compiled to .ex4 format). You can open them in MetaEditor to view and/or modify their source code. They can be accessed from the Navigator window - Custom Indicators list (Figure 2).



*Figure 2 - Navigator window -Custom Indicators list*

To insert an indicator to the chart, you must first **activate** the chart by clicking it. Then, go to the **Navigator** window to choose the indicator you want to insert and right-click on it. You'll get a sub-menu like the one showed in Figure 3.

From this menu, you have to choose "**Attach to a chart**" command.



*Figure 3 - Indicators sub-menu*

You'll be prompted with the Indicator Parameters window (Figure 4) to set the indicator parameters. Clicking OK button in the Indicator Parameters window will attach the indicator to the chart.

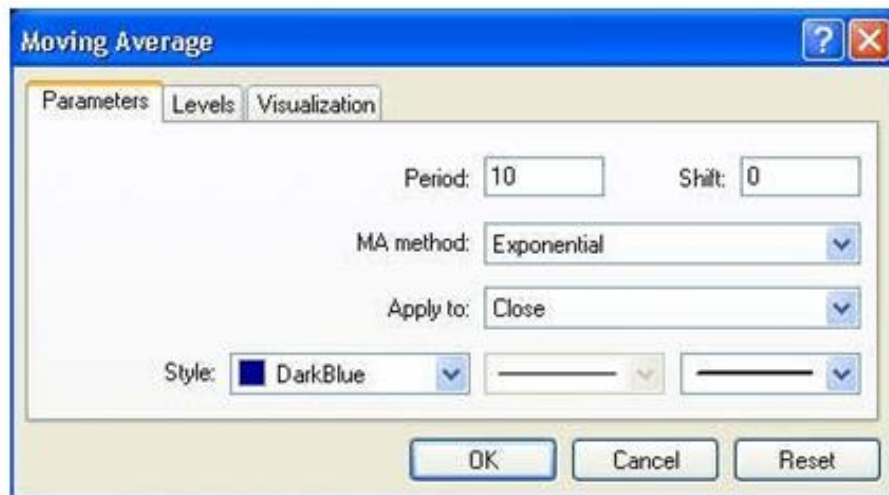


Figure 4 - Indicator Parameters window

**Note:** You can simply double-click the indicator name in the Navigator window to open the Indicator Parameters window.

**Note:** In the Insert menu, you will find Indicators sub-menu (Figure 5), where you can find all the built-in indicators grouped in categories (ex: Trends, Oscillators and Volumes), as well as all the Custom Indicator located in the Custom sub-menu. Clicking the indicator name from this menu will open the Indicator Parameters window.

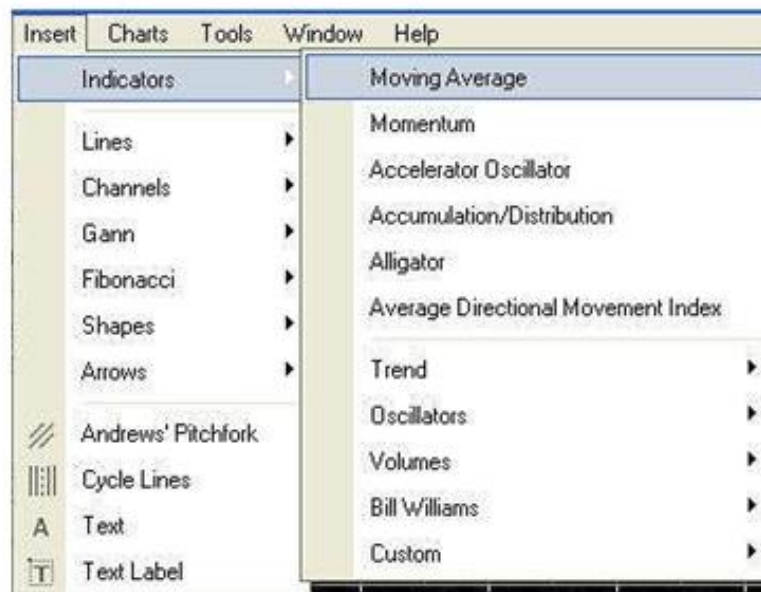


Figure 5 - Insert -> Indicators menu



## First session -Using Scripts!

Today we are going to study the use Scripts in MetaTrader. Let's first understand what the Script is.

### What is the Script?

The Script is a program written in MQL4. It's very much like the Expert Advisor in that it has the ability to open, close and modify trades. However, there are two differences between the Script and the Expert Advisor.

The Script is executed only once when attached to a chart, while the Expert Advisor that is attached to a chart is executed each time a new quotation arrives.

Another difference is that you must enable the Experts (review the previous article to learn how) prior to using them, while the Scripts don't require enabling.

## Hot keys

MetaTrader has a very user-friendly interface, and I think this is one of the most important reasons for its success.

Moreover, to make the world easier for the user, MetaTrader gives you the ability to access its most used functions by using hot keys!

### What are the hot keys?

A hot key is a combination of keyboard keys that you press simultaneously to carry out a specific task. You use hot keys everyday and every minute. Just think about CTRL+C. It is a hot key of copying the selected text in most of the programs that operate under MS Windows!

In MetaTrader, you can press a hot key to access a task that you could, alternatively, access from MetaTrader's menu or toolbar (i.e. F9 is the hot key to open new order window).

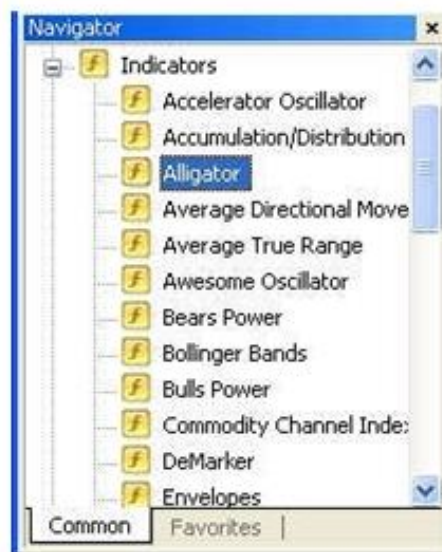
We are going to list all the available hot keys of MetaTrader. But, we need to discuss a very important feature of MetaTrader: Assigning a hot key!

### Assigning a hot key!

MetaTrader gives you the ability to assign a hot key to any of your programs, which include Indicators, Expert Advisors and Scripts, for easy access.

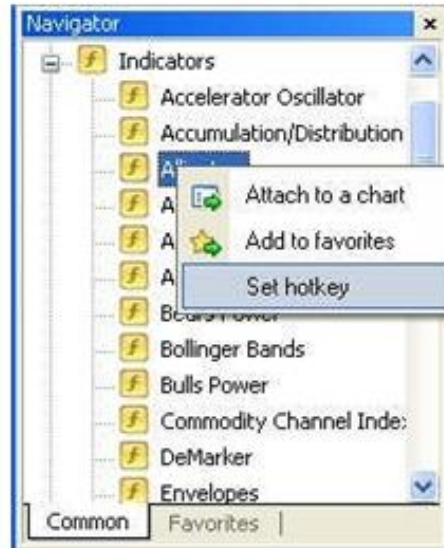
Let us go step-by-step to assign a hot key to one of the indicators:

1- The first step is to go into the Navigator window (Figure 1), and choose the indicator you want to assign a hot key to. Let's say we want to assign the hot key CTRL +GtotheAlligatorindicator.



**Note:** The CTRL + G hot key is already assigned by MetaTrader to hide/show grids. When we re-assign it to the Alligator indicator, the previous assignment will be overwritten. Now, when we press the CTRL + G, the assigned program will not be the show/hide grids, but the Alligator indicator.

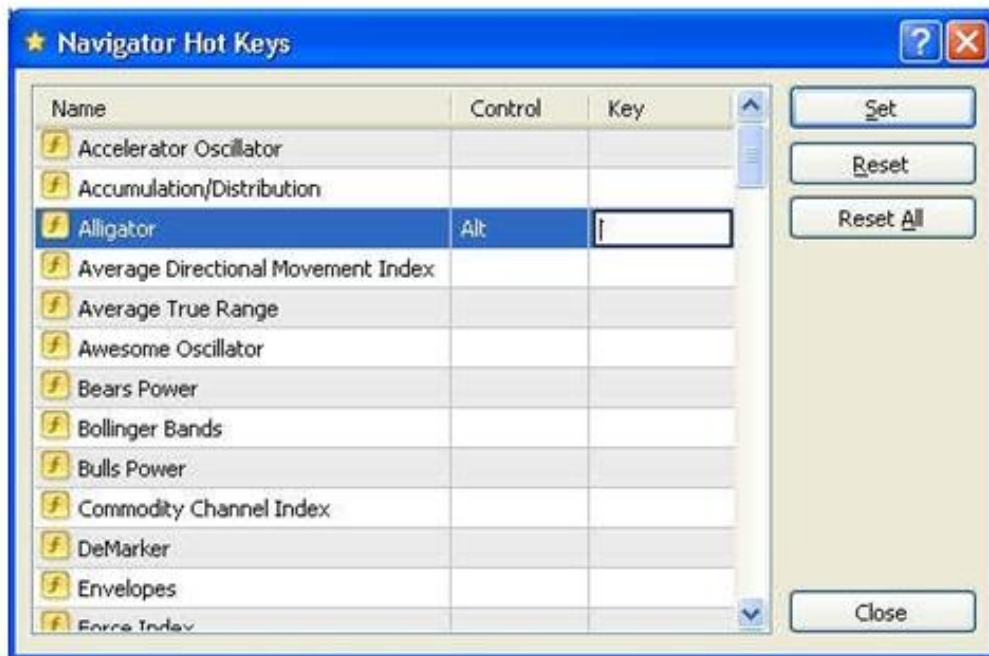
2- Right-click on the Alligator indicator to show the context menu (Figure 2), and choose the Set hotkey command.



3- This will open the Navigator Hot Keys window (Figure 3). Select the Alligator indicator, if not already selected.

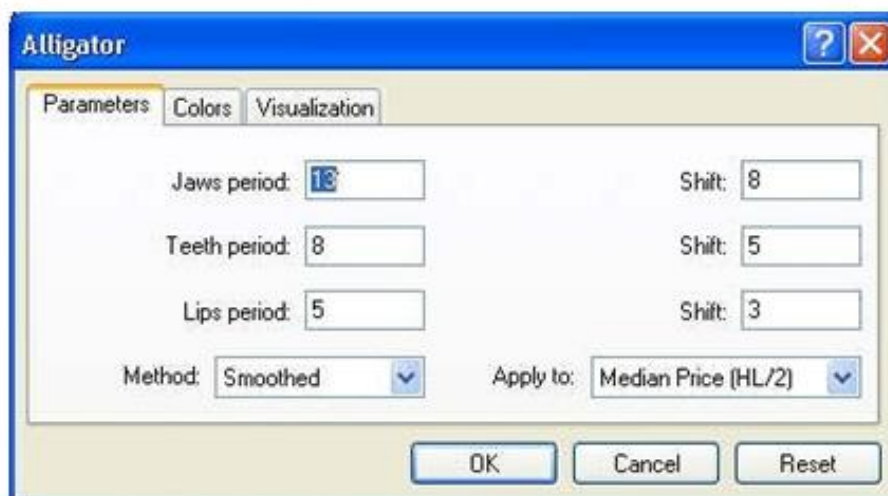


4- Click the Set button, and you will find two fields to complete; one is for the control key (CTRL or ALT), and the other field for the keyboard letter (Figure 4). Set the fields to CTRL and G., and click the Close button!



**Note:** There are two other buttons in the Navigator Hot Keys window. The Reset button will reset your last entry, and the Reset All button will reset all of your assigned hot keys.

Now, you can click CTRL + G to add the Alligator indicator to your chart (Figure 5).



## Hot keys list:

Here's the list of the hot keys available in MetaTrader:

Hot key	Function
←	chart scrolling to the left
→	chart scrolling to the right
↑	fast chart scrolling to the left or, if the scale is defined, chart scrolling up
↓	fast chart scrolling to the right or, if the scale is defined, chart scrolling down
<b>Numpad 5</b>	restoring of automatic chart vertical scale after its being changed. If the scale was defined, this hot key will return the chart into the visible range
<b>Page Up</b>	fast chart scrolling to the left
<b>Page Down</b>	fast chart scrolling to the right
<b>Home</b>	move the chart to the start point
<b>End</b>	move the chart to the end point
-	chart zoom out
+	chart zoom in
<b>Delete</b>	delete all selected graphical objects
<b>Backspace</b>	delete the latest objects imposed into the chart window
<b>Enter</b>	open/close fast navigation window

<b>Esc</b>	close the dialog window
<b>F1</b>	open the MetaTrader user guide
<b>F2</b>	open the "History Center" window
<b>F3</b>	open the "Global Variables" window
<b>F4</b>	download MetaEditor
<b>F5</b>	switch to the next profile
<b>F6</b>	call the "Tester" window for testing the expert attached to the chart window
<b>F7</b>	call the properties window of the expert attached to the chart window in order to change settings
<b>F8</b>	call the chart setup window
<b>F9</b>	call the "New Order" window
<b>F10</b>	open the "Popup prices" window
<b>F11</b>	enable/disable the full screen mode
<b>F12</b>	move the chart by one bar to the left
<b>Shift+F12</b>	move the chart by one bar to the right
<b>Shift+F5</b>	switch to the previous profile
<b>Alt+1</b>	display the chart as a sequence of bars (transform into bar chart)
<b>Alt+2</b>	display the chart as a sequence of candlesticks (transform into candlesticks)
<b>Alt+3</b>	display the chart as a broken line (transform into line chart)
<b>Alt+A</b>	copy all test/optimization results into the clipboard

<b>Alt+W</b>	call the chart managing window
<b>Alt+F4</b>	close the client terminal
<b>Alt+Backspace or Ctrl+Z</b>	undo object deletion
<b>Ctrl+A</b>	arrange all indicator windows heights by default
<b>Ctrl+B</b>	call the "Objects List" window
<b>Ctrl+C or Ctrl+Insert</b>	copy to the clipboard
<b>Ctrl+E</b>	enable/disable expert advisor
<b>Ctrl+F</b>	enable "Crosshair"
<b>Ctrl+G</b>	show/hide grid
<b>Ctrl+H</b>	show/hide OHLC line
<b>Ctrl+I</b>	call the "Indicators List" window
<b>Ctrl+L</b>	show/hide volumes
<b>Ctrl+P</b>	print the chart
<b>Ctrl+S</b>	save the chart in a file having extensions: "CSV", "PRN", "HTM"
<b>Ctrl+W or Ctrl+F4</b>	close the chart window
<b>Ctrl+Y</b>	show/hide period separators

<b>Ctrl+Z or Alt+Backspace</b>	undo the object deletion
<b>Ctrl+D</b>	open/close the "Data Window"
<b>Ctrl+M</b>	open/close the "Market Watch" window
<b>Ctrl+N</b>	open/close the "Navigator" window
<b>Ctrl+O</b>	open the "Setup" window
<b>Ctrl+R</b>	open/close the "Tester" window
<b>Ctrl+T</b>	open/close the "Terminal" window
<b>Ctrl+F6</b>	activate the next chart window
<b>Ctrl+F9</b>	open the "Terminal Trade" window and switch the focus into it. After this, the trading activities can be managed with keyboard.



## Multiple MagicNumbers Per EA Per Condition

Is it possible to use multiple MagicNumbers in a single EA to open orders under different conditions and close orders for different conditions?

Logic Example;

Open statements

If ( Condition A ) { Open order this way with this MagicNumber1 }

If ( Condition B ) ( Open order this other way with MagicNumber2 even if there is an existing open order }

Close statements

If ( Order opened under condition A && MagicNumber1 ) { Perform MagicNumber1 Close }

If ( Order opened under condition B && MagicNumber2 ) { Perform MagicNumber2 Close }

Is this possible, or do I need to write a different EA per MagicNumber so they won't conflict with each other?

# Trailing Stops

When we talk about the Trailing Stop techniques, we are talking about the exit positions strategy.

Any trade position that you enter has to end with one of two results: A profit or a loss. Therefore, you have only two concerns: To maximize your profit, and to minimize your losses.

One of your early memories describes the confusion of exiting the position in the appropriate time.

The market trends are in your favor, and are you making profits. Everything is perfect. But, suddenly, the market trends have turned against you. A worried novice trader would push the close button, and breath the a sigh of relief.

The minute the market turns against us, you quickly run to the old profitable closed direction.

Did you achieve the first dream? And, did you maximum your profit? No!

Two days after the previous lesson, you opened your pocket and made a bid. The profits blew up in your face, and suddenly the market turned its direction, you smiled and said "You can't cheat me anymore. I ve learned my lesson." The market is still running against you, and you re still smiling.

It will turn its direction. I'm sure!

It will turn its direction. I hope!

It will turn its direction. I'm scared!

Finally, you push the close button and areleft crying.

Did you achieve the second dream? Did you minimize your losses? No!

The Trailing Stop is perfect for these types of situations where early exit might have prevented the profits to run and late exit might have prevented cutting the loss early.

We are going to study how to set the Trailing Stop by hand in MetaTrader Terminal, and how write the code to embed the Trailing Stop. First, let's give the Trailing Stop the dictionary definition.

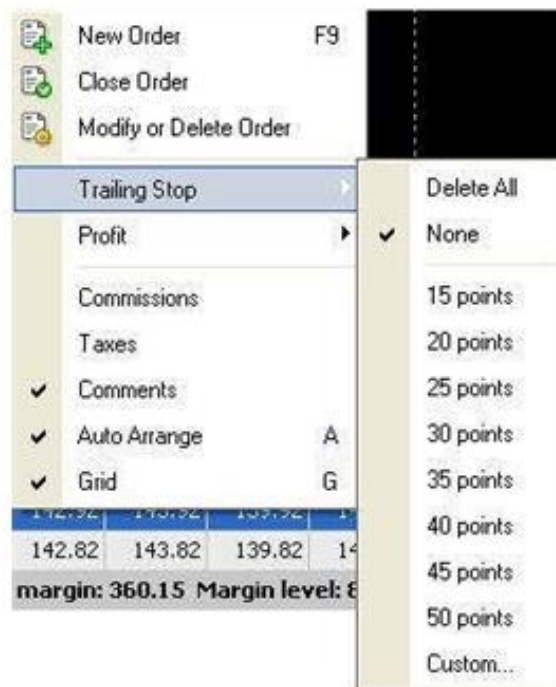
## Trailing Stop Definition:

It s a type of stop loss order that is set at a percentage level below the market price for a long position, or above the market price for a short position. The price is adjusted by an Expert Advisor as the price fluctuates.

**Note:** The Trailing Stop modifies the order in your client terminal, and sends the new stop loss level to the broker. So, you have a running terminal to trail your orders. When you shut down the terminal, the Trailing Stops will no longer work.

## How to Set a Trailing Stop Manually in MetaTrader?

To place a Trailing Stop, you must have an opened position. Simply go to the position for which you want to set its Trailing Stop within the Terminal Window and right-click it. This will bring up the context menu showed in Figure 1. Choose from the Trailing Stop sub-menu, the level of the Trailing Stop that you would like to set.



If you don't find the Trailing Stop level you want in this menu, you can click Custom from the menu to bring up an input window to set the Trailing Stop (Figure 2).



### MQL4 Trailing Stop sample code:

```
// YOUR CODE HERE!
extern double      TrailingStop = 100;

int      MagicNumber = 101090;

//+-----+
int start()
{
    int cnt,total;
    total  = OrdersTotal();

    // YOUR CODE HERE!

    for(cnt=0;cnt<total;cnt++)
    {
        OrderSelect(cnt, SELECT_BY_POS, MODE_TRADES);

        if(OrderType()<=OP_SELL  &&  OrderSymbol()==Symbol())
        {
            if(OrderType()==OP_BUY)    //<-- Long position is opened
            {
                TrailOrder(OrderType()); return(0); //<-- Trailling the order
            }
            if(OrderType()==OP_SELL) //<-- Go to short position
            {
                TrailOrder(OrderType()); return(0); //<-- Trailling the order
            }
        }
    }
}
```

```

    }

    return(0);
}
//+-----+

void TrailOrder(int type)
{
    if(TrailingStop>0)
    {
        if(OrderMagicNumber() == MagicNumber)
        {
            if(type==OP_BUY)
            {
                if(Bid-OrderOpenPrice()>Point*TrailingStop)
                {
                    if(OrderStopLoss()<Bid-Point*TrailingStop)
                    {
                        OrderModify(OrderTicket(),OrderOpenPrice(),Bid-
Point*TrailingStop,OrderTakeProfit(),0,Green);
                    }
                }
            }
            if(type==OP_SELL)
            {
                if((OrderOpenPrice()-Ask)>(Point*TrailingStop))
                {
                    if((OrderStopLoss()>(Ask+Point*TrailingStop))
(OrderStopLoss()==0))
                    {
                        OrderModify(OrderTicket(),OrderOpenPrice(),Ask+Point*TrailingStop,OrderTakeProf
it(),0,Red);
                    }
                }
            }
        }
    }
}

```

In the code above, we are trailing all the opened positions using the function `TrailOrder()`.

It will go through all the opened positions using a loop that starts from 0 and counts orders returned by `OrdersTotal()` function.

To be certain that we are working with the order of current chart, we will check the `Symbol` against the selected `OrderSymbol`.

Then, we will call the `TrailOrder()`, which takes only one parameter; the type of order: `OP_SELL` or `OP_BUY`.

### **TrailOrder() function:**

This is the function that handles the Trailing Stop for us. There are two types of orders:

Buy order:

In the case of a Buy order, we check that the profit (current Bid price minus the open price) is greater than the Trailing Stop value that we have set (or the user set). We also modify the order to new Stop Loss level, which is equal to the current Bid price minus the Trailing Stop value.

Sell order:

In the case of Sell order, we check that the profit (the open price minus current Ask price) is greater than the Trailing Stop value that we have set (or the user set). We also modify the order to new Stop Loss level which is equal to the current Ask price plus the Trailing Stop value.

Please refer to my [MQL4](#) lessons for more details! Any questions are welcomed!

## Client Terminal Options

Today we are going to explore the **customized options** of the MetaTrader client. You can access these options by clicking the *Tools* menu, and then choosing *Options* (Or, you can hit the hotkey CTRL+O) to get the Options window showed in figure 1.

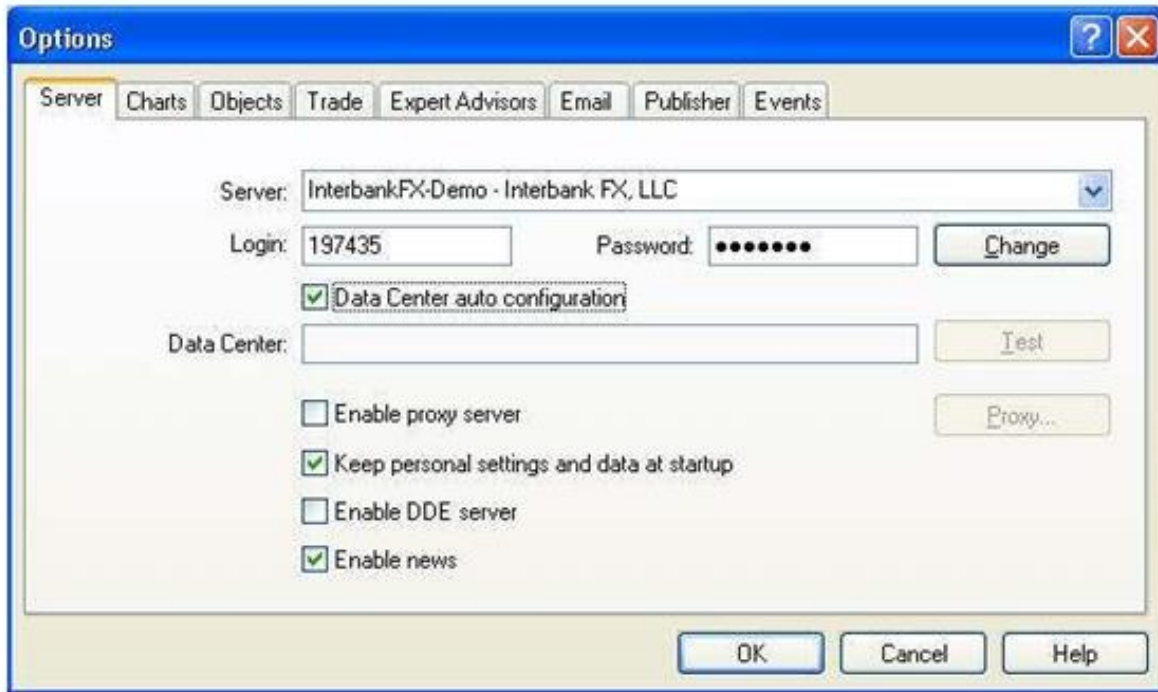


Figure 1 - Options window

As you will notice in Figure 1, the Options windows is divided into tabs, with each tab having its own set of options associated with a MetaTrader attribute.

We will study today each tab in detail.

### Server tab:

With the Server tab, you can apply settings related to the broker server (Figure 1).

**Server field:** Enter the IP address of the broker server, and the connection port separated by ":" sign. Or, you can type the domain name of the broker server.

For example:

*InterbankFX-Demo - Interbank FX, LLC* (Domain name)

*217.74.32.254:1950* (IP:Port)

**Login field:** Enter your login number. It is the number provided to you when you first opened a demo account.

**Password field:** Enter your password.



**Change button:** Click this button to change your Master or Investor password. Figure 2.

A screenshot of a 'Change Password' dialog box. The title bar is blue with a question mark and a close button. The main area has a light beige background. At the top left is an icon of a yellow padlock and keys. To its right, text reads: 'Password must be complex enough, at least five symbols long and at least two of the three character types present - lowercase, uppercase, digit'. Below this is a 'Login:' label followed by a text box containing '197435'. Underneath is a 'Current password:' label followed by an empty text box and the text 'must be the master password'. Below that are two radio buttons: the first is selected and labeled 'Change master password', the second is unselected and labeled 'Change investor (read only) password'. At the bottom are 'New password:' and 'Confirm:' labels, each followed by an empty text box. At the very bottom are 'OK' and 'Cancel' buttons.

*Figure 2 - Change your passwords*

**Data Center auto configuration option:** Check this option if you want MetaTrader to automatically set the IP Address of the Data Center. When enabled, the Data Center field and Test button will be disabled.

**Data Center field:** Enter the Data Center server and port that you want to manually set. The Data Center is the server where the MetaTrader gets quotations, news and history data. Through the Data Center, the MetaTrader will send your orders and receive responses. Entering incorrect Data Center information into the MetaTrade will render it operable.

**Test button:** Click this button to test your Data Center server.

**Enable proxy server option:** Click this option if you want to connect to the MetaTrader server through a proxy server. Enabling this option will enable the proxy server settings.

**Note:** A proxy server is a protected connection to the internet (Firewalls) installed on your machine. You must configure MetaTrader to use your proxy settings in order to be able to connect to the internet.

**Proxy button:** Clicking this button will open the proxy settings window (Figure 3). You can configure MetaTrader to use a proxy server based on the proxy settings.

**Note:** In the Proxy settings window you need to provide all of the followings:  
Server and port.

Proxy type (Socks, Socks5 and HTTP proxy).

User name and Password.



Figure 3 - Proxy settings

**Keep personal settings and data at startup option:** By enabling this option, MetaTrader will not prompt you for login information at startup.

**Enable DDE server option:** Click this option if you want to enable the MetaTrader DDE server. It will enable you to receive real-time quotations from MetaTrader.

***Note:** DDE stands for Dynamic Data Exchange. DDE enables two running applications to share the same data.*

*The program used to capture the data is called a "DDE server". The DDC client is the program that is used to capture the data from DDE server*

**Enable news option:** Click this option if you want MetaTrader to query the Data Center for server news.

## Charts tab:

With the Chart tab, you can set MetaTrader chart parameters and settings that will be inherently applied to all charts (Figure 4).

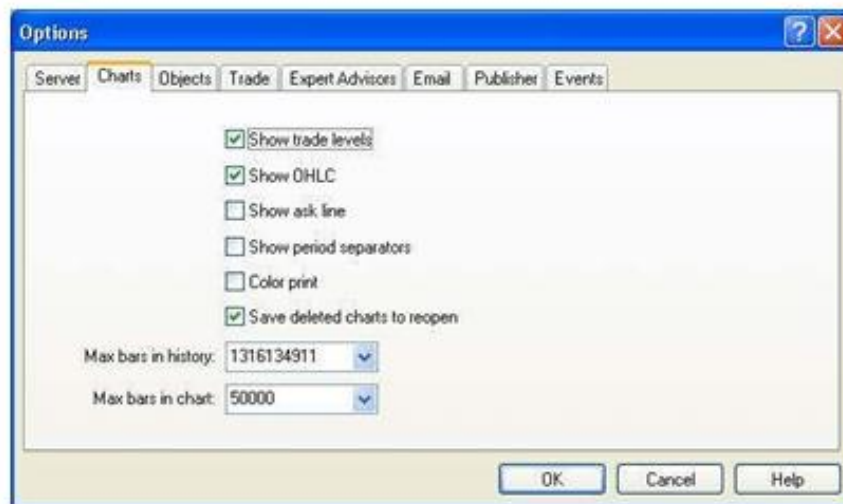
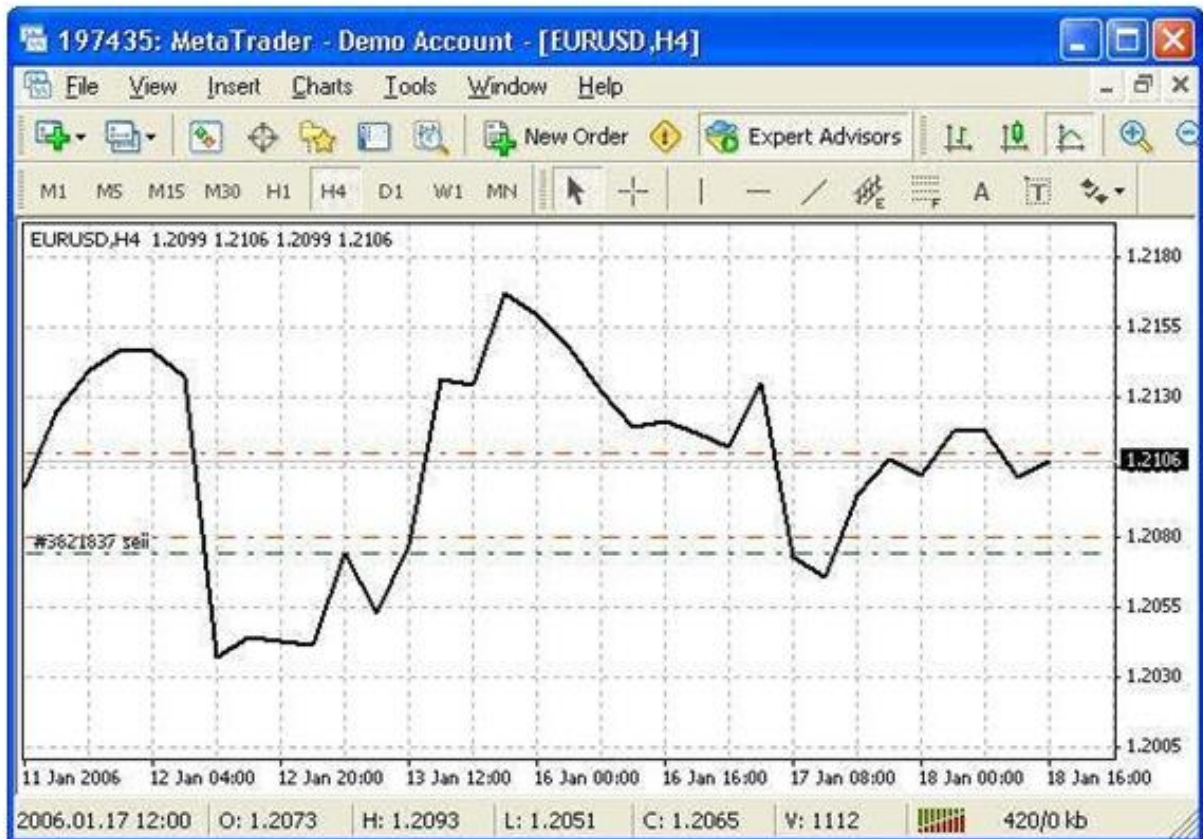


Figure 4 - Charts tab

**Show Trade Levels option:** Check this option if you want MetaTrader to draw trade positions lines (Figure 5). These lines include Open orders, Pending orders, StopLoss and TakeProfit levels.



*Figure 5 - Positions lines*

**Show OHLC option:** Enable this option if you want MetaTrader to show OHLC (Open, High, Low and Close values) line of the current bar. They will appear in the upper left corner of the chart (Figure 5) next to the currency pair name and the period of the chart.

Example: EURUSD,H4 1.2099 1.2106 1.2099 1.2106

**Show ask line option:** Enable this option if you want MetaTrader to draw the ask (price) line (The red line in figure 6).

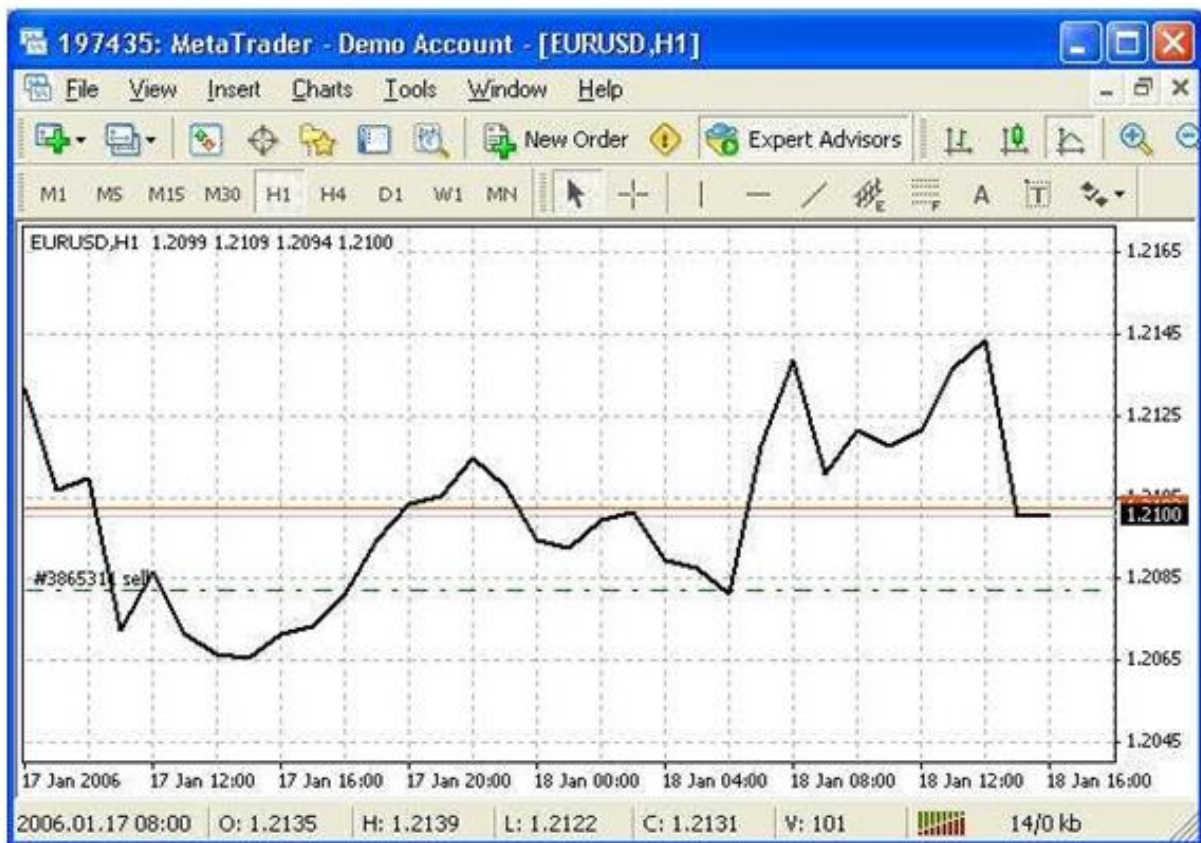


Figure 6 - Ask line

**Show Period Separator option:** Enable this option if you want MetaTrader to show the period separator (Horizontal dots line showed in Figure 7).

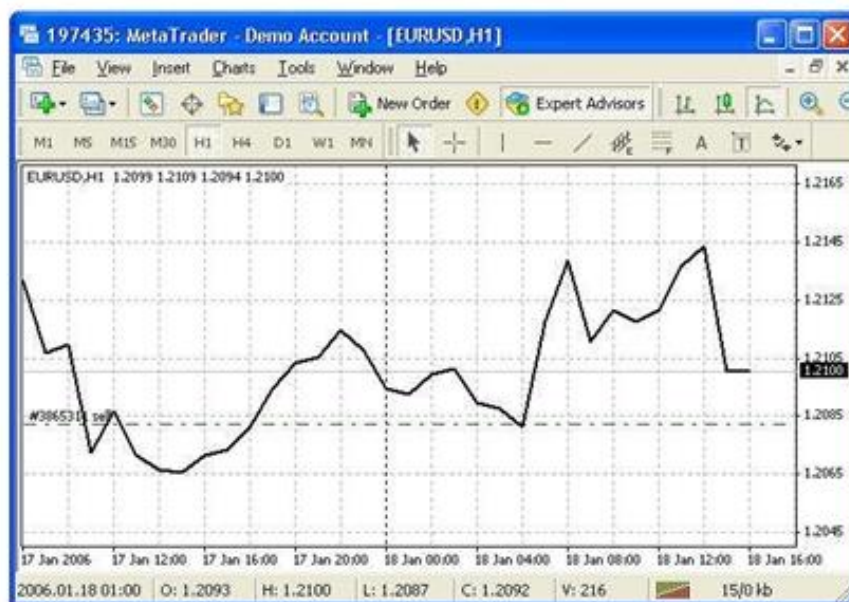
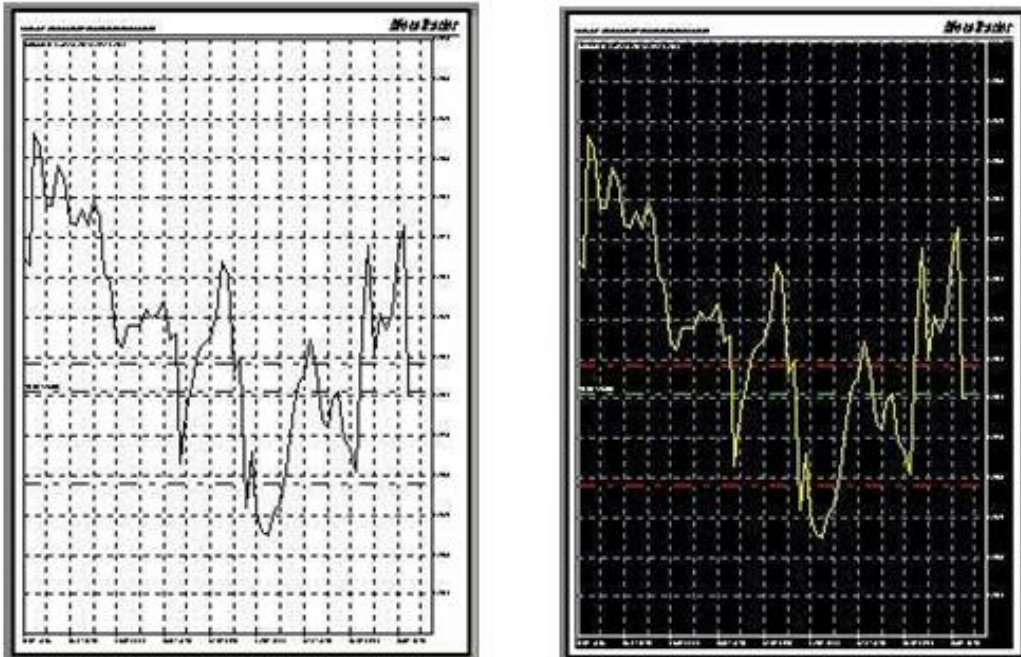


Figure 7 - Period Separator



**Color Print option:** Check this option if you want to enable color printing of charts. To print a chart, simply go to the File menu and choose Print, or click CTRL+P. Figure 8 shows the chart in Black-White mode. Figure 9 shows the chart in Colored mode.



*Figure 8 and 9 - Chart colors printing modes*

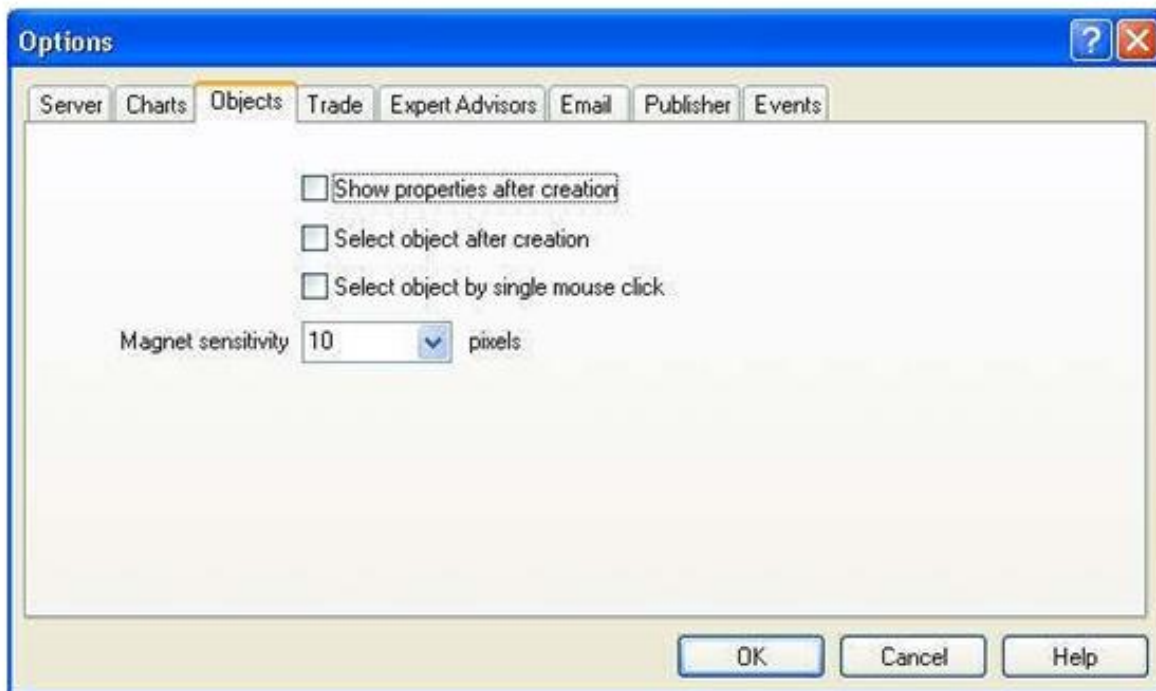
**Save deleted Chart for reopen option:** Enable this option if you want MetaTrader to save deleted chart templates and restore them in startup. Deleted chart templates can be opened by going to the File menu and choosing Open Deleted.

**Max bars in history field:** Enter, or choose from the drop down list, the maximum number of bars you want MetaTrader to store in the history database. This data is used in Strategy tester. The more bars used, the better your results.

**Max bars in chart filed:** Enter, or choose from the drop down list, the maximum number of bars you want MetaTrader to draw in the chart. These bars are important for your indicators to work properly.

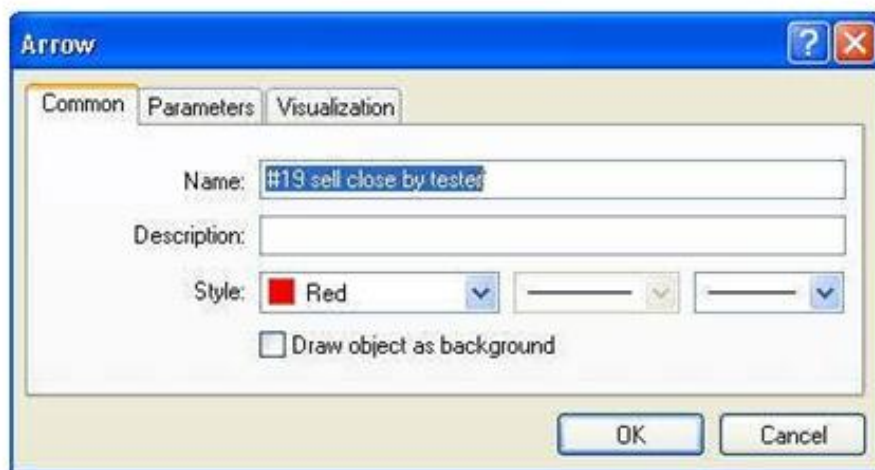
### **Objects tab:**

With the Objects tab, you can set the parameters and setting of the MetaTrader graphical objects to be shared by all charts (Figure 10):



*Figure 10 - Objects tab*

**Show properties after creation option:** Enabling this option prompts MetaTrader to display the object's Properties window (Figure 11) every time you create an object.



*Figure 11 - Objects Properties window*

**Select object after creation option:** Enabling this option prompts MetaTrader to select the object after its creation.

**Select object by single mouse click option:** Enable this option allows you to use a single mouse click, instead of a double-click, to select an object on the chart.

**Magnet sensitivity (in) pixels field:** Select the number of pixels of the object's magnet (warp) towards the nearest bar price.

## Trade tab:

Use the Trade tab to you set the Trade commonly used default values (Symbol, Lots and Deviation) (Figure 12):

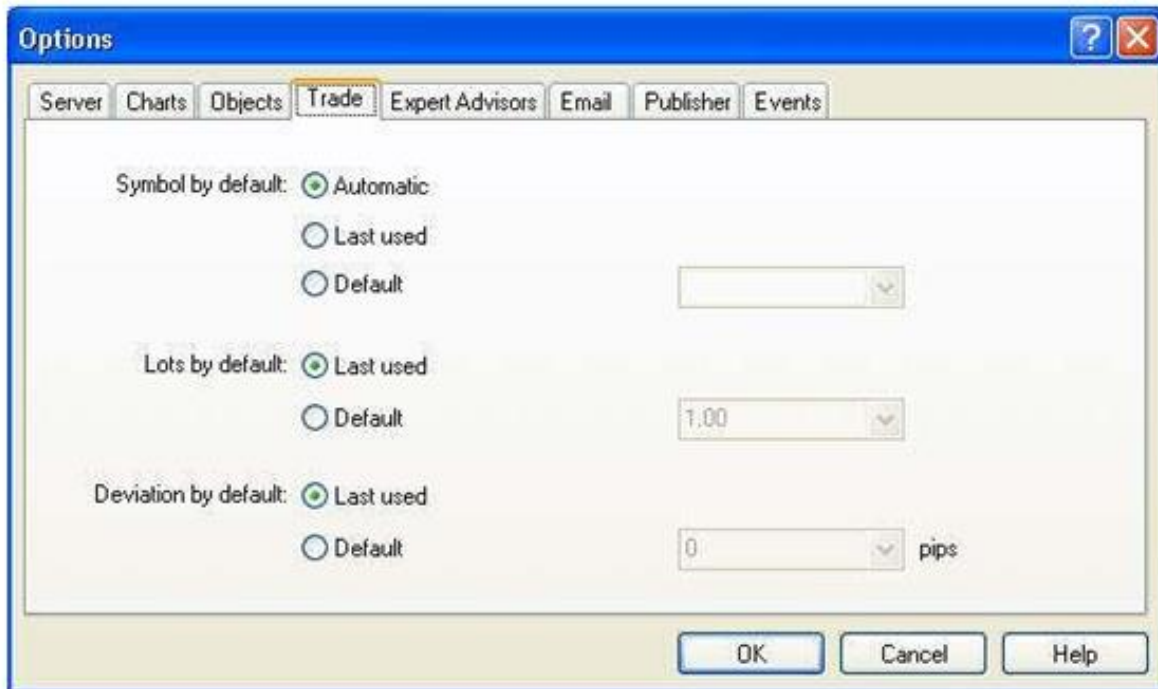


Figure 13 - Trade tab

**Symbol by default options:** Set the default value of the Symbol (Currency pair). You can choose one of three options:

- 1- Automatic: MetaTrader will automatically choose the Symbol.
- 2- Last used: MetaTrader will use the last Symbol you used.
- 3- Default: Clicking this option will enable a drop down list for you can set a default value for the Symbol.

**Lots by default options:** Set the default value of the Lots. You can choose one of two options:

- 1- Last used: MetaTrader will use the last Lots value you used.
- 2- Default: Clicking this option will enable a drop down list for you can set a default value for the Lots.

**Deviation by default options:** Set the default value (in Pips) of the Deviation. You can choose one of two options:

- 1- Last used: MetaTrader will use the last deviation value you used.
- 2- Default: Clicking this option will enable a drop down list for you can set a default value for the deviation.



## Expert Advisors tab:

This tab allows you to set options related to Expert Advisors (Figure 14).

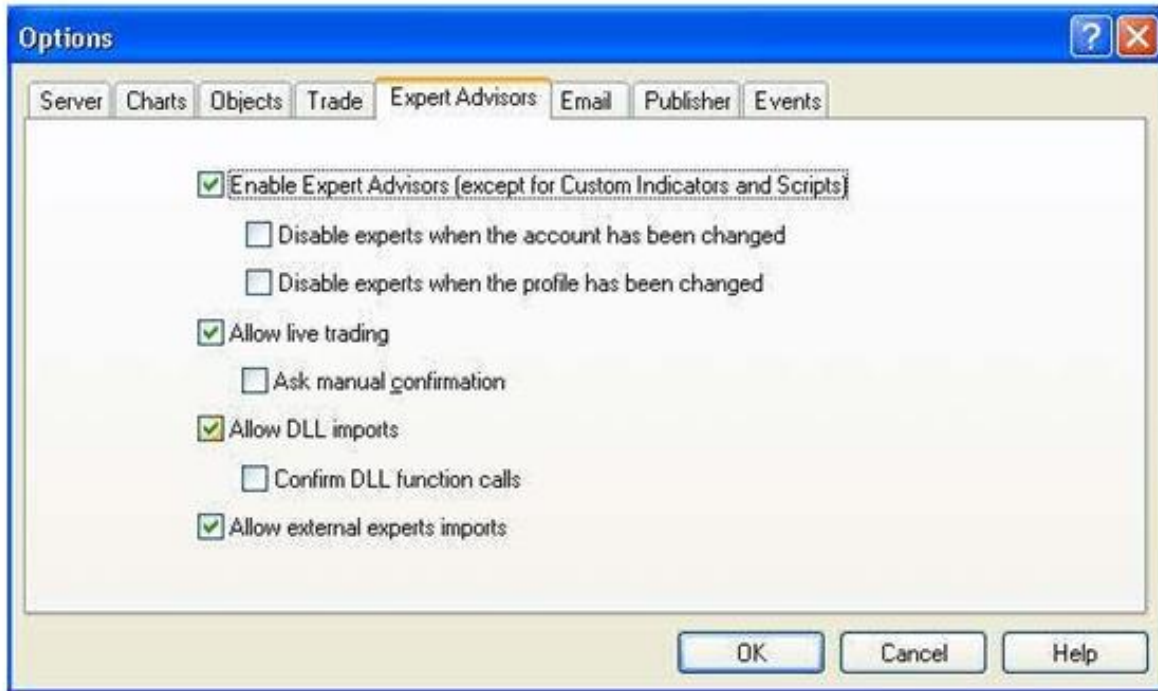


Figure 14 - Expert advisors tab

**Enable Expert Advisors option:** Check this option to enable Expert Advisors to start automating your trades. You can access the same option by clicking the Expert Advisors button in the toolbar (Figure 15). Enabling this option will make the next two options active.

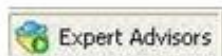


Figure 15 - Expert advisors toolbar button

**Disable Expert Advisors when the account has been changed option:** Check this option if you want MetaTrader to disable Expert Advisors automatically. This option is useful when you have a demo and a real account, and you are constantly switching between them. By enabling Expert Advisors, this option is available to you.

**Disable profiles when the account has been changed option:** Check this option if you want MetaTrader to disable using the current profile automatically in the case of changing the account. Similar to the above option, you must have the Expert Advisors enabled to use this option.

**Allow live trading option:** Enable this option if you want to perform live trading with the use of Expert Advisors.

**Ask manual confirmation option:** By enabling this option, MetaTrader will prompt you for a confirmation each time an order is opened, modified, stopped, etc.

**Allow DLL imports option:** Checking this option will enable Expert Advisors to use external functions that reside in DLLs libraries. For instance, you have to enable this option if you want to use the MessageBoxA function, which resides in the user32.dll. However, you may want to consider disabling this option if you are using unknown Expert Advisors as harmful code, such as viruses, may access critical functions of your Windows system.

**Confirm DLL function calls option:** By enabling this option, MetaTrader will prompt you for a confirmation before using any imported DLL functions (Figure 16). Allow DLL imports option must be enabled to use this option.

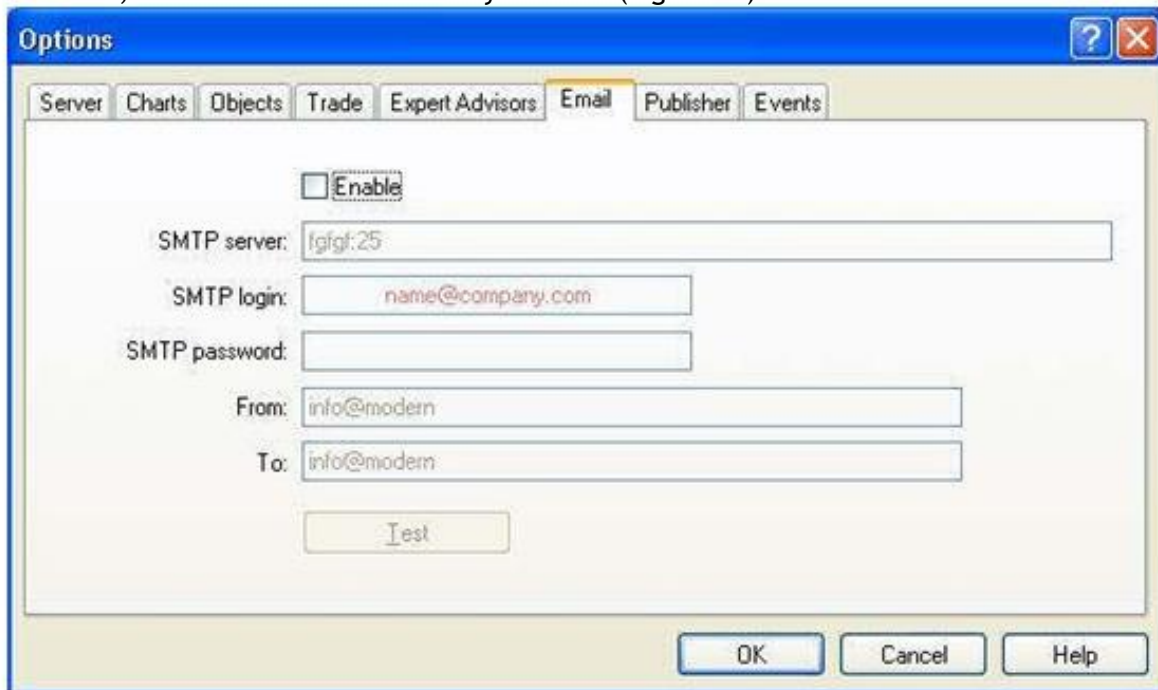
*Figure 16 - Confirm DLL function call*

**Allow external experts imports option:** Checking this option will enable Expert Advisors to use external functions that reside in other Expert Advisors. For instance, enabling this option will allow you to use the following line of code in your Expert Advisors:

```
#import "stdlib.ex4"
```

## Email tab:

By using the Email tab, you can set email parameters for Expert Advisors functions like SendMail, which can be used to send you alerts (Figure 17).



The screenshot shows the 'Options' dialog box with the 'Email' tab selected. The 'Enable' checkbox is unchecked. The 'SMTP server' field contains 'lgift25'. The 'SMTP login' field contains 'name@company.com'. The 'SMTP password' field is empty. The 'From' field contains 'info@modern'. The 'To' field contains 'info@modern'. There is a 'Test' button below the 'To' field. At the bottom right are 'OK', 'Cancel', and 'Help' buttons.

*Figure 17 - Email tab*

**Enable option:** Check this option to enable mail alerts. Other fields will be enabled once this option is selected.

**SMTP server field:** Enter your SMTP server address.

**SMTP login field:** Enter your SMTP login name.

**SMTP password field:** Enter your SMTP password.

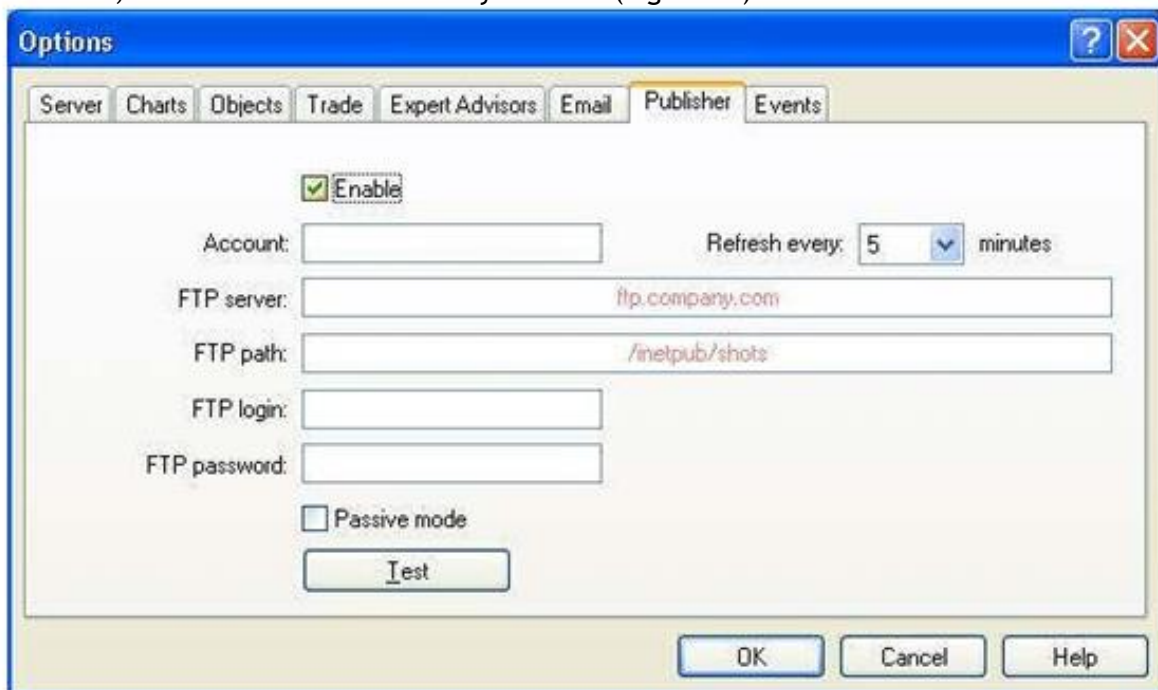
**From field:** Enter the name that should appear in the From field when you receive email alerts.

**To field:** Enter the name that should appear in the To field when you receive email alerts.

**Test button:** Click this button to test your configurations.

### **Publisher tab:**

Use the Publisher tab to set your FTP parameters for Expert Advisors functions such as SendFTP, which can be used to send you alerts (Figure 18).

The image shows a screenshot of a software window titled "Options". It has several tabs: "Server", "Charts", "Objects", "Trade", "Expert Advisors", "Email", "Publisher" (which is selected), and "Events". In the "Publisher" tab, there is a checkbox labeled "Enable" which is checked. Below it, there are several input fields: "Account:" (empty), "FTP server:" (containing "ftp.company.com"), "FTP path:" (containing "/inetpub/shots"), "FTP login:" (empty), and "FTP password:" (empty). To the right of the "Account" field is a "Refresh every:" label followed by a dropdown menu showing "5" and the word "minutes". Below the "FTP password" field is a checkbox labeled "Passive mode" which is unchecked. At the bottom left of the tab area is a button labeled "Test". At the bottom right of the window are three buttons: "OK", "Cancel", and "Help".

*Figure 18 - Publisher tab*

**Enable option:** Check this option to enable FTP alerts. Once checked, the other fields will be enabled.

**Account field:** Enter the number of your active account.

**Refresh every (in) minutes list:** Choose from the drop down list, the number of minutes to periodically send reports.

**FTP server field:** Enter your FTP server address.

**FTP path field:** Enter the path of the folder on your FTP server to send, or save the alerts.

**FTP login field:** Enter the login name to your FTP server.

**FTP login field:** Enter the password of your FTP login.

**Passive mode option:** Check this option to switch from standard to passive mode on your FTP server.

**Test button:** Click this button to test your configurations.

### Events tab:

With the Events tab, you can set, enable and disable alerts sounds for MetaTrader events (Figure 19).

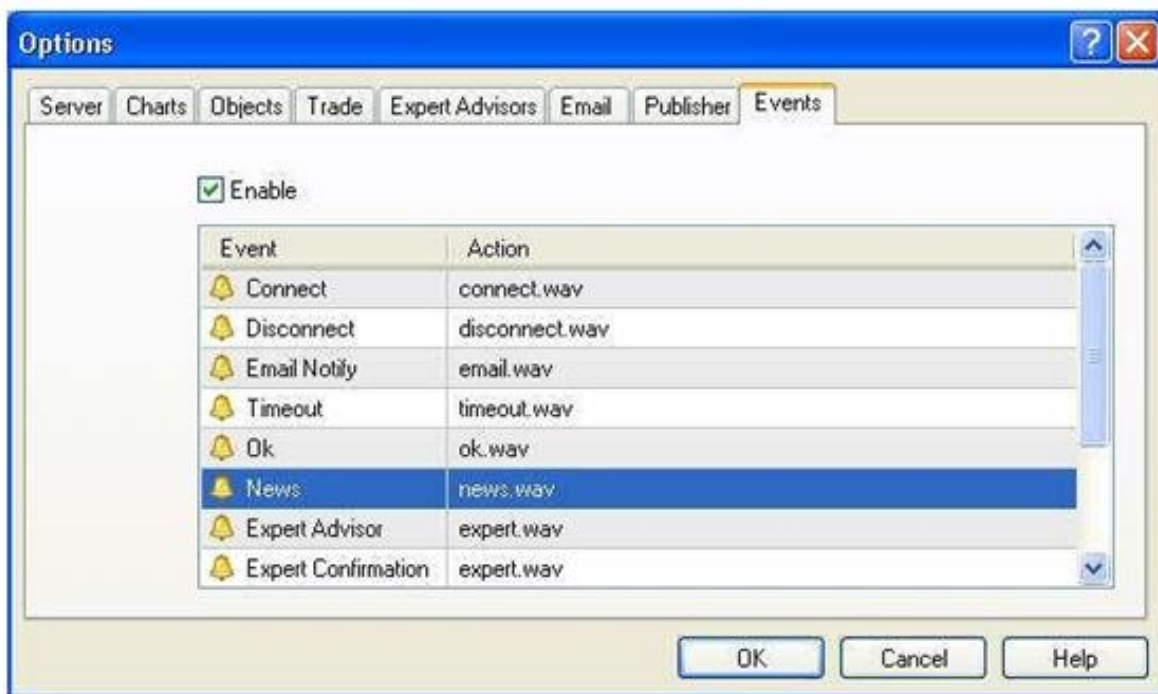


Figure 19 - Events tab

Events are special occurrences in MetaTrader, for example when MetaTrader connects to the server or when MetaTrader executes Expert Advisors, etc.

Checking this option enables sounds alerts for specific events. By double-clicking the Ring image, you can enable or disable an alert for an event. To change the sound, simply choose from drop down menu for a list of installed .wav files, or you can browse your computer to choose a new .wav file for the event you want.