



HEDGE 4 – TRADING PLATFORM

Version: 05 December 2015

MANUAL AND INSTALLATION GUIDE FOR TRIAL

HEDGE 4 – TRADING PLATFORM ONLY WORKS IN COMBINATION WITH METATRADER 4 AND YOUR COMPUTER MUST BE CONNECTED TO THE INTERNET AT ALL TIMES.

PLEASE TURN OFF YOUR FIREWALL OR ANTIVIRUS APPLICATIONS WHEN INSTALLING OR TRADING WITH HEDGE 4 AS IT MIGHT BLOCK INSTALLATION AND/OR DELAY THE EXECUTION OF TRADES.

INSTALLATION

→ Step 1: Download the Hedge4.05_TRIAL.zip

Upzip the TRIAL on your computer (preferably on your desktop)
You will find the following files:

1. H4_4D.ex4 (this is the Expert Advisor)
2. Hedge4.05p.exe (this is the Hedge4 platform)
3. This Manual & Installation Guide
4. MetaTrader4 Demo installations from different brokers
5. midas.dll (this is a driver that has to be in the same directory with the platform)
6. RegisterMidasDll_32and64bit.bat (double click to automatically register the midas.dll driver on your computer.



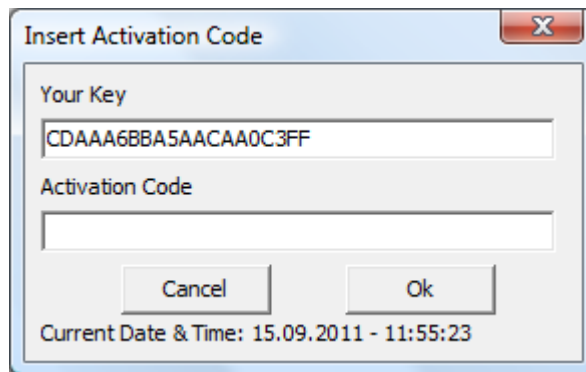


→ Step 2: Get your Hedge4 Activation Code

Double click on **RegisterMidasDll_32and64bit.bat** so the midas.dll driver is automatically installed.

Then **double click on Hedge4.05p.exe** to start the program and the **license box** will open. Copy and paste the **KEY** that you see and send it via email to info@hedge4.com. Then close the box again. In a very short time you will receive your personal **Activation Code** via email.

After you have your Activation Code, start **Hedge4.05p.exe** again and copy and paste your Activation Code into the empty field and press **OK**. Make sure on the bottom of your license box you see the current date and time. If that is NOT the case you cannot use Hedge4. Possibly an activated Firewall is blocking the data connection.

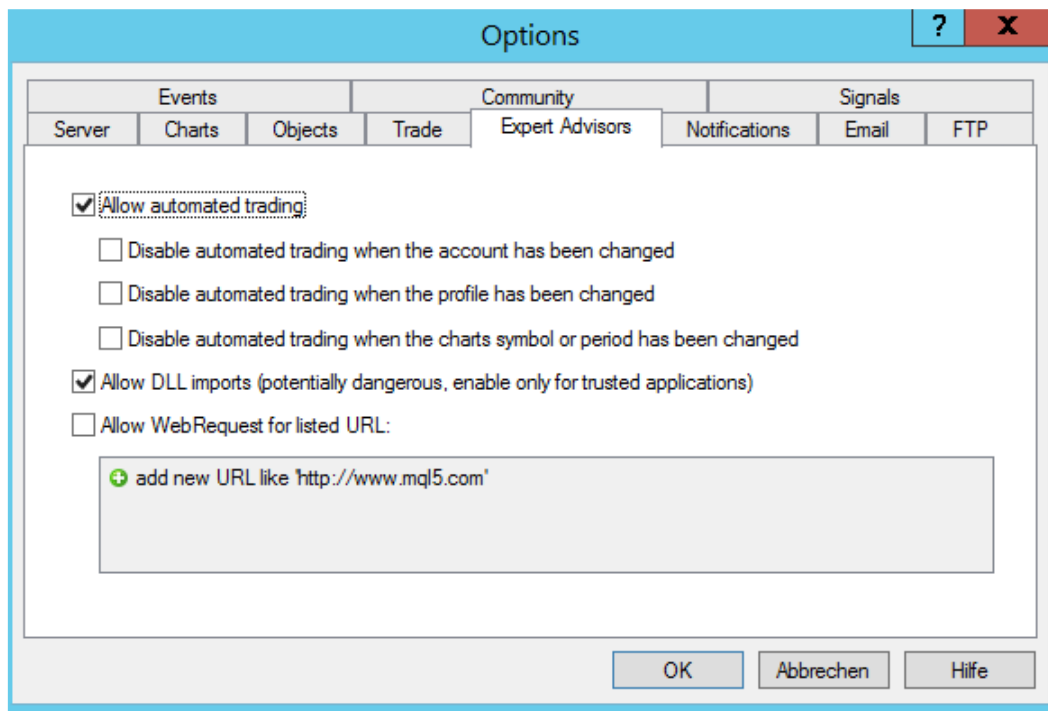


→ Step 3: Install Demo Accounts

While you are waiting for your Activation Code you should install a few MetaTrader4 demo accounts. Hedge4 can only be operated with at least 2 MT4 demo accounts. In each folder you will find an installation tool for each broker. You can choose some of your own brokers if you prefer. We recommend that you install at least 4 demo accounts.

After installing the MT4 go to **File → Open an Account → Continue → New demo account →** enter the necessary data. Chose the **highest leverage possible** (i.e. 1:500), use the same account currency for each demo and chose a **larger Deposit (25,000 or more)** so you have enough equity to finalize all your trading. For LMAX you need to apply for a demo on the website. Please use the link provided.

Once you installed and activated the Demo accounts go to **Tools → Options** and make the following settings for each MT4:



→ Step 4: Install the Expert Advisor (EA)

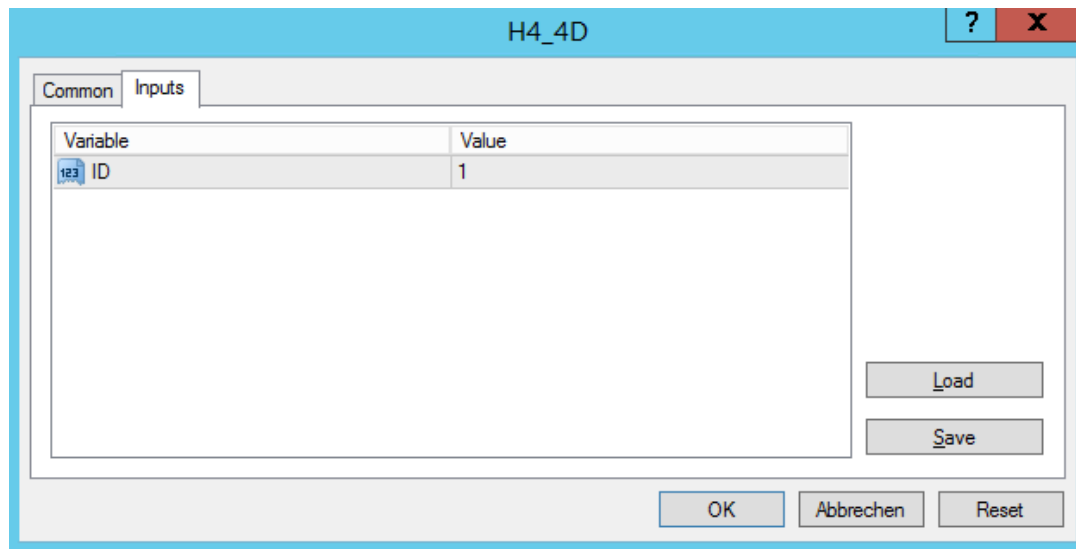
Here comes the tricky part. Please make sure you read and execute these instructions precisely.

Go to each Demo MetaTrader4 and click on → **File** → **Open Data Folder** then open folder → **MQL4** → **Experts**.

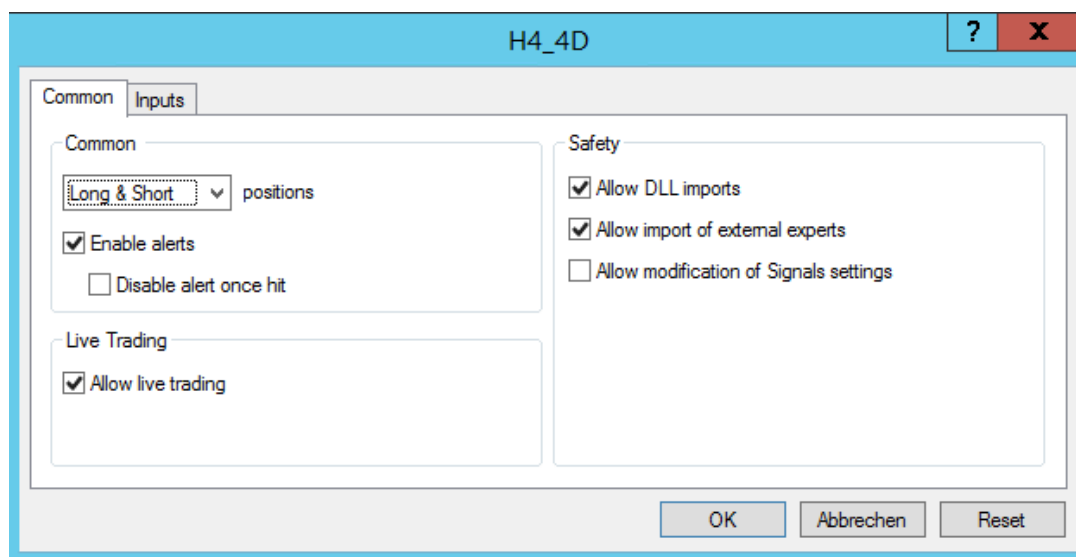
- Copy the Expert Advisor (EA) "H4_D4.ex4" into the /Experts folder.
- Close the MT4 and restart again or go to the Navigator use the right mouse button on Experts and choose "Refresh".
- Make sure the Button "AutoTrading" is activated.
- Open a EURUSD Chart and Drag and Drop the EA from the Navigator onto the EURUSD chart.
- **Start with entering ID 1, then the second broker ID 2, third broker ID 3 and so on.**
- Every time you install an EA with a new broker you should see a **"Smiley Face"** in the upper right corner of the chart.



Make sure every broker has a different ID number starting with ID 1,2,3...



These are the Common Settings of the EA:



Smiley in the upper right corner





→ Step 5: Check if Hedge4 is receiving the prices

Open Hedge4 by double clicking on Hedge4.05p.exe and click on Tab0. If you installed all EAs correctly you should be able to see prices next the the EA ID 1- 9. The Conn. Status should show "0" everything is correctly installed and working. If it shows "timeout", there may be a problem. Your broker may have different price feeds (i.e. EURUSD, EURUSD.Imx, EURUSD#, etc.) and you need to find the right one by activating all Symbols (activate Market Watch, right mouse click on Market Watch → → Show all). Your Hedge4 screen should look similar to this.

The screenshot shows the Hedge4 ADMIN PANEL with various settings like Standby, Alert active, AutoTrade activ, etc. Below the settings is a table with columns: Bid/Ask, Account No., Conn. Status, Live Spread, Time, Min. Spread, Time Stamp, Min. Cross Spread, EA Bid, EA Ask, Min. Counter Spread, and TOTAL ARB. The table lists data for EA IDs 1 through 10, showing their connection status and various spread values.

Bid/Ask	Account No.	Conn. Status	Live Spread	Time	Min. Spread	Time Stamp	Min. Cross Spread	EA Bid	EA Ask	Min. Counter Spread	TOTAL ARB
EA ID 1	712791	0 s	0.00020	02:28:32	0.00020	08.04. 02:28:32	0.00079	EA 1	EA 2	-0.00039	0.00040
Bid/Ask			1.30921	1.30941	1.30921	1.30941	0.00123	EA 1	EA 3	0.00046	0.00169
EA ID 2	5603	0 s	0.00020	02:28:32	0.00020	08.04. 02:28:32	0.00123	EA 1	EA 4	0.00046	0.00169
Bid/Ask			1.30980	1.31000	1.30980	1.31000	0.01814	EA 1	EA 5	-0.01789	0.00025
EA ID 3	7011668	0 s	0.00149	02:28:32	0.00149	08.04. 02:28:32	0.00073	EA 1	EA 6	0.00025	0.00098
Bid/Ask			1.30895	1.31044	1.30895	1.31044	0.00123	EA 1	EA 7	0.00046	0.00169
EA ID 4	139172	0 s	0.00149	02:28:32	0.00149	08.04. 02:28:32	---	EA 1	EA 8	---	---
Bid/Ask			1.30895	1.31044	1.30895	1.31044	---	EA 1	EA 9	---	---
EA ID 5	94266	0 s	0.00005	02:28:32	0.00005	08.04. 02:28:32	---	EA 1	EA 10	---	---
Bid/Ask			1.32730	1.32735	1.32730	1.32735	0.00064	EA 2	EA 3	0.00105	0.00169
EA ID 6	2088375286	0 s	0.00078	02:28:32	0.00078	08.04. 02:28:32	0.00064	EA 2	EA 4	0.00105	0.00169
Bid/Ask			1.30916	1.30994	1.30916	1.30994	0.01755	EA 2	EA 5	-0.01730	0.00025
EA ID 7	7011668	0 s	0.00149	02:28:32	0.00149	08.04. 02:28:32	0.00014	EA 2	EA 6	0.00084	0.00098
Bid/Ask			1.30895	1.31044	1.30895	1.31044	0.00064	EA 2	EA 7	0.00105	0.00169
EA ID 8							---	EA 2	EA 8	---	---
Bid/Ask							---	EA 2	EA 9	---	---
EA ID 9							---	EA 2	EA 10	---	---
Bid/Ask							0.00149	EA 3	EA 4	0.00149	0.00298
EA ID 10							0.01840	EA 3	EA 5	-0.01686	0.00154
Bid/Ask							0.00099	EA 3	EA 6	0.00128	0.00227
							0.00149	EA 3	EA 7	0.00149	0.00298

→ Step 6: Start trading with Hedge4

If everything is set up correctly you can start trading with Hedge4. Just **uncheck the Standby** checkbox (upper left corner), **activate the AutoTrade** checkbox and enter 2 or more trades. We recommend you enter 10.

Video Tutorials, Tricks and Help

→ There are additional Video Tutorials available on the website

www.hedge4.com

→ Resetting the platform, every trading day or every 100+ transactions will help the performance. <http://www.youtube.com/watch?v=Zp48ZOvQ3rM>

→ If you have difficulties to install and operate the Hedge4 Platform please send an email to info@hedge4.com



SETTINGS AND FUNCTIONALITY

1. The “Tab 0” Tab

On the middle part you can see the so called “Order-Ticket”. You can choose:

- **Broker/Account ID (1-10)** - the EA IDs that are activated shows a price.
- **Lots** - the size of your trade in Lots. The default is 0.1 Lots.
- **Set Open-Spread** – this is the arbitrage price that we are looking for. Setting it to -0,00010 means the bid of one broker must be at least 1 pip over the other brokers ask price. Normally it is vice versa. **We are looking for negative spreads to make profits.**
- **Direction** – to trade hedged you must leave this on “and”. If you choose buy or sell, it will only open one side of the transaction and you don’t want that in general.
- **Set Close-Spread** – this is the desired arbitrage price for closing the already opened positions. Setting it to -0,00010 means the bid must be 1 pip above the ask to make an instant profit.
- **MaxLoss for AutoClose** – if only one out of 2 positions open because of an error this is the maximum pips you are willing to take as an immediate loss to close the single open position. If that value is negative, it means that you don’t want any loss at all but a profit. -0,00020 would mean the system closed the position automatically when it made 2 pips profit.
- **Forced AutoClose** – if this box is checked and one of the two positions does not open due to some error, the position will be closed automatically after the “CloseTime” has passed. The **default value is 60 seconds**. Please keep this function activated until you are familiar with the system.
- **Slippage Correction** – if this box is checked the system will add additional pips to the Close-Spread to make up for slippage occurred in the Open-Spread. We **don’t recommend this to activate function** during normal trading.
- **Reset Spread Table** – this button will reset the Spread Table below.
- **Reset ARB Table** – this button will reset the ARB-Table below the Spread-Table.

On the lower part you can see the Spread Table:

- **EA ID (1-10)** – is the ID you have entered to each of the EA installed



- **Account No.** – is the account number of the broker account.
- **Connection Status** - 0 means that there is zero interruption =connected, 3 would mean it had no connection for 3 seconds, so no trades will be executed.
- **Live Spread** and the Bid Price.
- Current **Time** and the Ask Price (for the spread).
- **Min. Spread** - is the smallest spread recorded since you started the platform/last reset and the Bid Price of that spread.
- **Time Stamp** is the Time when the Min. Spread was recorded and the Ask Price of that spread.

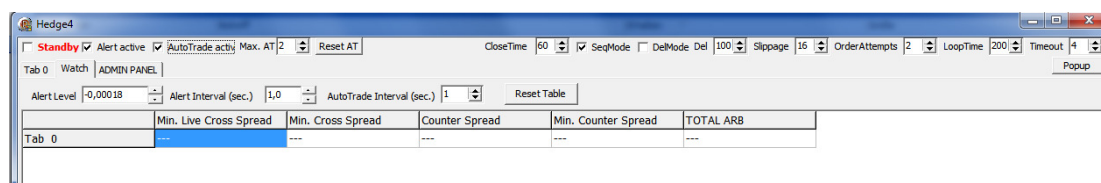
ARB-Table on the right side:

The ARB-Table shows the price differences found between each ID-combination. For example between ID 1 and ID 4. There are price differences when you open (Ask/Bid) and when you close (Bid/Ask). The more negative the number the more profit (arbitrage) we can make.

- **Min. Cross Spread** – is the largest price difference occurred between two IDs since you started or reset the platform.
- **EA Bid and EA Ask** – tells you which IDs.
- **Min. Counter Spread** – is the largest price difference found between each counter ID-combination since you started or reset the platform.
- **TOTAL ARB** – is the maximum profit (in pips) possible from that ID-combination. The more negative the number is the more profitable it is. For example: -0,00030 means 3 pips profit.

2. The Watch-Tab

Click on the **Watch Tab** and you should see something like this:



This Tab shows you the best prices found in all Tabs with all different currency pairs. Since there is only one Tab (Tab 0) you can only see one result.

Above the Watch-Table you can find:



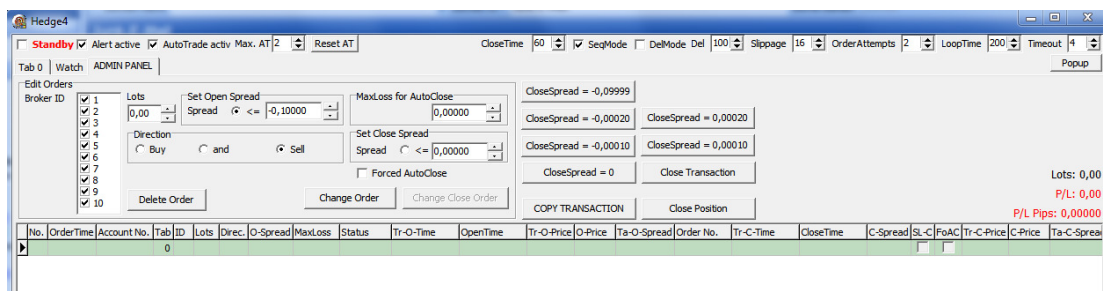
- **Alert Level** – this is the arbitrage price that you want to receive an alert for. In this example the Alert Level is set to -0,00018. This means that there is an arbitrage opportunity of 1.8 pips between 2 brokers.
- **Alert Interval** – this is the time interval that you are getting alerts. If set to 1, this means you get one alert per second.
- **AutoTrade Interval** – if you activate the AutoTrade function this setting will determine the minimum time period between single trading attempts. 1 means maximum one trade per second.
- **Reset Table Button** – this button will reset the table.

The Watch-Table is actually a summary of the best values of each ARB-Table:

- **Min. Live Cross Spread** – is the smallest spread than can be found between all activated brokers. **For profit, Hedge4 is always scanning for negative spreads.**
- **Min. Cross Spread** – is the smallest spread recorded since starting or resetting the platform.
- **Min. Counter Spread** – is the smallest counter spread (to close the position and the hedge) recorded since starting or resetting the platform.
- **TOTAL ARB** – is the sum of the maximum opening and closing profit possible since starting or resetting of the platform.

3. The ADMIN PANEL-Tab

Click on the ADMIN PANEL **Tab** and you should see something like this:



- **Edit Orders** – that is the box where you can edit existing orders that are pending or to be closed – you need to confirm your changes by clicking on “Change Order”.
- **Close-Spread Buttons** – these buttons are just a short-cuts to quickly change the set close spread (C-Spread).



- **Close Position Button** – this button will close the position you have the cursor on (see arrow on the left side) immediately.
- **Close Transaction Button** – this button will close the entire transaction (2 positions) where you have your cursor immediately, at the current price.
- **COPY TRANSACTION Button** – this button will place a new order by copying the transaction parameters where you have your cursor on.
- **Lots (on the right side)** – is the total volume added from the “Lots” column. Attention, cancelled trades are also counted if not deleted.
- **P/L** – is the total profit or loss added from the P/L column. Attention, in order to represent the real profit or loss all accounts must be in the same base currency.
- **P/L Pips** – this is the total profit and loss in pips added from the P/L Pips column. This is the most accurate form to see your profit or loss if you always trade the same volume.

Table:

- **No.** – for better orientation the rows are numbered.
- **OrderTime** – is when you or the automatic trade system entered the order.
- **Account No.** – is the account number where the transaction was made.
- **Tab** - is the Tab number. For example 0= EURUSD.
- **ID** - is the ID of the Expert Advisor.
- **Lots** – is the size of the transaction.
- **Direc.** – tells you if it is a buy/sell or both (and) order. Please leave this on “and” all the time.
- **O-Spread** – is the desired Opening-Spread.
- **MaxLoss for AutoClose** – is the maximum loss you are willing to take if of only one side of a position is opened – so that the system will close it automatically.
- **Status** – is the status of the order.
- **Tr-O-Time** – Trigger-Open-Time is the exact time when the order was placed.
- **Open Time** - is the exact time when the order was executed.



- **Tr-O-Price** – Trigger-Open-Price, is the price that the system “saw” when placing the order.
- **O-Price** – Open-Price is the price that has been executed.
- **Ta-O-Spread** – Transaction-Opening-Spread is the real/executed opening spread of the transaction.
- **Order No.** – is the Order number.
- **Tr-C-Time** – Trigger-Close-Time is the exact time when the close order was placed.
- **Close Time** – is the exact time when the close order was executed.
- **C-Spread** – is the Close-Spread that you want to achieve for your open positions.
- **SL-C** – tells you if the Slippage-Correction function was activated.
- **FoAC** – tells you if the Forced AutoClose function was activated.
- **Tr-C-Price** – Trigger-Close-Price, is the price that the system “saw” then placing the close order.
- **C-Price** – Close-Price is the price that has been executed.
- **Ta-C-Spread** – Transaction-Closing-Spread is the real/executed closing spread of the trade
- **P/L Pips** – are the total profits and losses in pips.
- **P/L** – are the total profits and losses in currency (i.e. USD).
- **Status messages:**
 - To Open** = Transaction is in place waiting to find the set Open-Spread
 - Pending** = Transaction has been send to Broker to be executed
 - Canceled** = Transaction has been cancelled
 - Close Cond.** = Open transaction is waiting for Close-Spread to be closed
 - Closed** = Transaction has been closed

4. Main Settings on Top

On the upper part of the platform you can see the following settings:

- **Standby** (is clicked) – this means the platform will not execute ANY trades until you uncheck that box. This is for protection, to check all settings before letting the platform trade.



- **Alert active** – this means that when ever an advantageous price (based on your criteria) is found in the market a pop-up window will inform you by an alert.
- **AutoTrade active** – you can let the system trade automatically or you can do it “by hand” - whatever you prefer. If the box is checked it will trade automatically, based on your criteria.
- **Max. AT** – Maximum AutoTrades is the amount of trades you want the platform to do automatically. For example, if you have a small amount of margin (capital) in your account you might want to make only 2-3 trades and then close those and do it again.
- **Reset AT** – This button resets the amount of AutoTrades to the default number. The standard default is 2. It can be changed.
- **CloseTime** – is the time in seconds after that the system will try to close a one-sided position when the hedge-position was not executed. If the system cannot close that position you have to do it manually (In the MetaTrader 4) or you can use the Forced AutoClose option that does it automatically.
- **SeqMode** – this is the more secure way to operate the platform and its execution. It will try to open the slow broker first and only after the position is open it will also open the fast broker.
- **DelayMode** – as opposed to SeqMode is a more risky way to operate the platform an execution. Please do not use this mode unless you know exactly how to do it.
- **DelayPos2** – has to do with DelayMode only.
- **Slippage** – this is the slippage that you tolerate for each trade. 10 equals 1 Pip no matter if you are a 5- or 4-digit broker. Be aware of the fact that some brokers do ignore this setting and ECN/DMA brokers will execute your market order regardless of the slippage setting.
- **Order Attempts** – this is the max. attempts that Hedge4 can use to execute an order. Accepting one re-quote would be 2 order attempts.
- **LoopTime** – this is the interval that the platform checks for new prices. 200 means 200 milliseconds.
- **Timeout** – if the last price is older than 4 seconds (default) no trades will be placed.
- **Popup** – this button brings up the notifications-window with all alerts, errors and trade confirmations.



5. Entering an Order manually

Click on Tab 0. After you set your personal price criteria just click on **“Place Order”** and then go to the ADMIN-Tab. You can see the order there waiting to be executed.

If you want the order to be executed, make sure that the Standby-button is NOT checked.

6. Automatic Trading

ATTENTION: The Automatic Trading function is crucial for trading with Hedge4 – please read this chapter and make sure you understand it.

The Automatic Trading function is like having the platform pushing the **“Place Order-Button”** for you.

The Automatic Trading function is connected to the Alert function in the **“Watch-Tab”**. This means:

- a) First you need to set your normal **“Order Ticket”** parameters in Tab 0. This means i.e. the Volume (Lots), the Open-Spread, Close-Spread, MaxLoss for AutoClose, Forced AutoClose, Slippage-Correction etc.
- b) Then activate the AutoTrade function by clicking on **“AutoTrade active”**.
- c) Also enter how many trades the system should do automatically. The default setting is Max. AT=2.
- d) Then go to the Watch-Tab and set the **Alert Level** similar or just below the Open-Spread Level. When this level is reached the platform will push the **“Place Order-Button”** automatically (with your settings).
- e) Uncheck the **“Standby-Button”** to enable the platform to execute trades.



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