



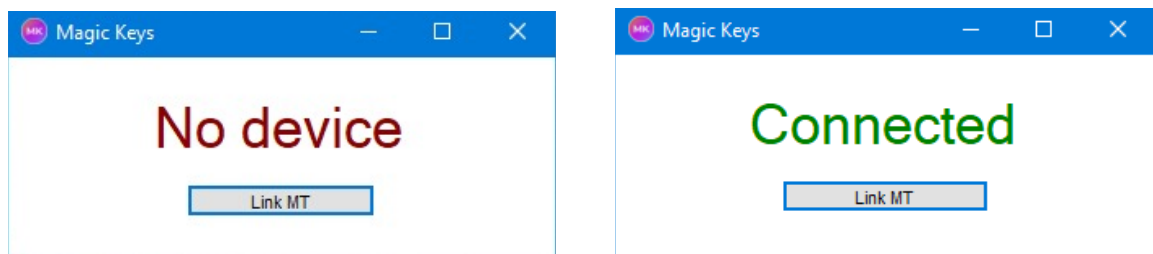
Magic Keys

Installation and Usage manual

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Software installation

1. Download contents from <http://bit.ly/getmagickeys>
 - The password to access the page is **awesome**
2. Open the zipped folder and double-click on *MagicKeys-Setup* to start the installation
3. Proceed through the guided installation process until the **Installation successful** window is shown
4. Launch the newly installed Magic Keys app from your Desktop or the Windows Start Menu



Note: if your antivirus is blocking the launch of the app, you will need to add it to the white list of app. Low level routines are used to read signals from the M.Keypad.

5. Check the status of the app
 - **NO DEVICE** means the app is unable to recognise the Magic Keypad
 - **CONNECTED** means the Magic Keypad is correctly identified

Attention: if you are on a Mac, refer to the relative section of this manual

Note: insert the USB receiver you will find on the back of the M.Keypad

Note: remember to turn on the switch on the back of the M.Keypad

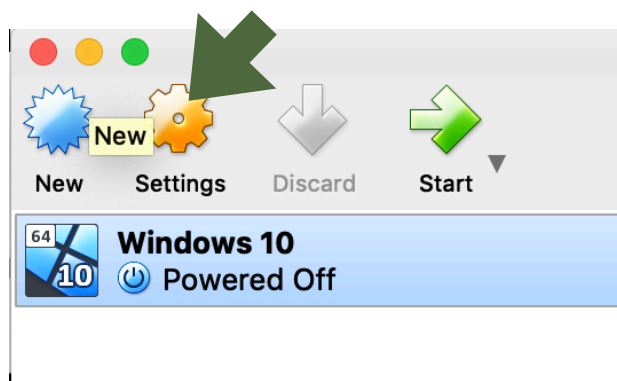
6. Now it's time to configure your platform

Mac installation - USB binding

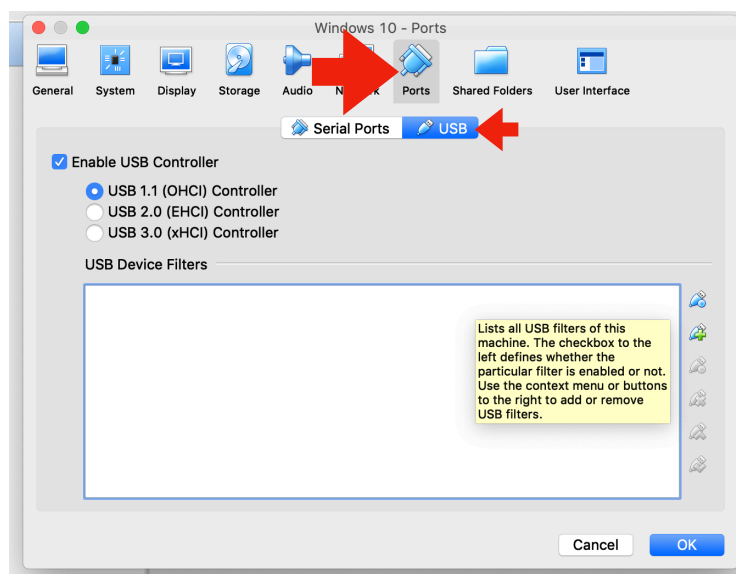
1. Perform the same steps as described in the first part of the manual
Software installation
 - On the virtual machine, you won't be able to get the **CONNECTED** status unless the USB receiver is bound directly to the Windows virtual machine
2. Proceed to the Virtual Box or Parallels subsection

Virtual Box

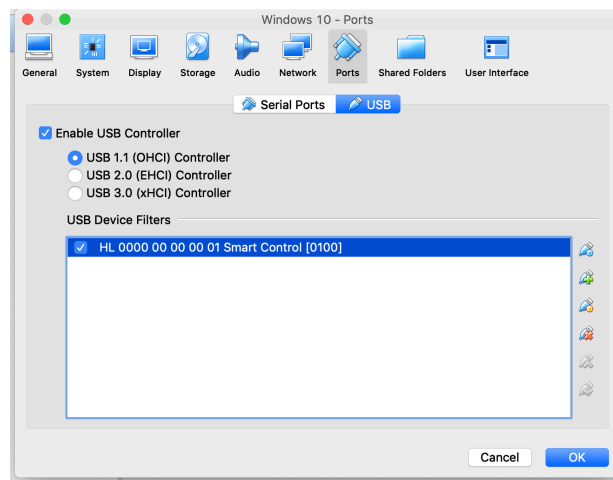
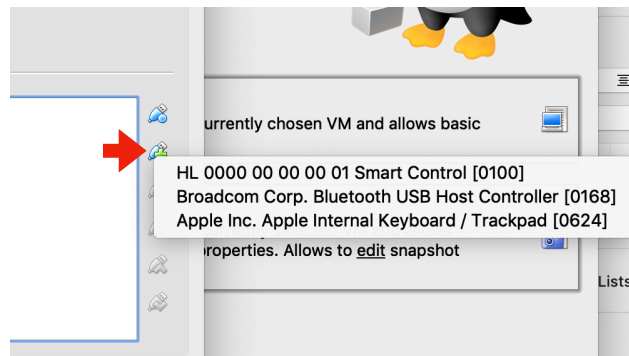
1. Ensure the USB receiver is connected to your computer
2. Open Virtual Box and, having your virtual machine shut down, open its *Settings* window



3. Select the *Ports* tab, then the USB tab



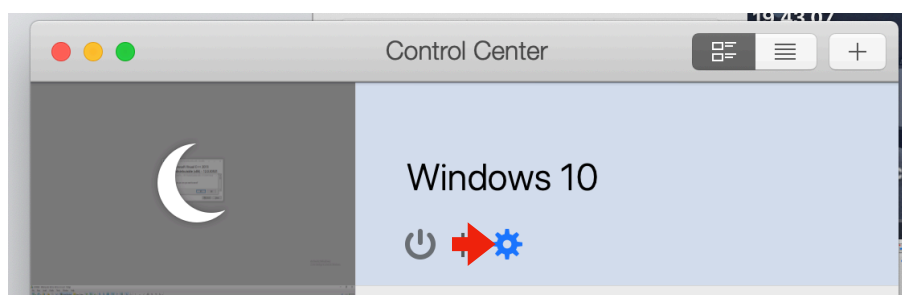
4. Press the Add button: a window showing all of your usb connected devices will appear on the screen; select the M.Keypad usb driver and add it to the device filters list



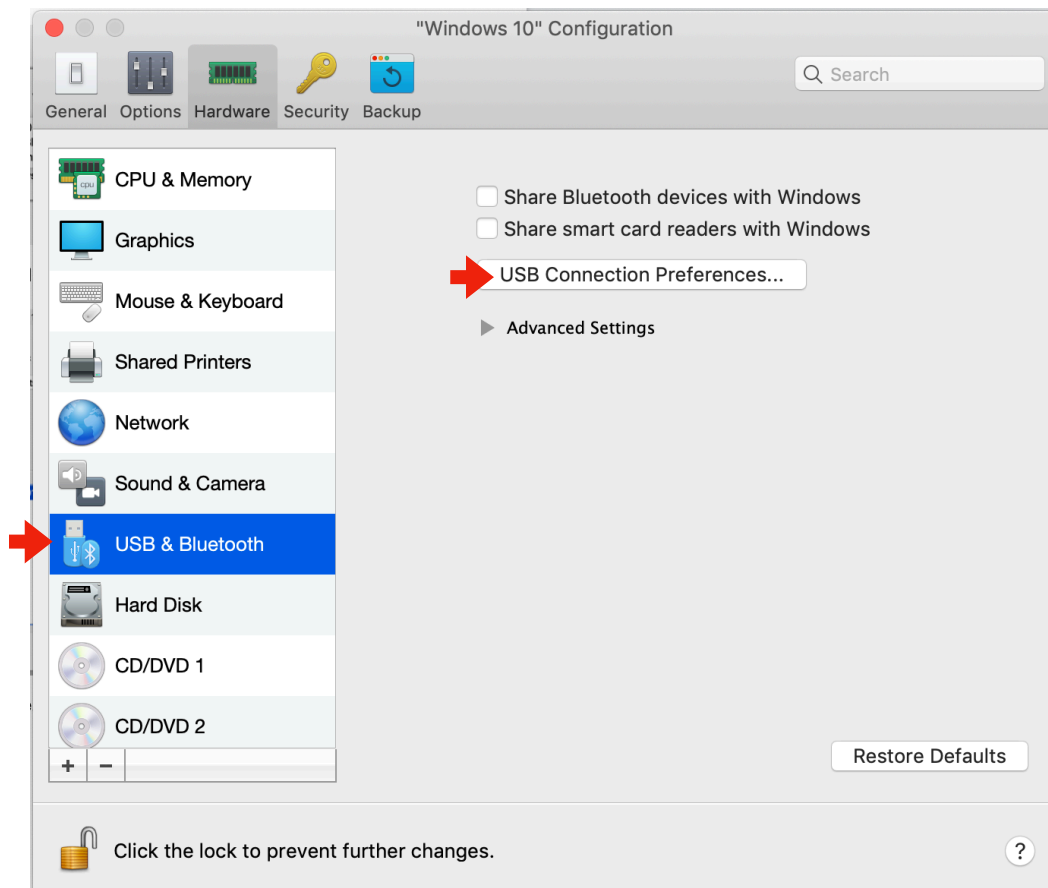
5. Start the Windows Virtual Machine; the device status on the Magic Keys App should now be **CONNECTED**

Parallels Desktop

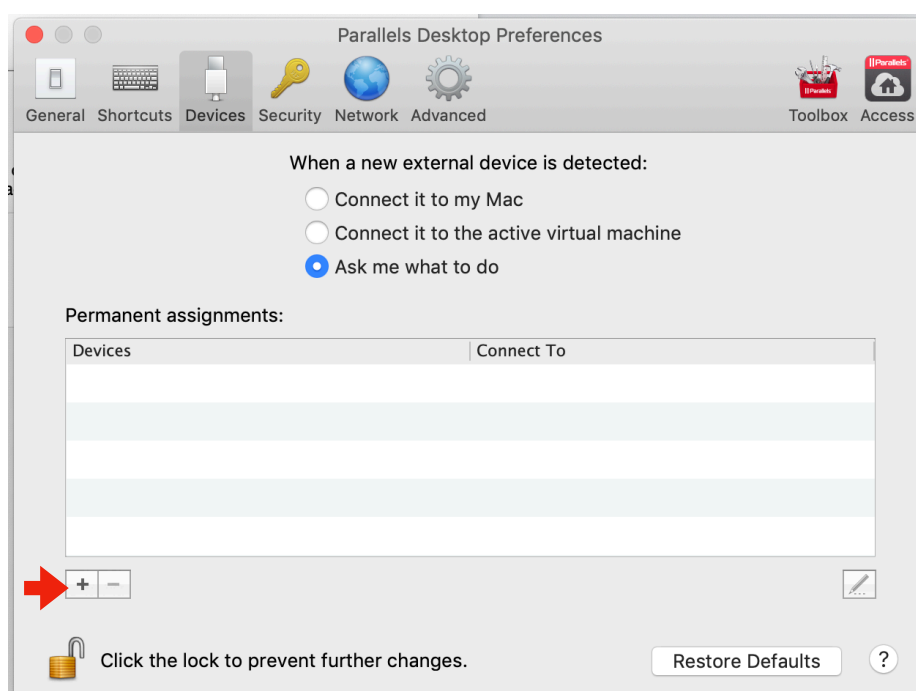
1. Ensure the USB receiver is connected to your computer
2. Open Parallels Desktop Control Center and, having your virtual machine shut down, open its *Settings* window

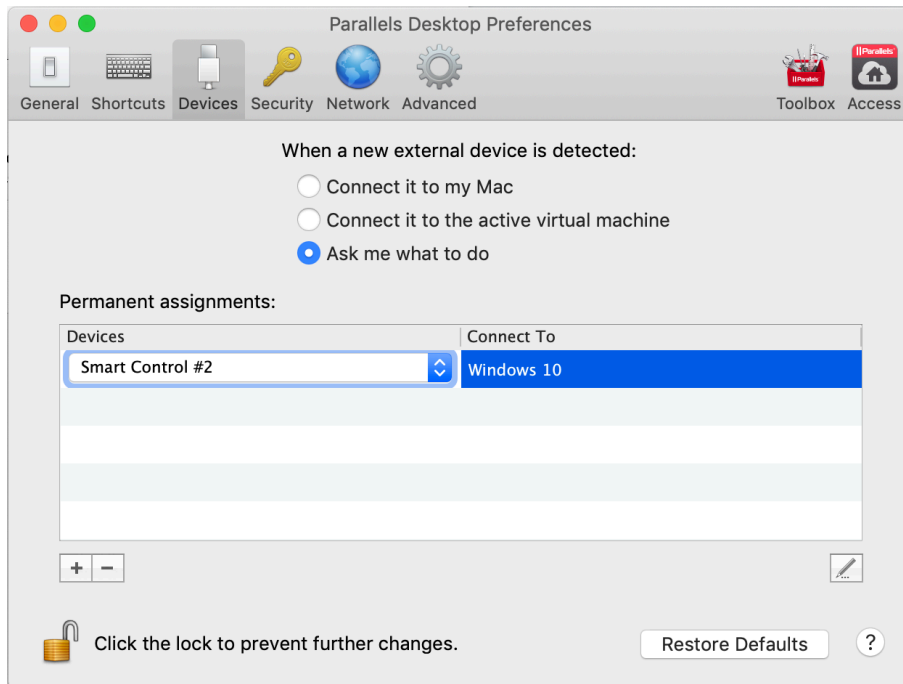


3. Select the *Hardware* tab, then the *USB & Bluetooth* tab, and ultimately click on *USB Connection Preferences*



4. You now have to add a permanent assignment by pressing the + button, selecting the USB driver and assigning it to your virtual machine





5. At this point you are ready to start the virtual machine
6. Start the Windows Virtual Machine; the device status on the Magic Keys App should now be **CONNECTED**

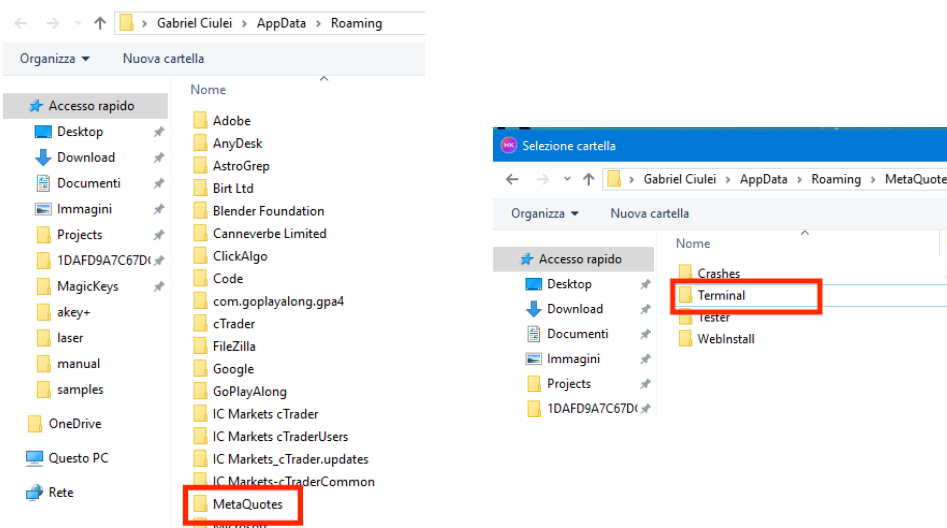
Metatrader

Linking

1. Press the *Link MT* button on the Magic Keys app; a dialog box will appear

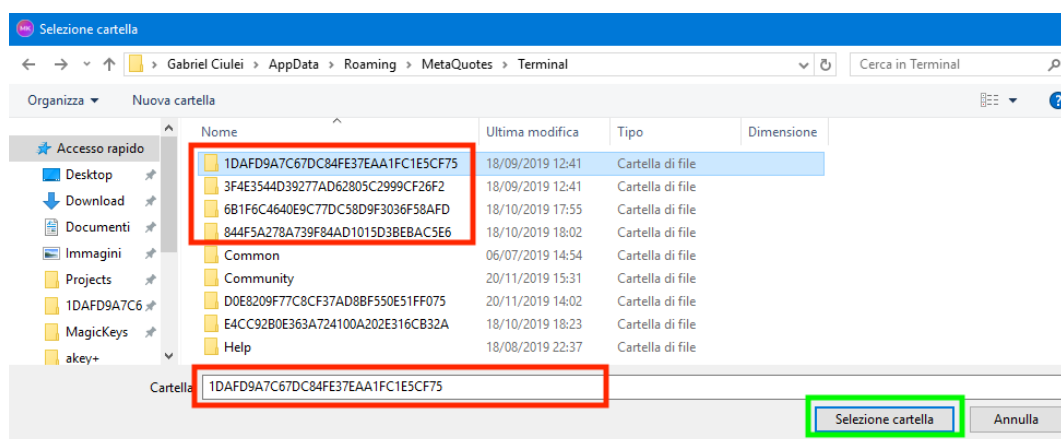


2. Enter the MetaQuotes directory; Enter the Terminal directory;



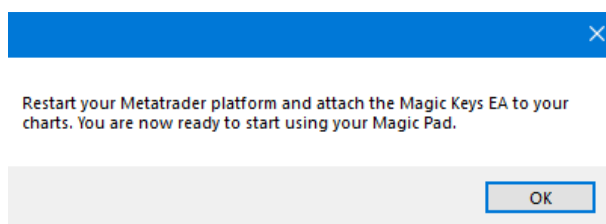
3. Select the directory that identifies your Metatrader installation

NOTE: Terminal folder is usually at the following path <User>/AppData/Roaming/MetaQuotes/Terminal. Part of this path will be automatically preselected.



NOTE: You probably have only MetaTrader Terminal folder. You can find out terminal identifier folder by pressing "Open data folder" in the File menu on MetaTrader (look at the folder path).

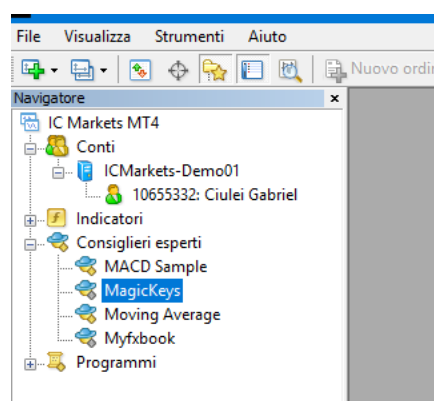
4. Selecting the correct folder will result in the following alert showing



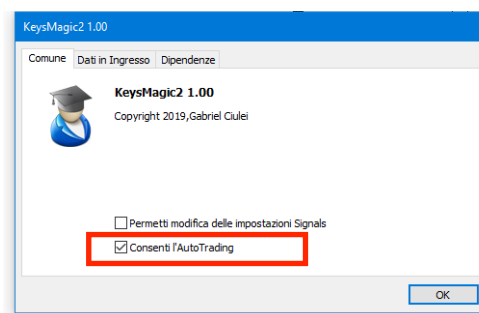
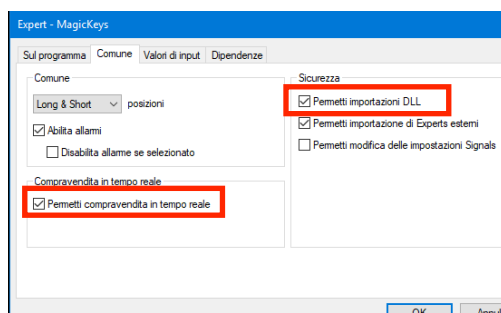
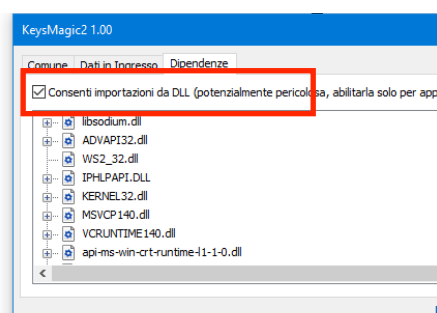
Setup

1. Open Metatrader
2. Ensure *MagicKeys* appeared under *Expert Advisors* in the *Navigator Window*

Note! Use CTRL+N to toggle the Navigator Window

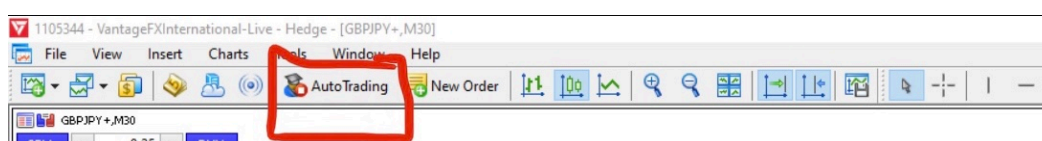


3. Open a new chart if none is open
4. Double-click or drag the MagicKeys EA to the destination chart
5. Configure the EA
 - **Enable DLL imports**
 - **Enable Auto Trading**



Note: If you want to have this checks always ticked, go to MetaTrade Options and modify the relative settings (Tools -> Options...); Tick *Allow automated trading* and *Allow DLL imports* in the Expert Advisor tab

6. Configure the input parameters to adjust the EA to your preferences
7. Press OK to proceed
8. The EA has now started and it's listening for signals from the M.Keypad
 - If everything is correct, then *Started* should appear in the top left corner of the chart and a smily face (MT4) or a green play button (MT5) in the top right corner of the chart
 - Enable Auto Trading on your account by pressing the following button if no smily face/green play button



Note: To quickly change EA settings you can press F7 on your keyboard and the parameters dialog will pop up.

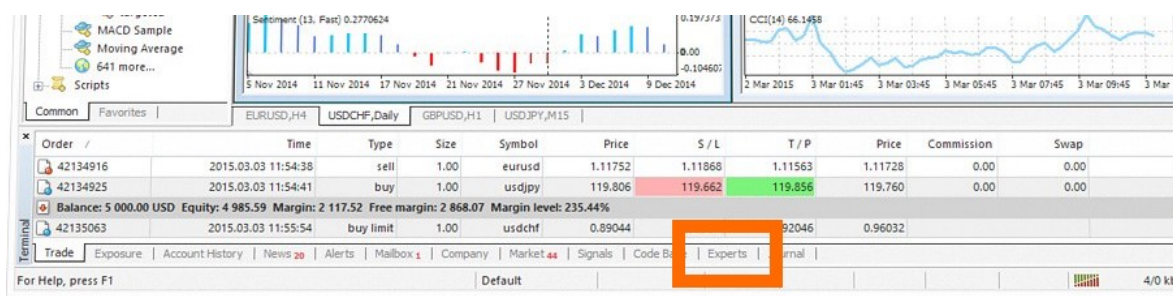
Note: For a quicker access we invite you to create your custom chart template with EA added and the parameters set as you wish. Remember that the EA will keep its state between MT platform restarts; if you do not close you charts before exiting MetaTrader you will get charts and configurations exactly how you left them.

Attention: Magic Keys EA uses only uses bid price. Make sure your charts are drew based on bid price.

Attention: Magic Keys EA is intended to be used with only one market direction per instrument (either bullish or bearish). If multiple long and short trades are present on the same symbol, behaviour might be different for some functionalities.

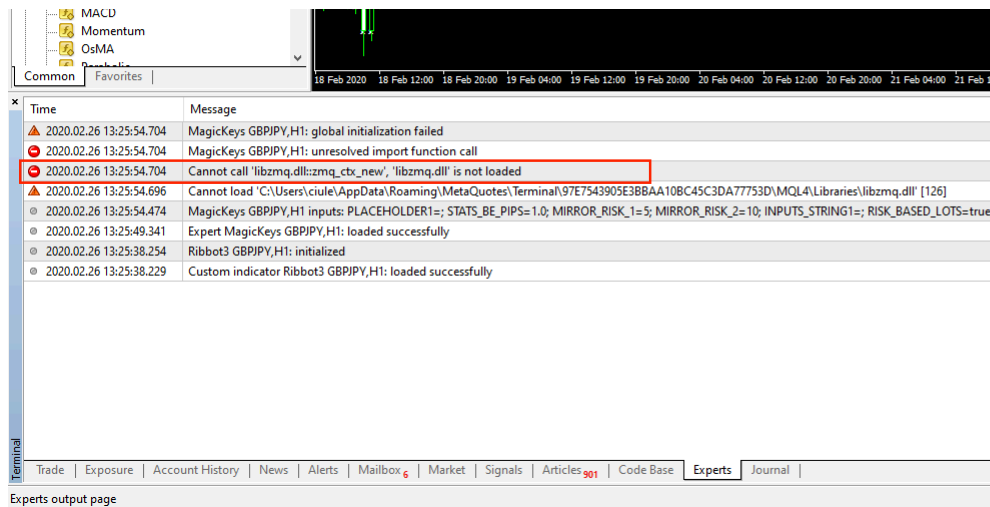
Troubleshooting

Remember! Always check the *Experts logs tab* from your terminal window to identify what is wrong

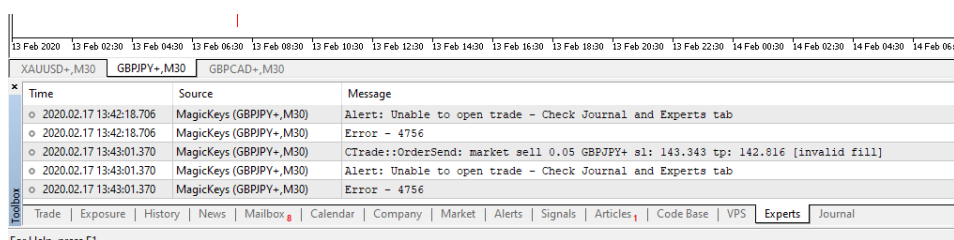


- **Cannot call "libzmq.dll"** Probably some libraries are missing from your Windows installation. To resolve the issue you should install the Microsoft official software that includes missing libraries. You can find

the installation executable inside the Extra folder. Use the one relative to your Metatrader version (vc_redist_**MT4** or vc_redist_**MT5**)



- **Error 4756** is an **INVALID_FILL error** That means you have to change the Filling Mode from the EA parameters. **Filling mode** changes the way your order is handled and it differs from broker to broker. What you have to do is go to the parameters window (right-click on chart -> experts -> Properties or just press F7) and change the filling mode to **ORDER_FILLING_IOC** or **ORDER_FILLING_FOK**



- **NUM key should be active** You need to have num key active to use the functionalities that have a direct impact on your orders. The Magic Keypad has a blue LED indicator in the top right corner (under the lock sign) which shows your Num status. It should be switched on to perform actions on trades.
- **Magic Keys app** should be open in the background and the status should be *Connected*. We advise you to use the *Auto start at startup feature*

cTrader

Installation

1. Inside the downloaded directory, under cTrader, there are two .algo files
 - MagicKeys.algo
 - MagicKeyBot.algo

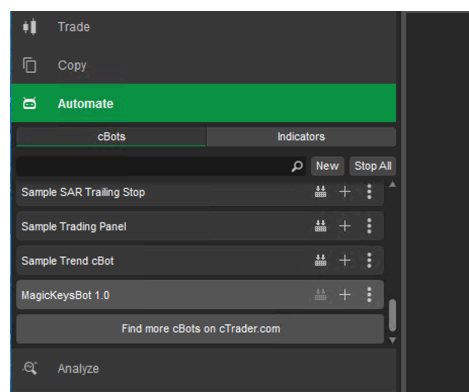
Double click on both to add them to your cTrader platform

Setup

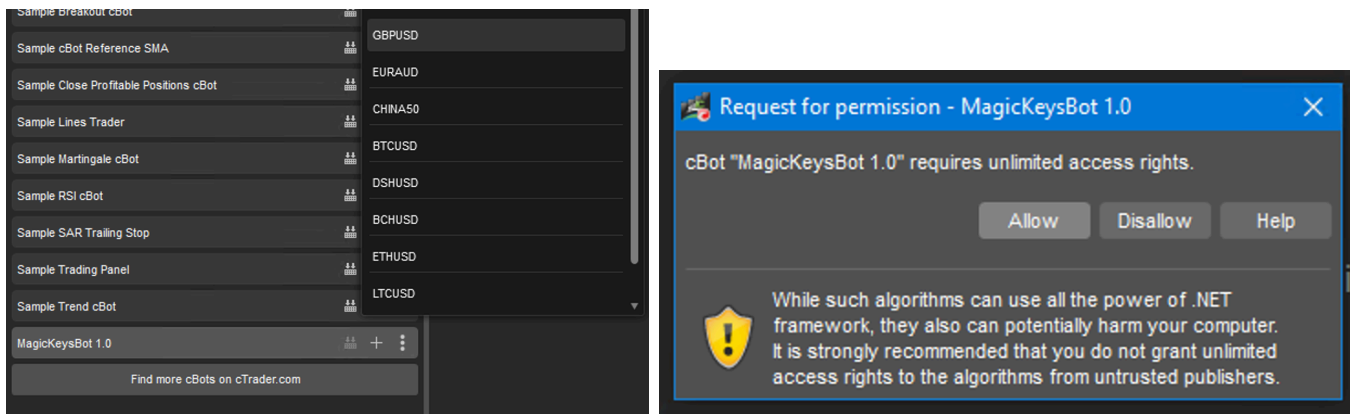
For Magic Keys to work on cTrader two distinct components are necessary:

- **The bot** which forwards the signals from the M.Keypad to the broker (one only always running instance)
- **The indicator** which has to be added to each chart

1. Open cTrader
2. From the *Automate* section, select the cBots tab, and locate **MagicKeysBot**



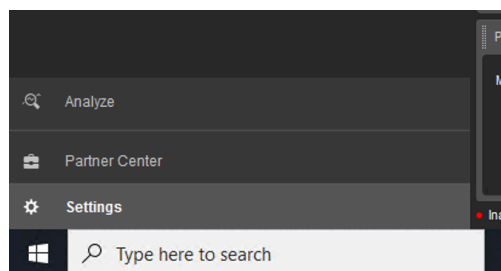
3. Press on + and select a random symbol
- Note!** Only one instance of the Magic Keys Bot should be active!
- Note!** Make sure to allow the requested permissions. These are needed to read low level signals from the M.Keypad



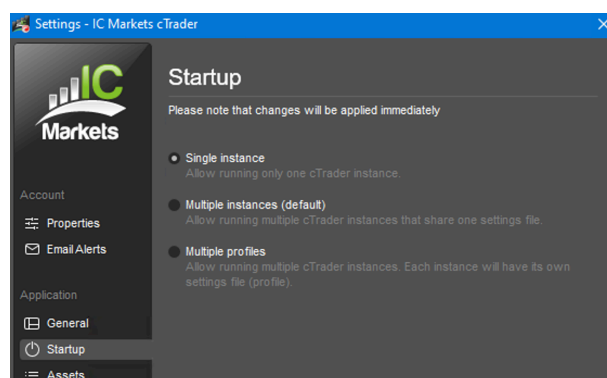
4. Press the play button to activate the bot



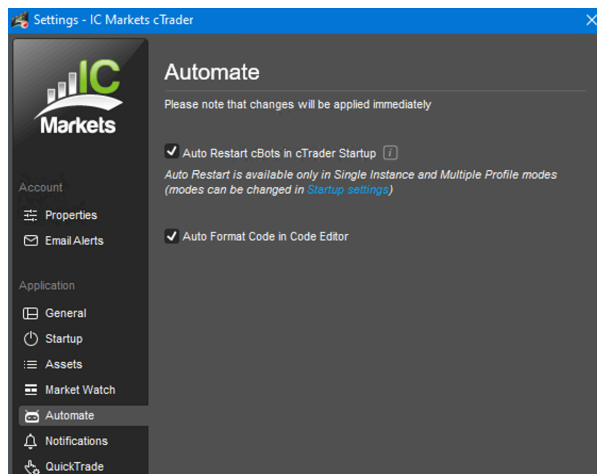
5. If the bot is not running orders will not be sent out to the broker. To ensure the bot is always running even after the platform is restarted, open *Settings*



6. Under *Startup*, select *Single instance*



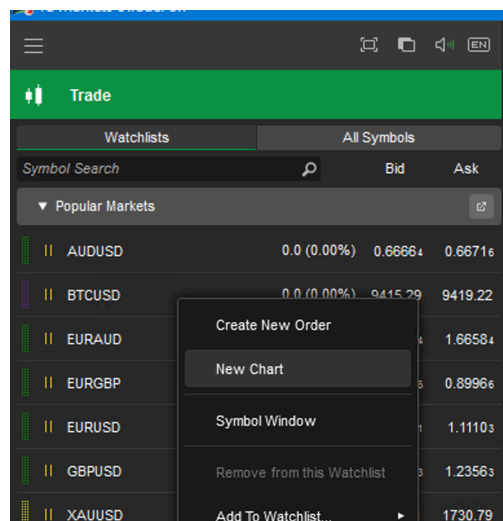
7. Under *Automate*, check *Auto Restart cBots in cTrader Startup*



Now that the cBot set up and running, you can proceed to adding the indicator on the charts. This procedure has to be repeated on each chart where you want to use Magic Keys.

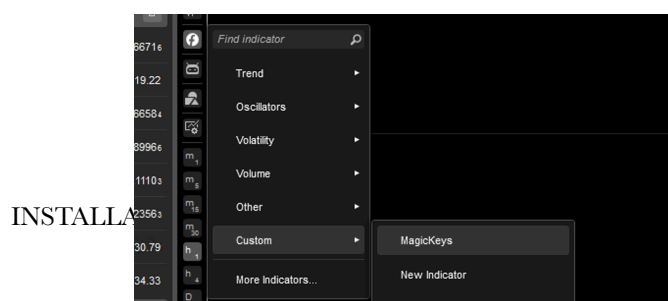
Remember that triggers like partial TP and partial SL are carried over on charts with the same symbol. Therefore, having the triggers visible on multiple charts for the same trades will mean that they are triggered multiple times when target price is reached.

8. Open a new chart or select a chart in the *Trade* section of the platform



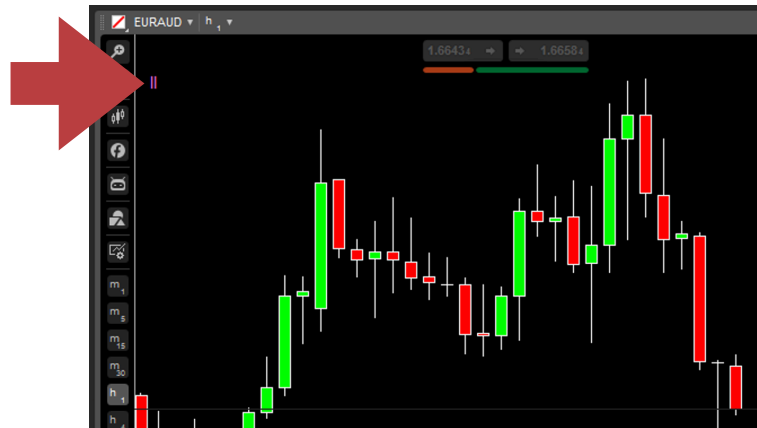
9. Add the Magic Keys indicator to the chart

- When added, a label “ALL” should appear in the bottom right corner of the chart
- Do not add the indicator multiple times on the same chart!



10. The selected chart which will get signals from the M.Keypad is indicated by the following sign:

- To select a chart, click once on it; it will stay selected until a new chart is selected



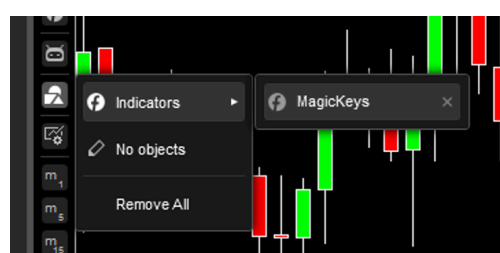
11. Press *Open Calc* to ensure everything is working

- Stop loss and Take profit lines should appear on screen
- Move to the left the chart offset to correctly see the calculator labels



Note: Restarting the platform will also result in the indicators restarting automatically. If you do not close the charts before closing cTrader, on restart everything will be ready to use immediately after the workspace is loaded.

Note: Changing of parameters is possible by editing the indicator:



Parameters

Note: some parameters might not be available on cTrader

Pips range for closed trades to be considered BE – In the STATS panel, trades will be categorised into winning, losing and breakeven. With this parameter you can customise which trades will be considered closed at breakeven based on the P/L pips from entry price.

Eg. If set to 2, a trade that has been closed with a 2 pips loss or a 2 pips profit will be considered a breakeven trade.

Exposure indication at risk % – By settings these two parameters you will get a string on your screen while placing the trade saying that you are over leveraging your account.

Use risk % of account to calculate lot size per order – Do you want dynamic lots sizing based on a risked amount of money (percentage of account balance or equity) or do you want do you want a fixed lot size for every trade?

% or risk per order – What amount of money (expressed in percentage) from your account balance do you want to risk on the trade? Values go from 1 to 100.

Should equity or balance be used for the calculation – The % amount risked on the trade should be from account balance or equity?

Fixed lot size – If not using dynamic lot sizes, this lot size will be used for each trade you open.

Min and max lots – These values are a limit to the minimum and maximum lots allowed per trade when using account percentage based risk. If set properly they prevent you from opening positions with a stop loss size tighter than usual or too large.

Max price slippage – The maximum difference between the price you want your position to be entered at and the entry price the broker is offering.

Pips in profit when SL moved @entry – Defaults at 0 which means your stop loss will be set exactly at the entry price. If higher than 0 then the stop loss level will placed that amount of pips in profit when *SL @entry* is pressed.

Pips in profit when TARGET moved @default – Defines at which amount of pips from entry the target should be moved to when the *TARGET @default* button is pressed. Remember that the target changes based on the action you are taking.

% of position to close on CLOSE CUSTOM – What percentage of your trade

position do you want to close when pressing *CLOSE CUSTOM* key. This is a value between 0 and 100.

Eg. 75 for 75% of position lots

% of position to close on when Partial TP/SL is hit – When the partial TP/SL trigger is activated, what % of the position do you want to be closed automatically?

RR to move TARGET @1:x – Defines at which risk-reward the target should be moved to when the *TARGET @1:x* button is pressed. Remember that the target changes based on the action you are taking.

Partial TP/SL initial pips distance – If you have an average/default pips amount of profit at which you take out part of your position, by setting this parameter to that pips amount you will be able to quickly activate the Partial TP/SL trigger. You can also drag the line to a specific price point.

Auto BE on partial TP – If set to true, when the partial TP price is reached, the stop loss will be automatically moved to BE.

Auto BreakEven initial pips distance – If you have an average/default pips amount of profit at which you move your stop loss to entry price, by setting this parameter to that pips amount you will be able to quickly activate the Auto BE trigger. You can also drag the line to a specific price point.

Alert on Partial TP/SL/AUTO BE hit – Do you want to be notified (on-screen alert + sound) when trigger price is reached?

Play sound when a Magic Keypad button is pressed – Auto explanatory

Placement of dynamic labels and fixed position – These will be useful for keeping the indicator labels in a place you are comfortable with

Line colors – Change them to customise your chart appearance

EA magic number – Trades opened with the Magic Keypad can be marked with a magic number value