

ThermIQ
RUNS ON
XAMPP



ThermIQ2 installation for Windows+XAMPP, version 1.50

Installation prerequisites:

1. A PC running Windows Vista or newer
2. A micro-USB power adaptor
3. An Ethernet cable
4. A ThermIQ card
5. Optional: A [Tellstick DUO](#) for RF-temperature sensors and lamp control

Configuration (expect about 30 min-1h installation time)

Help and instructions in black

Things to write down in green. You might use the table at last page

Actual commands/actions in blue

1. Start by downloading and installing XAMPP for Windows from:

<https://www.apachefriends.org/index.html>

ThermIQ is verified to work with PHP 7.2 and PHP5.6, Please make sure that you select a version that has a PHP 5 version greater than 5.3.

Use default options where applicable and install it to the default directory **C:\xampp** (Do not change this directory!!)

You might have to restart Windows at this point to complete the XAMPP installation.

2. Open a windows Powershell window by clicking on the Windows flag and then by typing "Powershell" either on the "Run:"-line or in the search tools. A dos window will not work!
3. In the Powershell command line, copy and paste one line at a time from below:

```
mkdir c:\tmp
cd c:\tmp
$c = new-object System.Net.WebClient
$c.DownloadFile("http://www.thermiq.net/getThermIQ2.php?setup=windows","c:\tmp\setup.bat")
.\setup.bat
```

Note down your IP-Address

4. Connect the ThermIQ card to your PC and install drivers

Windows 10:

No special driver is required since Windows 10 have a generic drivers that works with ThermIQ. When you plug in the ThermIQ-card a COM: port and a Thumb-drive will be automatically identified. Use the device manager to figure out the number of the new COM-port and write it down below (i.e. COM3:)

Previous Window versions:

The ThermIQ card requires a Windows driver to be installed. The driver is included in the “ThermIQ software package for windows” and can be found in folder “C:\Xampp\ThermIQ_Windows\”

Start with connecting the ThermIQ to the PC and wait for Windows to open up the found new hardware dialog. Select “Search and install”. Windows will now search for but not find any suitable drivers.

You will now get the option to point to where the driver is located. Choose folder “C:\Xampp\ThermIQ_Windows\”. and install it even though it’s not “Windows-certified”. In Windows 8 and 8.1 this is only possible if you restart with “Driver Signature Check Disabled”. See below for an example on how to do that.

When done, a new window will appear with “ThermIQ Composite Port”. ThermIQ should now be properly installed and ready to use. A new USB-thumb drive should appear as well as a new COM-port. Use the device manager to figure out the number of the new COM-port and write it down below(i.e COM3:).

The driver is unsigned and needs some special steps when installing it in Windows 7 or Windows 8/10.

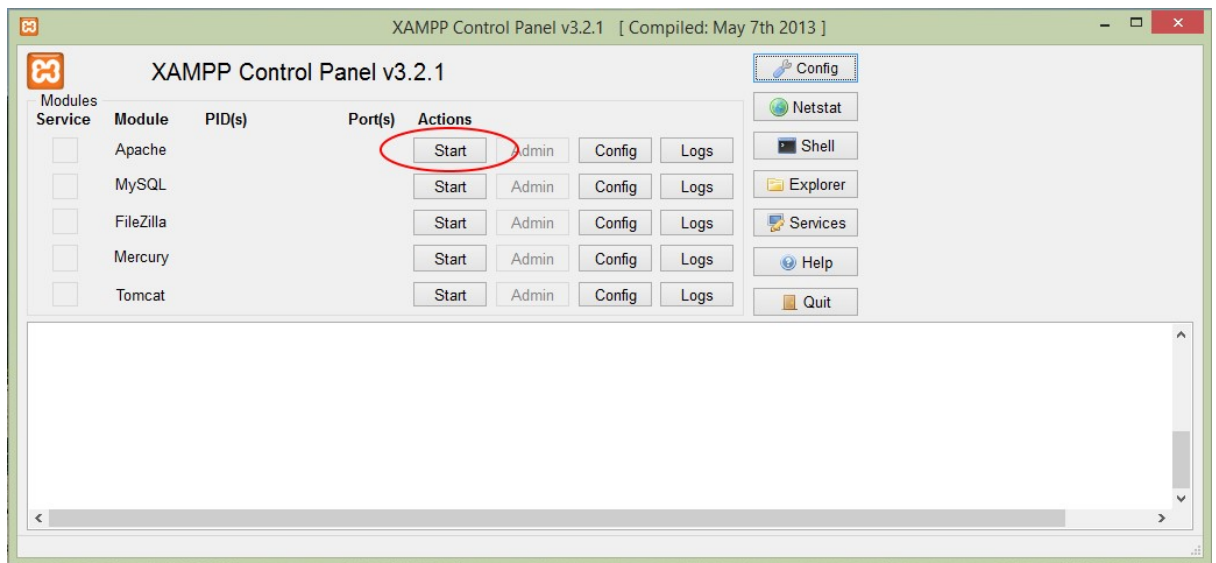
Windows 7:

One method is to continuously press F8 when Windows is booting up until you get the Advanced Boot Options menu, then select “Disable Driver Signature Enforcement”. Continue into windows and install the driver.

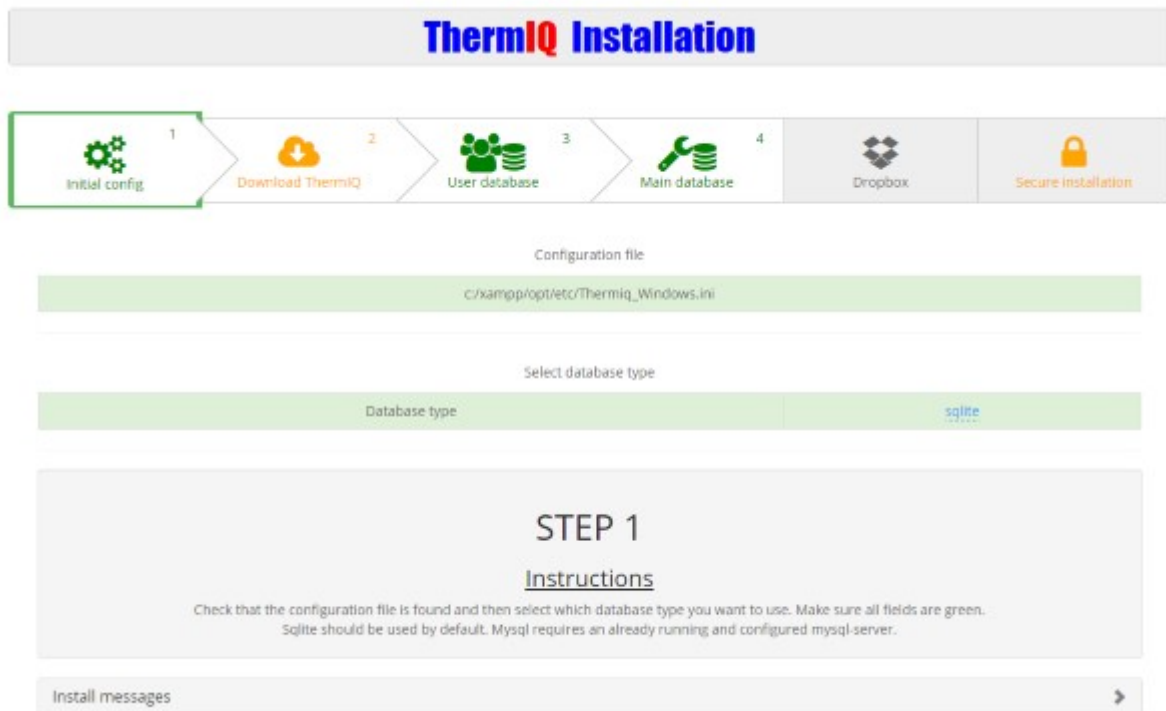
Windows 8:

One proven guide can be found at <http://www.howtogeek.com/167723/how-to-disable-driver-signature-verification-on-64-bit-windows-8.1-so-that-you-can-install-unsigned-drivers/>

5. Now it's time to open the XAMPP Controlpanel and start Apache



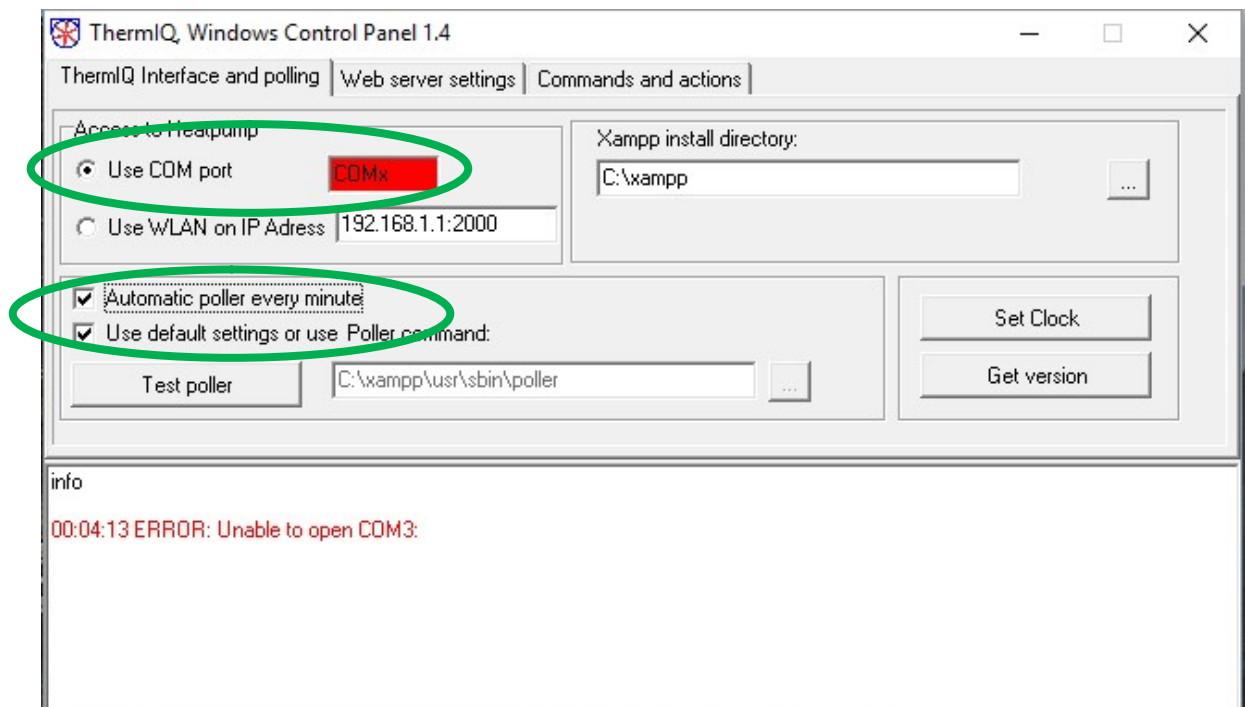
6. Open link: <http://127.0.0.1/install/install.php> in a web-browser
A page like this will open:



Follow the steps 1-4 shown in the browser to complete the installation until all items are green, write down your data in the table below. Here you can also setup a Dropbox backup account and secure the installation page with a password.

Bullet	Step	Key	Value
3	1	Server IP Address	
4	1	Com-port	
6	2	Order email	
6	2	License key	
6	3	Administrator login name	
6	3	Administrator login password	
6	6	Installation username	
6	6	Installation password	

7. You should now have a new Icon on your Windows Desktop called “Thermiq ControlPanel”. Click it and you should see something like this:



Fill in the right COM-port from above and make sure both tick-boxes are checked. The Control-panel must always be running in order for ThermIQ to collect data.

8. Connect the ThermIQ board to the heatpump, place the PC close to the heatpump and connect the PC to your network. More instructions at: www.thermiq.net/installation2.pdf
9. Open link: <http://ip-address/> in a web-browser with the IP address from step 3
 Login with:
- User: as given during Bullet 6, Step 3
 - Password: as given during Bullet 6, Step 3

- c. Check the different settings in the right corner drop down menu
- d. Select "[Poller settings](#)" and configure what devices to collect data from
- e. Select "[Widget settings](#)" and enable the widgets you want to see on the home page

Done 😊

Note, if you want to access your ThermIQ remotely, you can open your router/firewall using “port forwarding” for the ip-address and port above. But please be aware of the potential security risks this enables.

Now is a good time to check out the XAMPP home page at <http://www.apachefriends.org> where there's a lot of information available especially in the forum i.e :

- How to secure your XAMPP from intruders.
- How to setup a free dynamic ip service if you want your PC to be easily accessible from the internet

and don't forget to check out the ThermIQ forum at www.ThermIQ.net