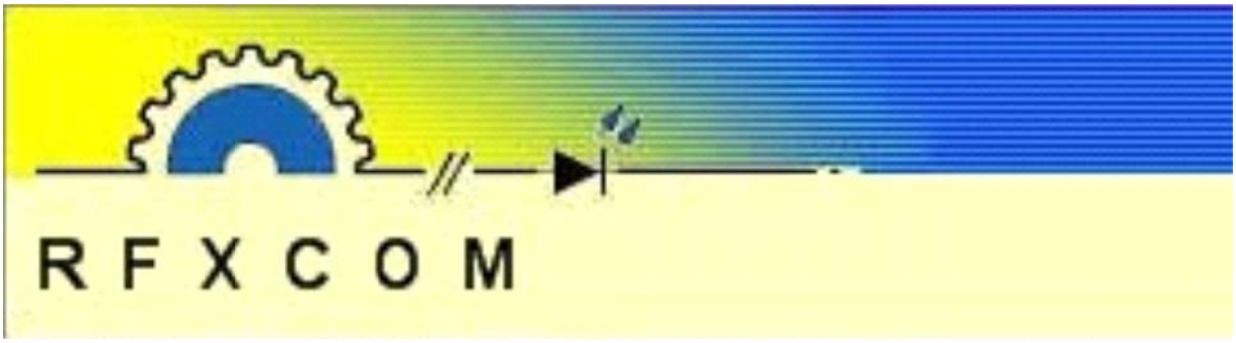


Quick Start HomeAutom8

www.rfxcom.com

1. Index

2. Instructions for the RFXLAN transmitter (RFXmitter is in the next chapter)

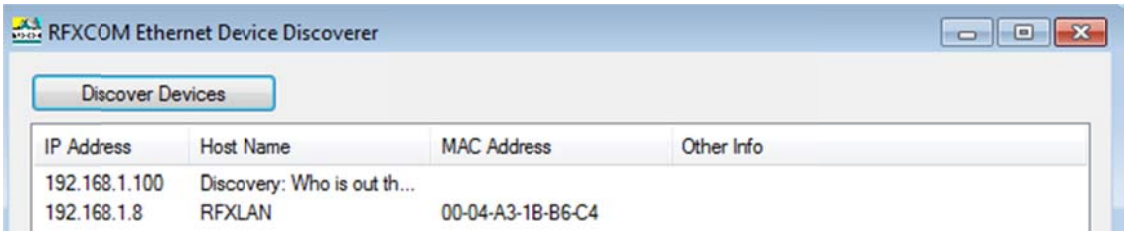
2.1. *Introduction.*

With the use of HomeAutom8 and an RFXCOM transmitter you will be able control your home using your iPhone and control:
HomeEasy, KlikAanKlikUit, NEXA, Chacon, ByeByeStandBy, X10 and Harrison electrical curtains.

2.2. *Setup of the transmitter*

Plug your RFXCOM LAN transmitter into a mains socket and into a spare port on your router using the RJ45 cable.

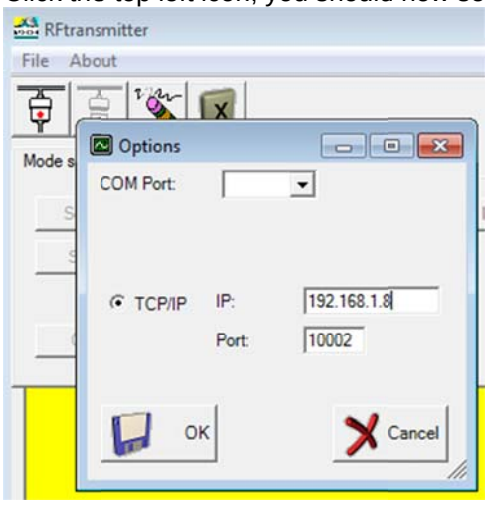
Run RFXCOM Ethernet Device Discoverer (on the RFXCOM CD). You should now have a screen that looks like this:



Make a note of the IP address listed for your RFXLAN transmitter (192.168.1.8 in this example).
If use a DHCP assigned IP address in the RXLAN it is possible that the DHCP server assigns another address after you have switched of the RFXLAN and switch it on again.

See the documentation of your DHCP server (in most cases your router) how to assign a fixed IP to the MAC address of the RFXLAN (00-04-A3-1B-B6-C4 in the example above)
Or configure a fixed IP address in the RFXLAN. See the RFXCOM RFXLAN documentation and check your DHCP router that it will not assign the IP address you configure in the RFXLAN to another device.

Now that you have the IP address of your RFXLAN, install and run RFtransmitter.exe (also on the RFXCOM CD).
Click the top left icon, you should now see this:



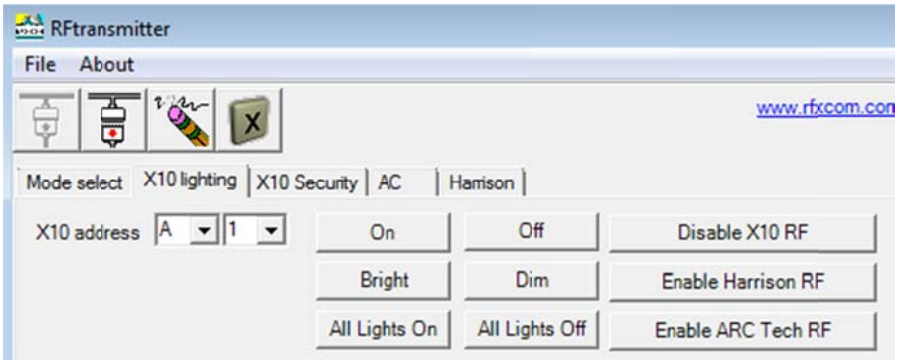
Enter your transmitters IP address in the IP box. The port number should be left 10002.

2.3. *Initialize the transmitter*

Enable the HomeAutom8 checkbox.
Select the button ‘Select RFXCOM mode, no receiver connected’.
The transmitter should respond with an ACKnowledge '37'.

2.4. *Connect modules with address wheels*

If you have HomeEasy, KlikAanKlikUit, NEXA, Chacon or ByeByeStandBy devices with the address wheel style identification, go to the X10 lighting tab and select ‘Disable X10RF’ and after that 'Enable ARC Tech RF'.

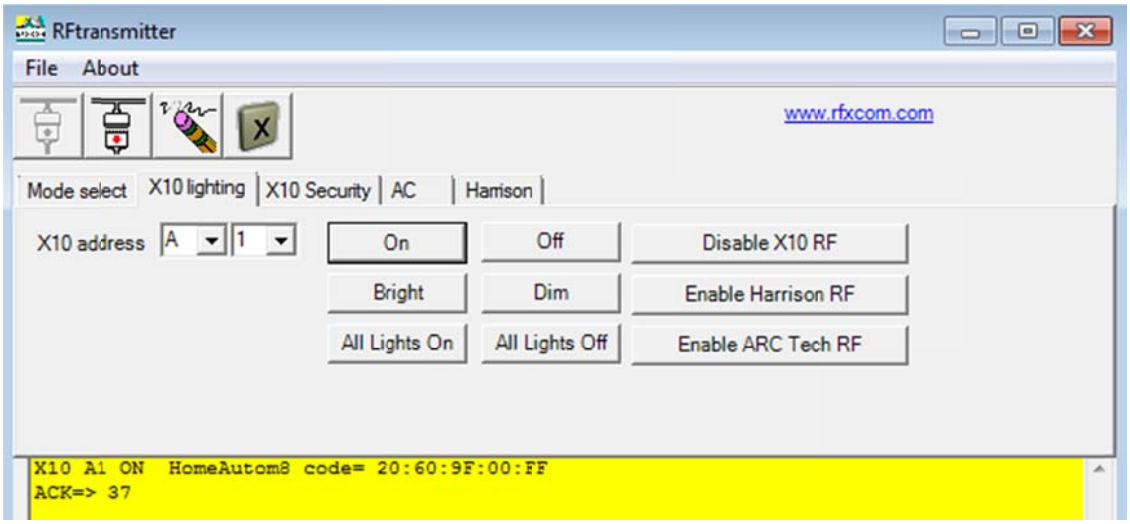


This ARC mode is the mode used for older products with address wheels and BBSB.
The ARC mode can also be used for the new modules with program button when you want to control this module with ARC codes (A-P/1-16). But in this ARC mode you cannot set dim levels of the new units and only use dim levels using 2 ON commands and a dim cycle.
You should now be able to switch these types of units ON and OFF on the X10 lighting tab.

2.5. *Connect modules with program button*

If you have the newer AC type HomeEasy, KlikAanKlikUit, NEXA or Chacon devices with learn button, go to the AC tab and select the device to control in Device and Unit.
Note: Do not use a Device code 0 00 00 00!
If you do not have an AC unit paired yet with RFtransmitter you can do now. For example set Device to 2 03 14 02 and Unit 1, press the program button on the AC unit and press On in RFtransmitter. The HE unit should respond with clicking On/Off and is paired now with Device 2031402 Unit 1 and can be switched On/Off and a dim level 1 to 16 can be set.

Now you should be able to control all of your devices using the RFtransmitter program. You need to make a note of all of the codes that the program uses to switch your devices on and off. For example, if you have an older address wheel plug in unit with the x10 address A1 and you switch it on using the program the code '20:60:9F:00:FF' appears in the yellow box below. So now for example write down: Lounge Lamp 'ON': 20:60:9F:00:FF. You will also need to write down the 'OFF' command in this case: 20:60:9F:20:DF.



The same applies if you are switching using the newer AC products. You need to do this for all of the devices you wish to control using the HomeAutom8 service.

3. Instructions for the RFXLAN RFXmitter

3.1. *Introduction.*

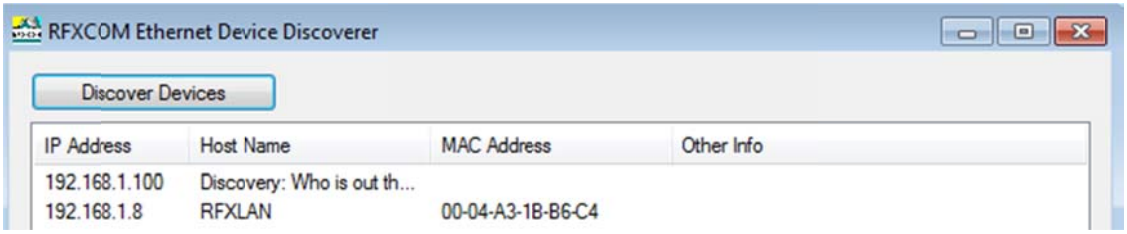
With the use of HomeAutom8, the RFXCOM RFXmitter can control:
HomeEasy, KlikAanKlikUit, NEXA, Chacon, ByeByeStandBy, X10 and Harrison electrical curtains.
And also Waveman, Flamingo, Koppla and X10 Ninja/Robocam.
And ATI and Medion remotes can be simulated.

ATI Plus is not supported by HomeAutom8.
Mertik is not supported by the RFXmitter.

3.2. *Setup of the RFXmitter*

Plug your RFXCOM LAN RFXmitter into a mains socket and into a spare port on your router using the RJ45 cable.

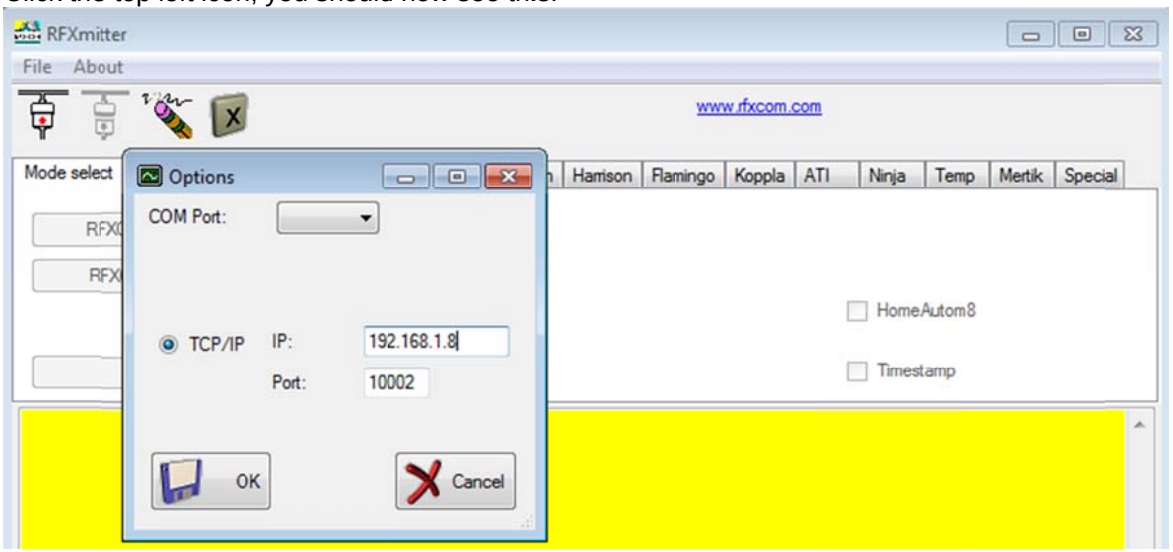
Run RFXCOM Ethernet Device Discoverer (on the RFXCOM CD). You should now have a screen that looks like this:



Make a note of the IP address listed for your RFXLAN transmitter (192.168.1.8 in this example).
If use a DHCP assigned IP address in the RXLAN it is possible that the DHCP server assigns another address after you have switched of the RFXLAN and switch it on again.

See the documentation of your DHCP server (in most cases your router) how to assign a fixed IP to the MAC address of the RFXLAN (00-04-A3-1B-B6-C4 in the example above)
Or configure a fixed IP address in the RFXLAN. See the RFXCOM RFXLAN documentation and check your DHCP router that it will not assign the IP address you configure in the RFXLAN to another device.

Now that you have the IP address of your RFXLAN, install and run RFXmitter.exe (also on the RFXCOM CD).
Click the top left icon, you should now see this:



Enter your RFXmitters IP address in the IP box. The port number should be left 10002.

3.3. *Initialize the RFXmitter*

Enable the HomeAutom8 checkbox.
Select the button 'Select RFXCOM mode, no receiver connected'.
The RFXmitter should respond with an ACKnowledge '37'.

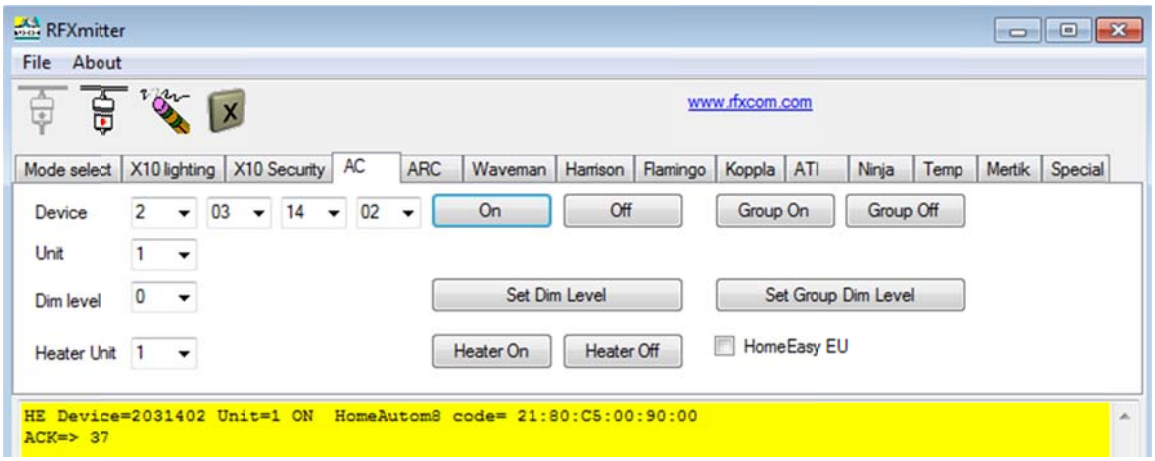
3.4. *Connect modules with address wheels*

If you have HomeEasy, KlikAanKlikUit, NEXA, Chacon or ByeByeStandBy devices with the address wheel style identification, go to the ARC tab.

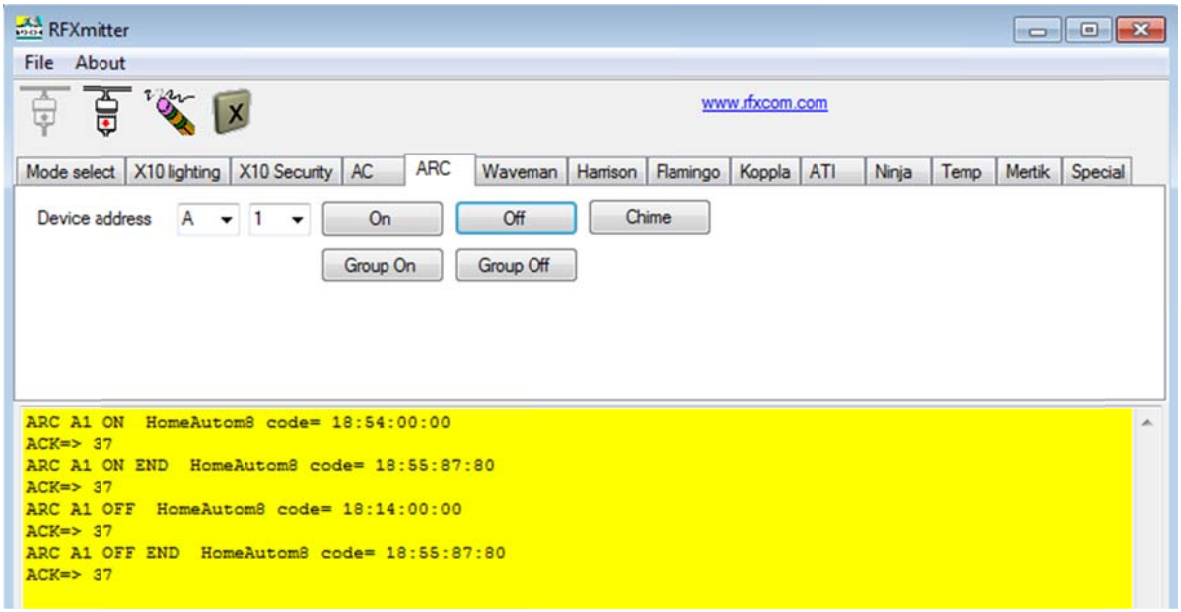
This ARC mode is the mode used for older products with address wheels and BBSB.
The ARC mode can also be used for the new modules with program button when you want to control this module with ARC codes (A-P/1-16). But in this ARC mode you cannot set dim levels of the new units and only use dim levels using 2 ON commands and a dim cycle.
You should now be able to switch these types of units ON and OFF on the ARC tab.

3.5. *Connect modules with program button*

If you have the newer AC type HomeEasy, KlikAanKlikUit, NEXA or Chacon devices with learn button, go to the AC tab and select the device to control in Device and Unit.
Note: Do not use a Device code 0 00 00 00!
If you do not have an AC unit paired yet with RFXmitter you can do now. For example set Device to 2 03 14 02 and Unit 1, press the program button on the AC unit and press On in RFXmitter. The HE unit should respond with clicking On/Off and is paired now with Device 2031402 Unit 1 and can be switched On/Off and a dim level 1 to 16 can be set.



Now you should be able to control all of your devices using the RFXmitter program. You need to make a note of all of the codes that the program uses to switch your devices on and off. For example, if you have an older address wheel plug in unit with the address A1 and you switch it on using the program the code '18:54:00:00' appears in the yellow box below. So now for example write down: Lounge Lamp 'ON': 18:54:00:00. You will also need to write down the 'OFF' command in this case: 18:14:00:00.
Note: the ON END and OFF END commands are not used.



The same applies if you are switching using the newer AC products. You need to do this for all of the devices you wish to control using the HomeAutom8 service.

4. Transmitter IP Address assignment in HomeAutom8 Property.

For local use of the iPhone or the HomeAutom8.exe test application with a direct connection to the LAN/WLAN you create a property in the HomeAutom8 configuration and assign the IP address of the RFXLAN.

For remote use you enter the IP address of your Internet connection (IP address of your router on the Internet side). And configure port forwarding in your router for port 10001 to 10002 for the IP address of the RFXLAN.
See the instruction guide of your router how to configure port forwarding, sometime called NAT or Virtual Servers Setup.

5. Instructions for the USB transmitter / USB RFXmitter

5.1. *Introduction.*

The USB RFXmitter and transmitter functionalities are equal to the RFXmitter and transmitter in an RFXLAN interface.
The difference is how to connect these devices from a network. The RFXLAN can operate with HomeAutom8 without a PC running while the USB needs a PC.

Tcp2com.exe allows users of the homeautom8 system to utilize a USB RFXCOM unit. It does this by relaying network traffic (TCP/IP traffic) to the COM port the USB unit is present on, and visa-versa. Tcp2Com is compatible with Windows, Max OSX, Linux, UNIX and BSD.

5.2. *Installation of the USB transmitter/RFXmitter.*

Get the Tcp2Com.exe program from the download page at:
http://www.homeautom8.com/iAutomate/index.php

Save the Tcp2Com.exe program into a directory of your choice on the system that has the RFXCOM USB connected.

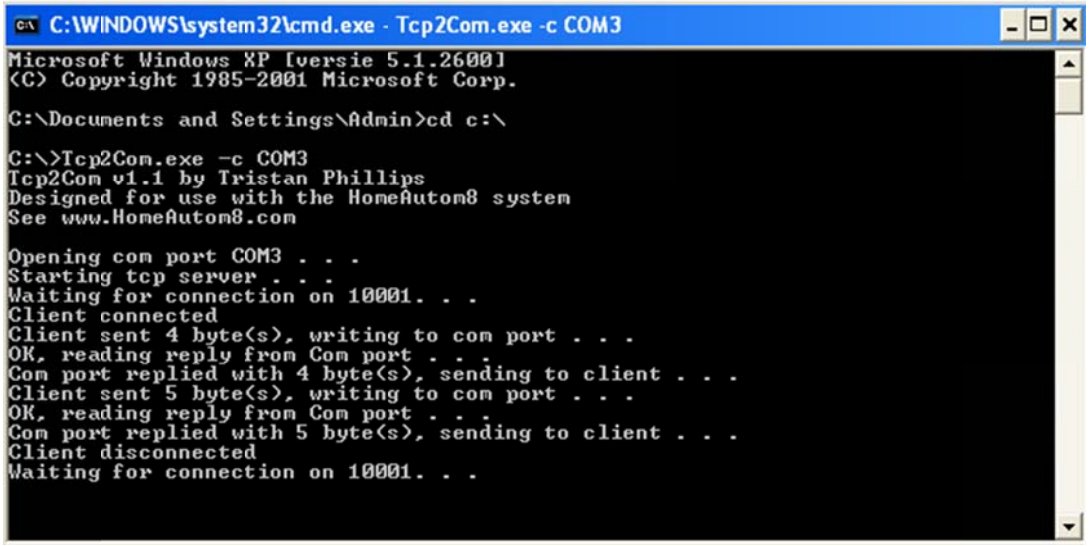
You will need to know:

1. The Windows COM port or Unix file device that the RFX unit is present on.
   In Windows, check the device manager, in other operating systems you can use dmesg (> dmesg). For this guide we will assume it is COM3 in Windows and /dev/ttyUSB1 in other operating systems.
2. The IP address of the machine the USB unit is connected to. In windows this can be found by typing “ipconfig” into a command prompt, in other operating systems use “ifconfig”.

5.2.1.Usage on Windows

To test Tcp2Com

1. Open a command prompt by clicking start then run or pressing Windows+R, then type ”cmd” and press return. (without quotes)
2. Change directory to where you downloaded Tcp2Com.exe.
   For example if this is c:\ type cd c:\ and press return
3. Run Tcp2Com and point it at the com port where the RFXCOM unit is present.
   Tcp2Com.exe –c COM3
4.



To start Tcp2Com automatically during system startup:

1. Open the Windows Explorer and right click on the Tcp2Com.exe file.
   Make the selection to create a shortcut on the Desktop.
   Press and keep the left mouse button on the Tcp2Com icon at the desktop and move the cursor to Start – All Programs – Startup. Release the mouse button in the area where the contents of Startup is shown, this will move the Tcp2Com link to the startup folder.
2. Go to Start – All Programs – Startup and right click on Tcp2Com and select properties. Edit the text in the field Target on the Shortcut tab to: c:\Tcp2Com.exe –c COM3

Notes:

- Change the path if Tcp2Com is in another directory than c:\. For example if you have saved Tcp2Com.exe in the directory C:\Program Files you have this: C:\Program Files\Tcp2Com.exe –c COM3.
- Assign your COM port used! In the example above COM3 was used.

3. Select at Run: Minimized.
4. Click OK to save the Properties.

Linux / Mac OSX / BSD / Unix

- Ensure Mono is installed.
> mono

- If it is not, install it from http://www.go-mono.com/mono-downloads/download.html

- Download tcp2com.exe and save it in an appropriate location, let's assume it is in ~/Downloads/Tcp2Com.exe

- Open a terminal. In Linux you may already be on a terminal. In OS X it I can be found in Applications > Utilities >Terminal

- Run Tcp2Com and point it at the correct device file

> mono ~/Downloads/Tcp2Com.exe –c /dev/ttyUSB1

All operating systems
You should see the program open the COM port and wait for connections on port 10001

You can test that tcp2com is working correctly using the RFXmitter.exe or RFtransmitter.exe test tools. Simply follow the instructions as you would if you had a network transmitter, that is connect to the RFXCOM device using TCP, enter your IP address and port of 10001. Try sending commands.

You can see all command line options available to Tcp2Com by running it with a -? Switch

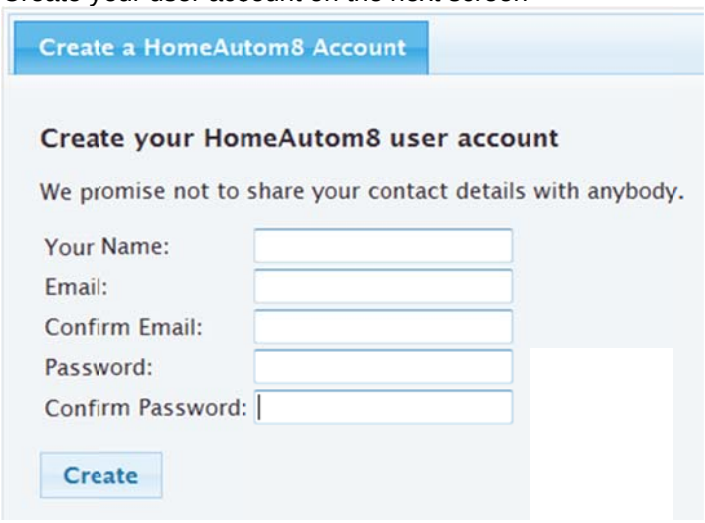
All options can be ignored apart from –c which must specify the COM port or device file as described above.

From here on follow the instructions for the RFXLAN transmitter or RFXLAN RFXmitter in the previous chapters.

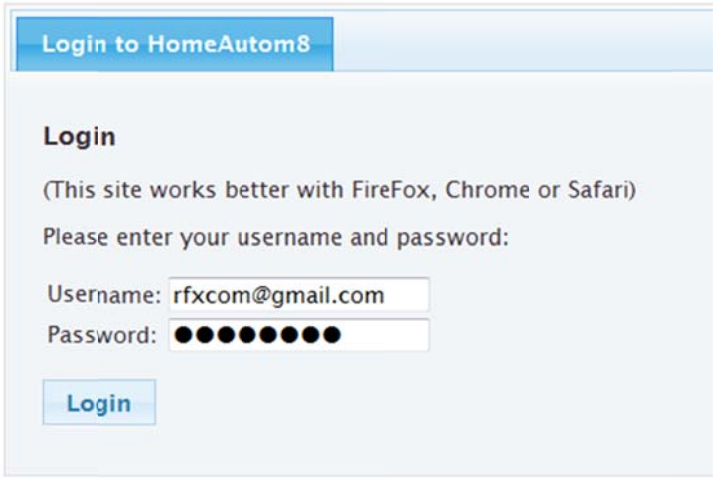
6. Use HomeAutom8

6.1. *Create an account on HomeAutom8*

Go to: http://www.homeautom8.com/iAutomate/index.php and click 'Get Started!'
Create your user account on the next screen

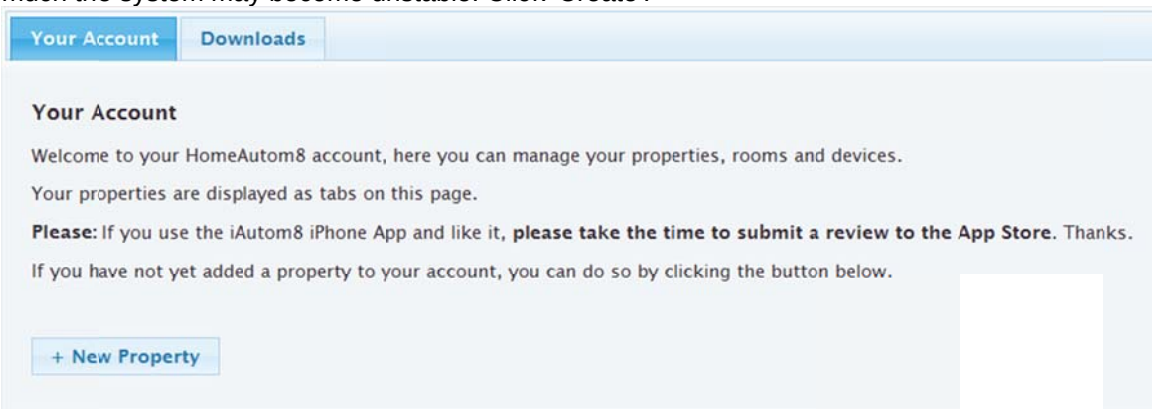


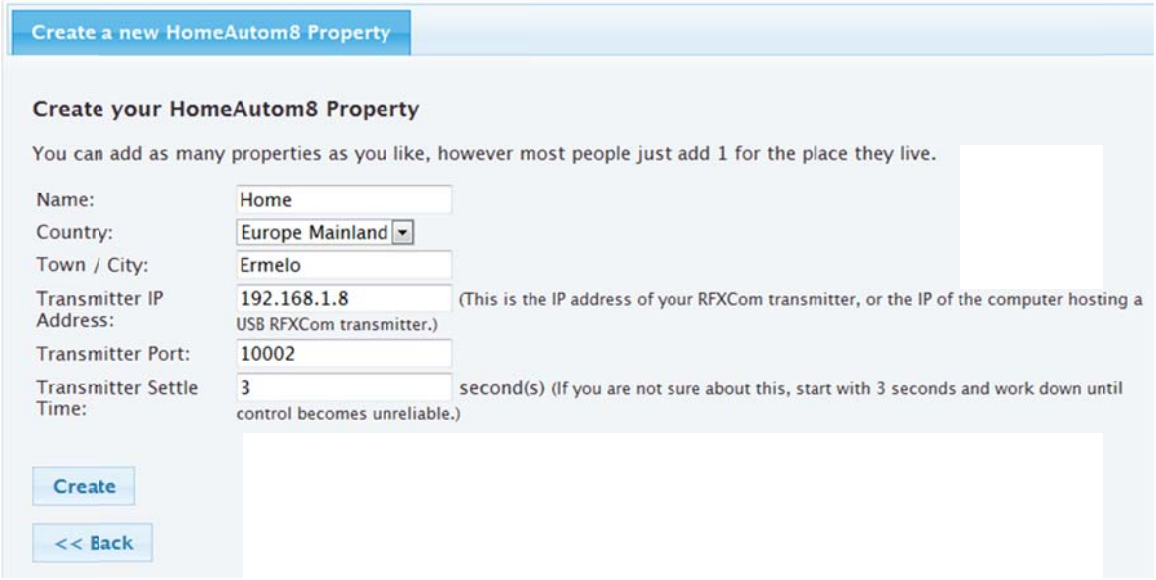
Log into your HomeAutom8 account. Username is the email address entered on the previous screen.



6.2. *Create a property*

Now click '+property'. You now need to fill in the details for the property including the RFXLAN IP address and port number which you established earlier. Leave the 'Transmitter Settle Time' at 3 seconds for the minute, this is the delay from when you switch a device to when it responds however if this is reduced too much the system may become unstable. Click 'Create'.

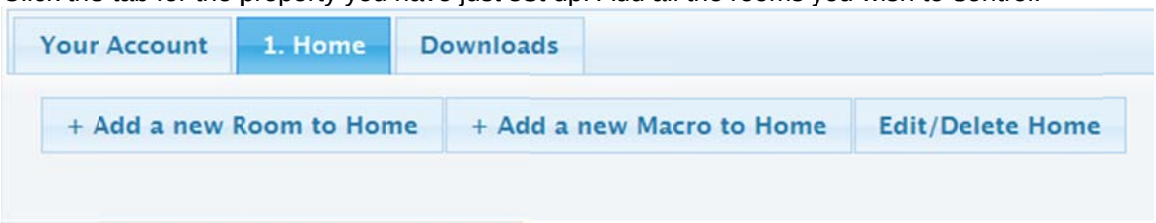


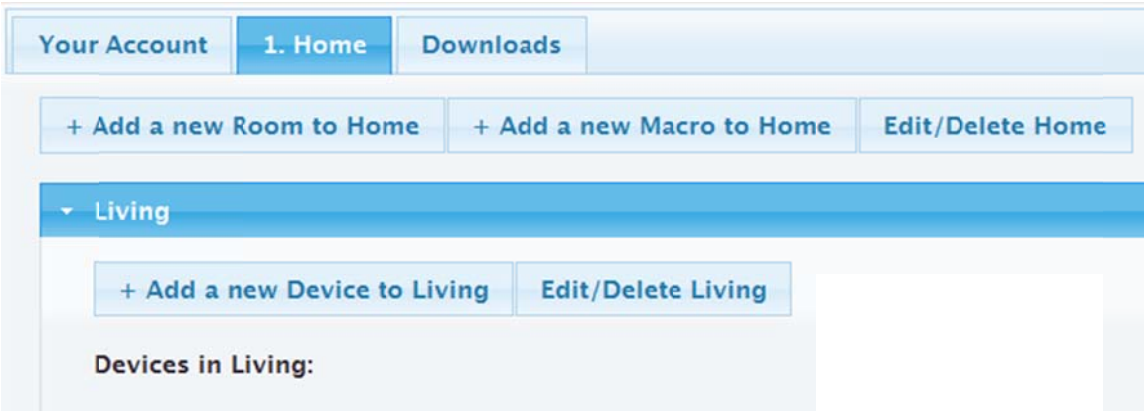


Notes: Transmitter port must be 10001 in case of an older 1 port RFXCOM LAN interface.
See also the chapter Transmitter IP Address assignment in HomeAutom8 property.

6.3. *Add rooms*

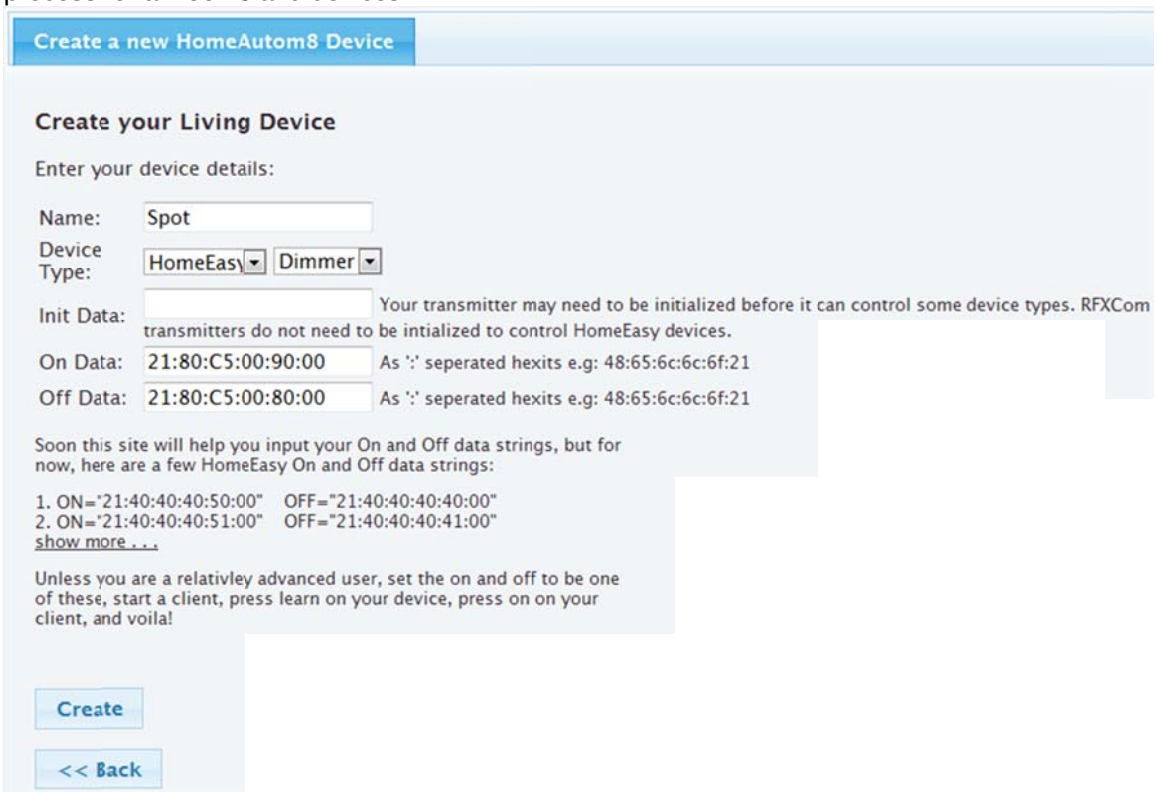
Click the tab for the property you have just set up. Add all the rooms you wish to control.





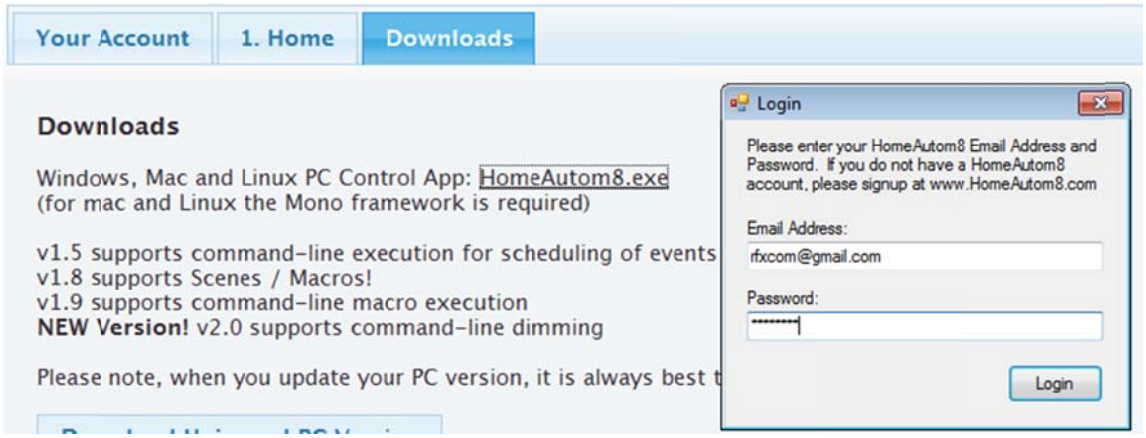
6.4. *Add devices*

Click '+Add a new device' for the room you wish to start on. Now fill in the relevant details for the device, leave the 'Init Data' box empty as this is not required for AC devices. Insert the 'ON/OFF' codes you wrote down earlier for the device.
You need to insert separated hexits e.g: 48:65:6c:6c:6f:21. Once completed, click 'create' and repeat the process for all rooms and devices.

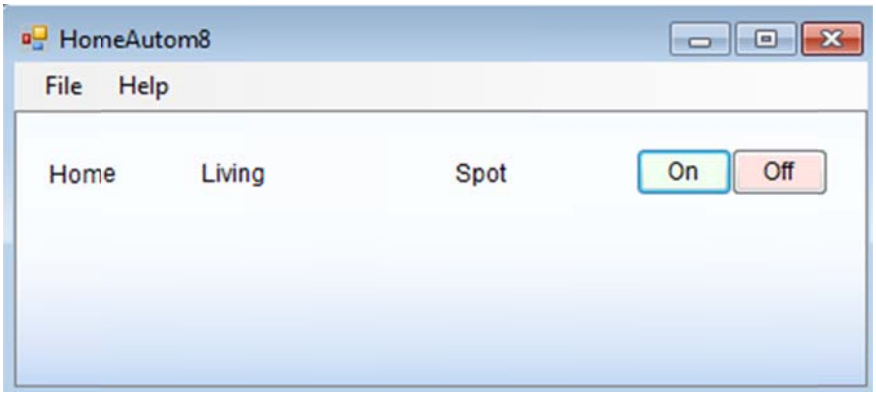


6.5. *Test with the HomeAutom8 application*

Stop the RFtransmitter.exe / RFXmitter.exe program.
Download and run the HomeAutom8 test client, which can be found under the downloads tab on the HomeAutom8 website. Once the program has opened, enter your HomeAutom8 login details and press the '>' button.

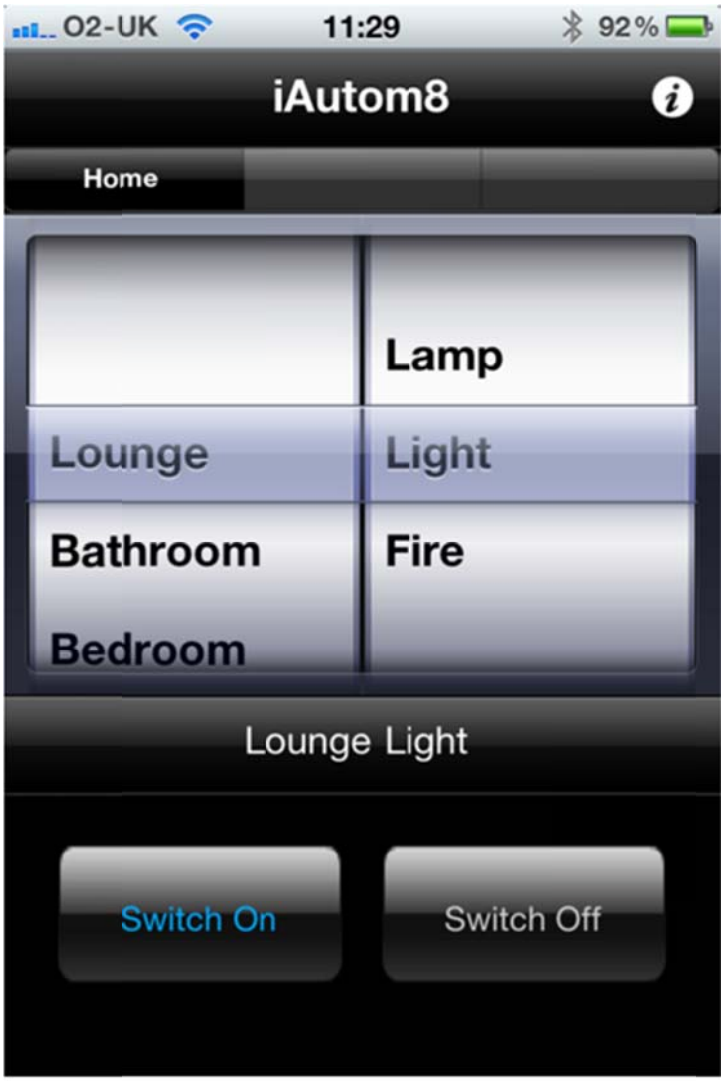


You should now be able to switch your devices using this program.
Note: The HomeAautom8 service will not work with the RFtransmitter program running, close this down beforehand.



6.6. *Download the iAutom8 app*

Once you are happy everything is working as it should be, run the iAutom8 app on your iPhone/iPod touch (Available from the App store), input your login details and you should then be able to control your devices.



7. Revision history.

Version 0.0 – May 10, 2011
Initial version.

8. Copyright notice