

Quick Start Guide

To use RFXCOM with

Homeseer

www.rfxcom.com

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1. Introduction.

The purpose of this document is to let you have the RFXCOM devices fast up and running. If a question arises, first check if the detailed documentation for the device will give the answer. If you can't find the answer in the detailed documentation you can send your question to support@rfxcom.com or if the problem is more related to Homeseer please post your question at the Homeseer forum.

It is very well appreciated if you send any comments or required additions to this document to support@rfxcom.com

The full documentation is in the Homeseer \docs\RFXCOM directory:
RFXCOM User Guide.pdf
RFXCOM Programmers Guide.pdf

We hope you enjoy the RFXCOM products.

2. RFXtrx with USB interface.

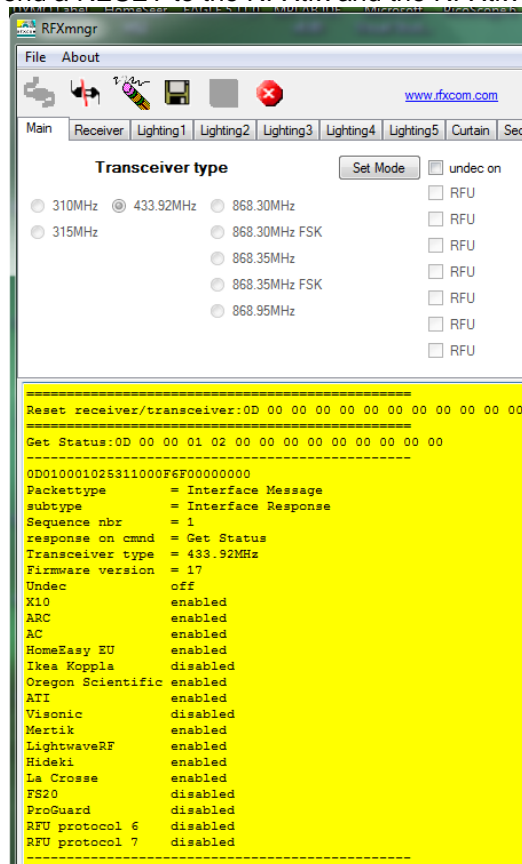
- Install the USB driver.
- Install the drivers on your Windows system.
- Do NOT connect the USB plug before installing the USB drivers!
- Install the latest USB drivers from the FTDI site. <http://www.ftdichip.com/Drivers/VCP.htm>
- Connect the RFXCOM USB RFXtrx and install the drivers just downloaded.
- Test the USB interface connection.
- Start the RFXmngn program (on the RFXCOM CD)

2.1. Test the USB interface connection.

- Start the RFXmngn program.
- Click the connect button
- Select the USB COM port of the RFXtrx and click OK



The RFXmngn program will send a RESET to the RFXtrx and the RFXtrx should respond like:



2.2. Use the RFXtrx in Homeseer - RFXCOM plug-in.

- Install the RFXCOM plug-in using the Homeseer Updater.
- Restart Homeseer
- Enable the RFXCOM plug-in in the Setup – Interfaces tab.

The screenshot shows the Homeseer web interface with the 'Interfaces' tab selected. At the top, there are navigation tabs: General, Location, Web Users, E-mail, Web Server, Web Site, Device Types, Interfaces (highlighted), Power/Failure, and Phone. Below these, the 'Built-In Interfaces' section shows 'Z-Wave Interface' set to 'None (Main Interface)'. The 'Log Z-Wave Polling (Status Request Errors: No)' is also visible. The 'Plug-In Interfaces' table lists the 'RFXCOM' interface as 'Enabled Config' with a status of 'Interface OK'.

- Select Config (just below Enabled). The RFXCOM config page will open after a few seconds
- Select Interfaces to configure the COM ports and protocols used by the RFXCOM receiver(s) and/or RFXCOM transmitter.
- Select the RFXtrx to modify and click the Modify button.

RFXCOM RFXtrx																				
Name	Code	Location	Location 2	Type	Device ID	COM or TCP/IP	X10	ARC	AC	HEU	OS	ATI	VIS	MER	LWR	HID	LAC	FS	PRO	UND
<input type="radio"/>	Transceiver 1	_14	System		RFXtrx433	TRX[1]Q	COM13	Y	Y	Y	Y	Y	Y	Y	Y					
<input type="radio"/>	Transceiver 2	_15	System		RFXtrx433	TRX[2]Q	None													
<input type="radio"/>	Transceiver 3	_16	System		RFXtrx?	TRX[3]Q	None													
<input type="radio"/>	Transceiver 4	_17	System		RFXtrx?	TRX[4]Q	None													
<input type="radio"/>	Transceiver 5	_18	System		RFXtrx?	TRX[5]Q	None													
<input type="radio"/>	Transceiver 6	_19	System		RFXtrx?	TRX[6]Q	None													
<input type="radio"/>	Transceiver 7	_20	System		RFXtrx?	TRX[7]Q	None													
<input type="radio"/>	Transceiver 8	_21	System		RFXtrx?	TRX[8]Q	None													

[Modify](#)

The screenshot shows the 'RFXtrx' configuration form. It has tabs for 'General', 'Interfaces', 'Input dev.', and 'Virt'. The form fields are: Location (System), Location2 (empty), Name (Transceiver 1), Type (RFXtrx433), HS Code (_14), Interface (COM13), RFXtrx (433.92). Below these are checkboxes for X10, RFX, ARC, AC, HomeEasy EU, OS Oregon, ATI Remote, Visonic, Mode 32, LightwaveRF, Hideki, La Crosse, FS20, ProGuard, and Undecoded. At the bottom are 'Save' and 'Cancel' buttons.

Selections:

Enable only the protocols necessary to be received!

Too many protocols enabled will make the receiver less sensitive.

Protocols to be enabled for:

• X10	X10
• DIGIMAX	X10
• RFXMeter	X10
• RFXSensor	X10
• KlikAanKlikUit with address wheels	ARC
• DomiaLite	ARC
• NEXA with address wheels	ARC
• BBSB	ARC
• Proove	ARC
• ELRO AB600	ARC
• Intertechno	ARC
• Düwi	ARC
• Oregon Scientific	OS
• Electrisave	OS
• Cent-a-meter	OS
• OWL	OS
• KlikAanKlikUit with program button	AC
• HomeEasy UK with program button	AC
• NEXA with program button	AC
• HomeEasy Heater	AC
• HomeEasy EU	HEU
• ATI Remote Wonder (Plus)	ATI
• RF Remote	ATI
• Medion Remote	ATI
• Mertik Maxitrol	MER
• LightwaveRF	LWR
• Hideki	HID
• La Crosse	LAC

The transmitter protocols are always enabled.

Hint: Move the cursor on a possible selection and a tooltip will be displayed.

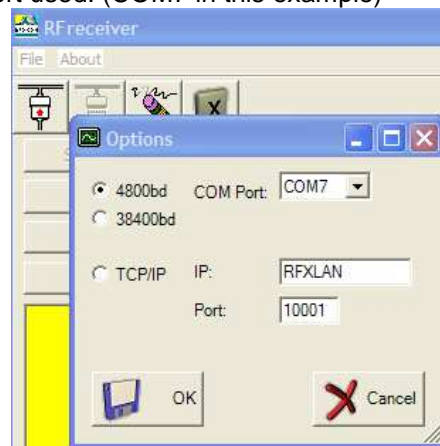
3. Receiver with USB interface.

3.1. Install the USB driver.

- Install the drivers on your Windows system.
- Do NOT connect the USB plug before installing the USB drivers!
- Install the latest USB drivers from the FTDI site. <http://www.ftdichip.com/Drivers/VCP.htm>
- Connect the RFXCOM USB receiver and install the drivers just downloaded.

3.2. Test the USB interface connection.

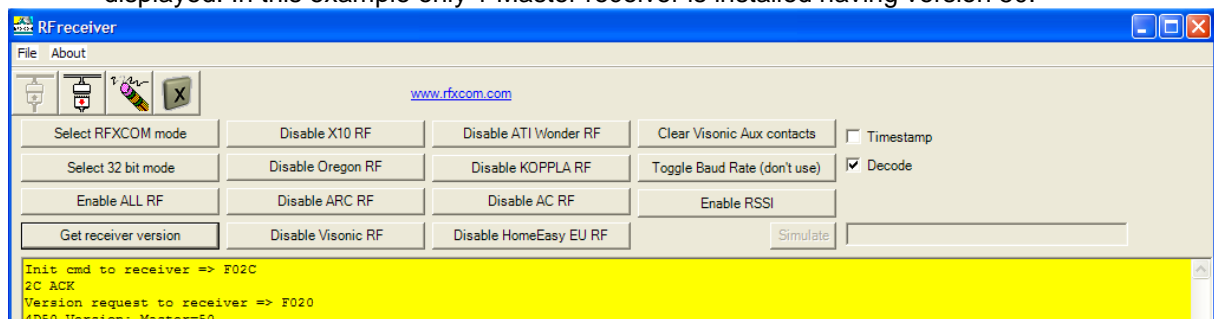
- Start the RFreceiver program (on the RFXCOM CD)
- Click the large button Top Left and select the COM port of the RFXCOM USB. Remember the COM port used. (COM7 in this example)



- Click Select RFXCOM mode.



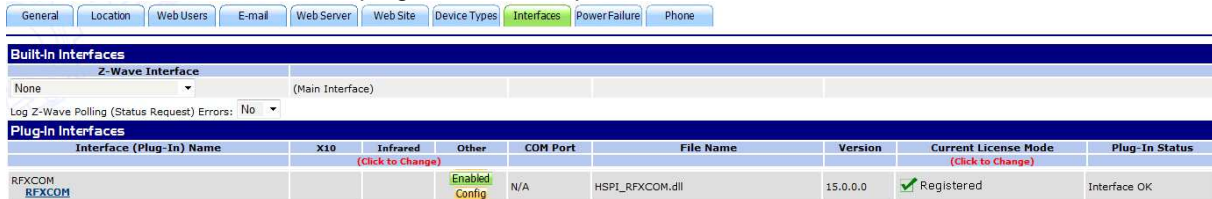
- Click Get receiver version. If 2 receivers are installed a Master and a Slave status is displayed. In this example only 1 Master receiver is installed having version 50.



- Stop RFreceiver.

3.3. Use the USB receiver in Homeseer - RFXCOM plug-in.

- Install the RFXCOM plug-in using the Homeseer Updater.
- Restart Homeseer
- Enable the RFXCOM plug-in in the Setup – Interfaces tab.



- Select Config (just below Enabled). The RFXCOM config page will open after a few seconds
- Select Interfaces to configure the COM ports and protocols used by the RFXCOM receiver(s) and/or RFXCOM transmitter.
- Select the Receiver to modify and click the Modify button



RFXCOM Receivers																
	Name	Code	Location	Location 2	Type	Device ID	COM or TCP/IP	Baud rate	X10	ARC	OS	AC	HEU	ATI	RSSI	
<input type="radio"/>	IO Panel	_1	System		RFXCOM I/O Messages Panel	IO[1]Q										
<input type="radio"/>	Receiver 1	_2	System		RFXCOM Receiver Status	REC[1]Q	COM14	38400								Y
<input type="radio"/>	Receiver 2	_3	System		RFXCOM Receiver Status	REC[2]Q	None									
<input type="radio"/>	Receiver 3	_4	System		RFXCOM Receiver Status	REC[3]Q	None									
<input type="radio"/>	Receiver 4	_5	System		RFXCOM Receiver Status	REC[4]Q	None									
<input type="radio"/>	Receiver 5	_6	System		RFXCOM Receiver Status	REC[5]Q	None									
<input type="radio"/>	Receiver 6	_7	System		RFXCOM Receiver Status	REC[6]Q	None									
<input type="radio"/>	Receiver 7	_8	System		RFXCOM Receiver Status	REC[7]Q	None									
<input type="radio"/>	Receiver 8	_9	System		RFXCOM Receiver Status	REC[8]Q	None									

Selections:

Enable only the protocols necessary to be received!

Too many protocols enabled will make the receiver less sensitive.

Important note: When using a receiver with an old firmware version that does not support the AC protocols you have to enable all protocols. If all protocols are not enabled for an old receiver type the receiver will not be connected.

Protocols to be enabled for:

- | | |
|--------------------------------------|-----|
| • X10 | X10 |
| • DIGIMAX | X10 |
| • RFXMeter | X10 |
| • RFXSensor | X10 |
| • KlikAanKlikUit with address wheels | ARC |
| • Domialite | ARC |
| • NEXA with address wheels | ARC |
| • BBSB | ARC |
| • Proove | ARC |
| • ELRO AB600 | ARC |
| • Intertechno | ARC |
| • Düwi | ARC |
| • Oregon Scientific | OS |
| • Electrisave | OS |
| • Cent-a-meter | OS |
| • OWL | OS |
| • KlikAanKlikUit with program button | AC |

- HomeEasy UK with program button AC
- NEXA with program button AC
- HomeEasy Heater AC
- HomeEasy EU HEU
- ATI Remote Wonder (Plus) ATI
- RF Remote ATI
- Medion Remote ATI

AC is always enabled in the transmitter.

Hint: Move the cursor on a possible selection and a tooltip will be displayed.

4. Receiver with Ethernet interface.

4.1. Install the RFXCOM Ethernet receiver.

- Connect the RFXCOM Ethernet receiver to the LAN with a DHCP server present in the network.
- For a detailed description see the RFXLAN Ethernet document on the RFXCOM CD.

4.2. Configure the Ethernet controller.

- Connect the RFXLAN with a browser <http://rfxlan> or using the IP address <http://xxx.xxx.xxx.xxx> (x is IP address)

4.3. Test the Ethernet interface connection.

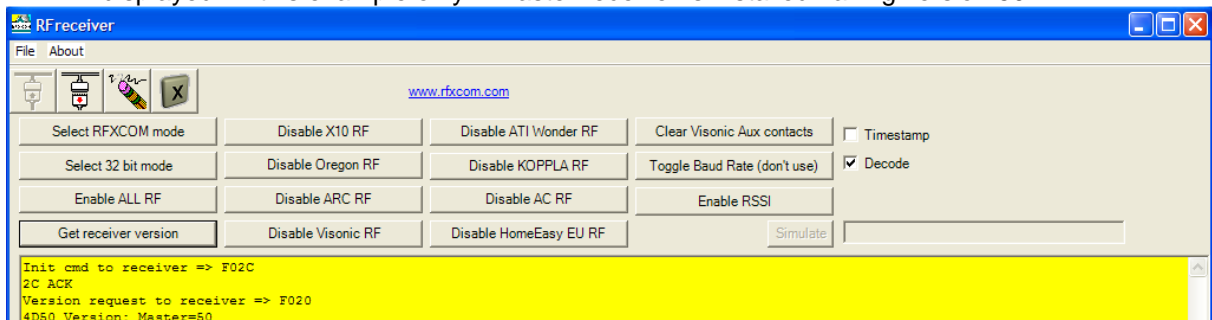
- Start the RFreceiver program (on the RFXCOM CD)
- Click the large button Top Left and select TCP/IP and enter the IP number (or RFXLAN) and port of the RFXCOM Ethernet interface. (10001 for receiver(s) and 10002 for a transmitter)



- Click Select RFXCOM mode.



- Click Get receiver version. If 2 receivers are installed a Master and a Slave status is displayed. In this example only 1 Master receiver is installed having version 50.



- Stop RFreceiver.

4.4. Use the Ethernet receiver in Homeseer - RFXCOM plug-in.

- Install the RFXCOM plug-in using the Homeseer Updater.
- Restart Homeseer
- Enable the RFXCOM plug-in in the Setup – Interfaces tab.

General	Location	Web Users	E-mail	Web Server	Web Site	Device Types	Interfaces	Power Failure	Phone
---------	----------	-----------	--------	------------	----------	--------------	------------	---------------	-------

Z-Wave Interface	
None	(Main Interface)
Log Z-Wave Polling (Status Request) Errors: No	

Plug-In Interfaces								
Interface (Plug-In) Name	X10	Infrared	Other	COM Port	File Name	Version	Current License Mode	Plug-In Status
RFXCOM RFXCOM		(Click to Change)	Enabled Config	N/A	HSPI_RFXCOM.dll	15.0.0.0	Registered	Interface OK

- Select Config (just below Enabled). The RFXCOM config page will open after a few seconds.
- Select Interfaces to configure the TCP/IP ports and protocols used by the RFXCOM receiver(s) and/or RFXCOM transmitter.

General	Interfaces	Input dev.	Virtual dev.	Security	Output dev.	X10 Config
---------	------------	------------	--------------	----------	-------------	------------

RFXCOM Receivers															
	Name	Code	Location	Location 2	Type	Device ID	COM or TCP/IP	Baud rate	X10	ARC	OS	AC	HEU	ATI	RSSI
<input type="radio"/>	IO Panel	_1	System		RFXCOM I/O Messages Panel	IO[1]Q									
<input type="radio"/>	Receiver 1	_2	System		RFXCOM Receiver Status	REC[1]Q	RFxLAN:10001		Y	Y	Y	Y	Y	Y	
<input type="radio"/>	Receiver 2	_3	System		RFXCOM Receiver Status	REC[2]Q	-								
<input type="radio"/>	Receiver 3	_4	System		RFXCOM Receiver Status	REC[3]Q	-								
<input type="radio"/>	Receiver 4	_5	System		RFXCOM Receiver Status	REC[4]Q	-								
<input type="radio"/>	Receiver 5	_6	System		RFXCOM Receiver Status	REC[5]Q	-								
<input type="radio"/>	Receiver 6	_7	System		RFXCOM Receiver Status	REC[6]Q	-								
<input type="radio"/>	Receiver 7	_8	System		RFXCOM Receiver Status	REC[7]Q	-								
<input type="radio"/>	Receiver 8	_9	System		RFXCOM Receiver Status	REC[8]Q	-								

Selections:

Enable only the protocols necessary to be received!

Too many protocols enabled will make the receiver less sensitive.

Important note: When using a receiver with an old firmware version that does not support the AC protocols you have to enable all protocols. If all protocols are not enabled for an old receiver type the receiver will not be connected.

Protocols to be enabled for:

- | | |
|--------------------------------------|-----|
| • X10 | X10 |
| • DIGIMAX | X10 |
| • RFXMeter | X10 |
| • RFXSensor | X10 |
| • KlikAanKlikUit with address wheels | ARC |
| • Domialite | ARC |
| • NEXA with address wheels | ARC |
| • BBSB | ARC |
| • Proove | ARC |
| • ELRO AB600 | ARC |
| • Intertechno | ARC |
| • Düwi | ARC |
| • Oregon Scientific | OS |
| • Electrisave | OS |
| • Cent-a-meter | OS |
| • OWL | OS |
| • KlikAanKlikUit with program button | AC |
| • HomeEasy UK with program button | AC |
| • NEXA with program button | AC |
| • HomeEasy Heater | AC |
| • HomeEasy EU | HEU |

- ATI Remote Wonder (Plus) ATI
- RF Remote ATI
- Medion Remote ATI

AC is always enabled in the transmitter.

Hint: Move the cursor on a possible selection and a tooltip will be displayed.

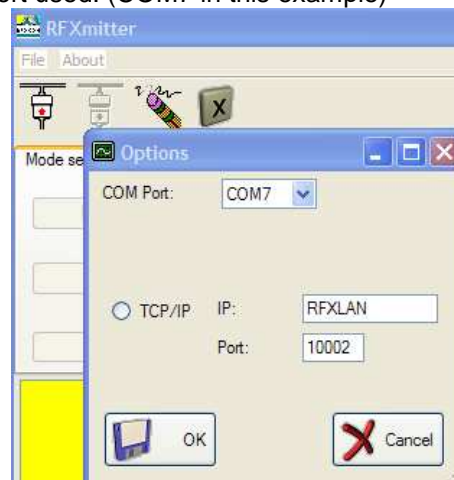
5. Transmitter with USB interface.

5.1. Install the USB transmitter and driver.

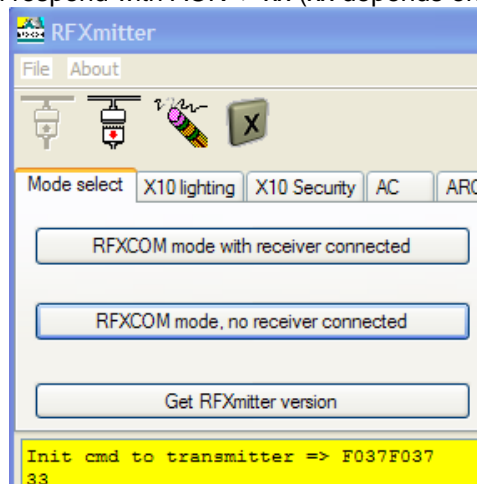
- Do NOT connect the USB plug before installing the USB drivers!
- Install the latest USB drivers from the FTDI site. <http://www.ftdichip.com/Drivers/VCP.htm>
- Connect the RFXCOM USB transmitter and install the drivers just downloaded.
- Connect the handshake cable. (see the Handshake document on the RFXCOM CD)

5.2. Test the USB interface connection.

- Start the RFXmitter program (on the RFXCOM CD)
- Click the large button Top Left and select the COM port of the RFXCOM USB. Remember the COM port used. (COM7 in this example)

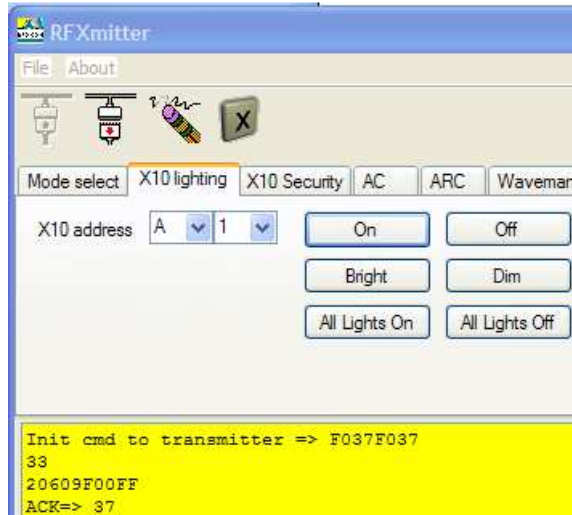


- Click the mode you like to test.
The transmitter should respond with ACK=> xx (xx depends on the mode selected)



Note: if RFXCOM mode with receiver connected is selected and the transmitter doesn't respond, try the mode RFXCOM mode, no receiver connected. If this works the handshake cable is probably not (correctly) connected.

- Select a Tab for the mode selected and click on an action. In this example A1-ON.



- Stop the RFXmitter program.

5.3. Use the USB transmitter in Homeseer - RFXCOM plug-in.

- Install the RFXCOM plug-in using the Homeseer Updater.
- Restart Homeseer
- Enable the RFXCOM plug-in in the Setup – Interfaces tab.

General Location E-mail Web Server Web Users Web Site Device Types **Interfaces** PowerFailure Phone

Built-In Interfaces

Z-Wave Interface

None

Interface (Plug-In) Name	X10	Infrared	Other	COM Port	File Name	Version	Current License Mode	Plug-In Status
	(Click to Change)						(Click to Change)	
RFXCOM RFXCOM		Enabled Config		N/A	HSPI_RFXCOM.dll	15.0.0.0	Registered	Interface OK

- Select Config (just below Enabled). The RFXCOM config page will open after a few seconds.
- Select Interfaces to configure the COM ports and protocols used by the RFXCOM receiver(s) and/or RFXCOM transmitter.
- Select the Receiver to modify and click the Modify button

General **Interfaces** Input dev. Virtual dev. Security Output dev. X10 Config

RFXCOM Receivers

Name	Code	Location	Location 2	Type	Device ID	COM or TCP/IP	Baud rate	X10	ARC	OS	AC	HEU	ATI	RSSI
<input type="radio"/> IO Panel	_1	System		RFXCOM I/O Messages Panel	IO[1]Q									
<input type="radio"/> Receiver 1	_2	System		RFXCOM Receiver Status	REC[1]Q	COM14	38400							Y
<input type="radio"/> Receiver 2	_3	System		RFXCOM Receiver Status	REC[2]Q	None								
<input type="radio"/> Receiver 3	_4	System		RFXCOM Receiver Status	REC[3]Q	None								
<input type="radio"/> Receiver 4	_5	System		RFXCOM Receiver Status	REC[4]Q	None								
<input type="radio"/> Receiver 5	_6	System		RFXCOM Receiver Status	REC[5]Q	None								
<input type="radio"/> Receiver 6	_7	System		RFXCOM Receiver Status	REC[6]Q	None								
<input type="radio"/> Receiver 7	_8	System		RFXCOM Receiver Status	REC[7]Q	None								
<input type="radio"/> Receiver 8	_9	System		RFXCOM Receiver Status	REC[8]Q	None								

Modify

RFXCOM Transmitters

Name	Code	Location	Location 2	Type	Device ID	COM or TCP/IP	RFXmitter	X10	ARC	Har	Fla	AC	HS
<input type="radio"/> Transmitter 1	_10	System		RFXCOM Transmitter Status	XMIT[1]Q	RFXLAN:10002	Y	Y	Y	Y	Y	Y	Y
<input type="radio"/> Transmitter 2	_11	System		RFXCOM Transmitter Status	XMIT[2]Q	None							
<input type="radio"/> Transmitter 3	_12	System		RFXCOM Transmitter Status	XMIT[3]Q	None							
<input type="radio"/> Transmitter 4	_13	System		RFXCOM Transmitter Status	XMIT[4]Q	None							

Modify

Selections:

Enable only the protocols necessary to be received!

Too many protocols enabled will make the receiver less sensitive.

Important note: When using a receiver with an old firmware version that does not support the AC protocols you have to enable all protocols. If all protocols are not enabled for an old receiver type the receiver will not be connected.

Protocols to be enabled for:

- X10 X10
- DIGIMAX X10
- RFXMeter X10
- RFXSensor X10
- KlikAanKlikUit with address wheels ARC
- DomiaLite ARC
- NEXA with address wheels ARC
- BBSB ARC

- Proove ARC
- ELRO AB600 ARC
- Intertechno ARC
- Düwi ARC
- KlikAanKlikUit with program button AC
- HomeEasy UK with program button AC
- NEXA with program button AC
- HomeEasy Heater AC
- HomeEasy EU HEU
- ATI Remote Wonder (Plus) ATI
- RF Remote ATI
- Medion Remote ATI

AC is always enabled in the transmitter.

Hint: Move the cursor on a possible selection and a tooltip will be displayed.

The RFXmitter checkbox indicates if the RFXCOM transmitter of type RFXmitter is used. This is a transmitter mainly developed for the use by the RFXCOM plug-in. This transmitter supports the X10, ARC, HAR, FLA, IKEA Koppla, AC and HEU protocols and no individual protocol have to be selected. If you experience problems with some units you can increase the number of transmitted packets. The number of repeated RF packets can be configured for each protocol individually using the RFXmitter program. This setting is saved in the transmitter. You can also test to decrease the number of transmitted packets. But remember: range problems cannot be solved by increasing the number of transmitted RF packets.

6. Transmitter with Ethernet interface.

6.1. Install the RFXCOM Ethernet transmitter.

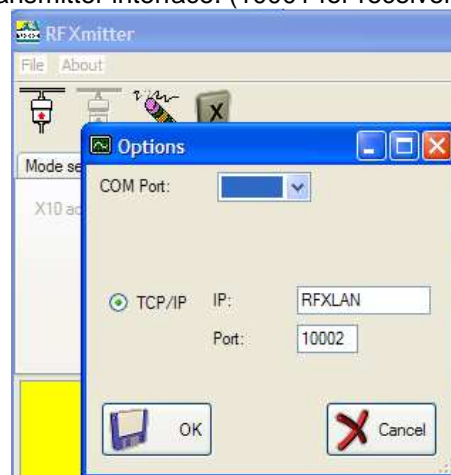
- Connect the RFXCOM Ethernet transmitter to the LAN with a DHCP server present in the network.
- For a detailed description see the RFXLAN Ethernet document on the RFXCOM CD.

6.2. Configure the Ethernet controller.

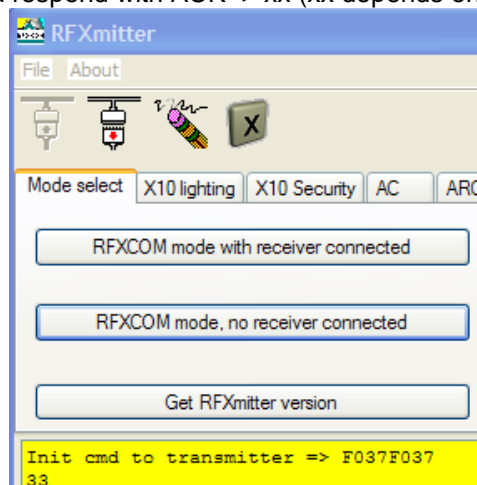
- Connect the RFXLAN with a browser <http://rfxlan> or using the IP address <http://xxx.xxx.xxx.xxx> (x is IP address)

6.3. Test the Ethernet interface connection.

- Start the RFXmitter program (on the RFXCOM CD)
- Click the large button Top Left and select TCP/IP and enter the IP number (or RFXLAN) and port of the RFXCOM transmitter interface. (10001 for receiver(s) and 10002 for a transmitter)

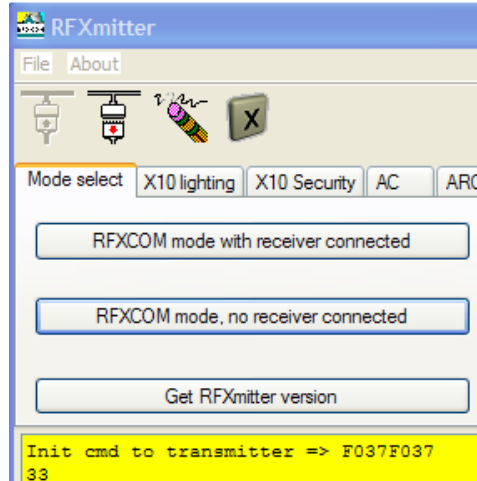


- Click the mode you like to test.
The transmitter should respond with ACK=> xx (xx depends on the mode selected)



Note: if RFXCOM mode with receiver connected is selected and the transmitter doesn't respond, try the mode RFXCOM mode, no receiver connected. If this works the handshake cable is probably not (correctly) connected.

- Select a Tab for the mode selected and click on an action. In this example A1-ON.



- Stop the RFXmitter program.

6.4. Use the Ethernet transmitter in Homeseer.

The same procedure can be used as described for the RFXCOM USB transmitter.

7. Configure devices in Homeseer

7.1. Add an Oregon sensor

- Go to the RFXCOM Input Dev. Configuration page and click Clear Heard.
- Select the channel (if appropriate) on the Oregon sensor.
- Insert the battery in the Oregon sensor.
- Wait until the sensor has sent an RF packet. (normally a few seconds after battery inserted or after a sensor reset)
- Click ADD on the RFXCOM Input Dev. Configuration page and add the Oregon sensor(s) found.

7.2. Add a Chacon, HomeEasy, KlikAan, NEXA device

- Go to the RFXCOM Output Dev. Configuration page

If the device has address code wheels (A-P/1-16):

- Add an ARC device and set the code wheels to the address configured.

If the device has a program/learn button:

- Add an AC device,
- go to the HS Status page,
- push the learn button on the device,
- click ON at the device on the Status page.

7.3. Add a Chacon, HomeEasy, KlikAan, NEXA remote

If the remote has address code wheels (A-P/1-16):

- Set the device code on the RFXCOM X10 configuration page to STATUS ONLY,
- Add the remote as an X10 device on the Homeseer Status page.

If the remote is for a device with a program/learn button:

- Go to the RFXCOM Input Dev. Configuration page and click Clear Heard.
- Push a button on the remote
- Click the Add button to add the selected AC remote.

7.4. Add an X10 lighting sensor or remote

- Add an X10 sensor (lighting)
- Set the device code on the RFXCOM X10 configuration page to STATUS ONLY,
- Add the sensor or remote as an X10 device on the Homeseer Status page.

7.5. Add an X10 or Visonic security sensor

- Go to the RFXCOM Security Dev. Configuration page and click Clear Heard.
- Trigger the security sensor,
- Click ADD on the RFXCOM Security Dev. Configuration page and add the Security sensor found.

8. RFXMeter.

8.1. *Install the RFXPwr hardware.*

If the RFXMeter has also RFXPulse module(s) installed then place the RFXPwr at the location Module 0. The RFXMeter is then powered by the RFXPwr and the RFXMeter doesn't need a dedicated power supply then.

Put the power supply of the RFXPwr in a wall outlet that is connected to the same power phase as the one you are measuring with the CT (Current Transformer).

If the red LED on the RFXPwr module is on then turn the CT on the power line.

RFXPwr in the Homeseer – RFXCOM plug-in.

Create an RFXMeter in the Input Dev. tab.

Important: Name the device **RFXPwr** optionally followed by a number.

Enter 1000 at Divide By and kWh at Suffix.

Enter a calibration value to set the counter to the same value as the utility meter.

Install the RFXCHARTS software.

8.2. *Install the RFXPulse hardware.*

If the RFXMeter has also RFXPwr module(s) installed then place the RFXPwr at the location Module 0. The RFXMeter is then powered by the RFXPwr and the RFXMeter doesn't need a dedicated power supply then.

If no RFXPwr is present in the RFXMeter power the RFXMeter using the delivered 9V AC/AC power adaptor. If a DC power adaptor is used then connect the positive voltage (+) to the outside and the negative voltage (-) to the inside of the power plug.

8.3. *RFXPulse in the Homeseer – RFXCOM plug-in.*

Create an RFXMeter in the Input Dev. tab.

If the pulse device is used for power metering then name the device RFXPwr optionally followed by a number,

If the pulse device is used for gas metering then name the device RFXGas optionally followed by a number,

If the pulse device is used for water metering then name the device RFXWater optionally followed by a number,

Enter a value at Divide By that reflects the units versus pulse counts.

Enter the units at Suffix.

Enter a calibration value to set the counter to the same value as the utility meter.

Install the charting software delivered by the RFXCOM plug-in

9. RFXSensor.

9.1. Install the RFXSensor.

Stop Homeseer to disconnect the RFXCOM receiver.

Start RFreceiver and select Variable length mode. (if a W800 is used, select 32 bit mode).

Insert the battery in the RFXSensor without any additional sensor connected to the jack input. The RFXSensor device address will be displayed in the reset message.

If you have more than one RFXSensor you must configure each RFXSensor with a unique address. See the RFXSensor.pdf chapter 5 on the RFXCOM CD.

Below you see a trace of an RFXSensor reset using Variable length mode in the receiver. If the receiver is set to 32 bit mode then only 4 bytes data are displayed.

The 3rd line contains the internal address of the 1-wire sensor in the RFXSensor.

Remember this address: C39985000000 and note that this is Sensor 0 which has address RFXsensor[240]T

```
205246338A    RFXSensor Type-3, Slow sampling mode, version:10, bits=32
2853454E0026    Sensor 0 type=DS2438 bits=40
30C39985000000    noise or a 1-Wire sensor internal address bits=48
2000F015CE    RFXsensor[240]T RFXSensor  addr:00F0 ID:240 Temp:21,75°C | 71,15°F bits=32
2002F23AC3    RFXsensor[754]V RFXSensor  addr:02F2 ID:754 Supply Voltage:4,7 bits=32
2001F130A1    RFXsensor[497]Z RFXSensor  addr:01F1 ID:497 RH:106,87% Barometer:1025hPa A/D
voltage:3,89 bits=32
```

Note: duplicate RFXSensor address lines are removed.

9.2. Install additional sensors.

Connect one additional sensor.

Press reset on the RFXSensor after connecting the additional sensor.

You will find the new additional sensor now in the reset message. It has another address than the sensor in the above message.

Remember this address and add the next additional sensor and so on.

A maximum of 7 additional sensors can be connected to the RFXSensor.

It is a good practice to write the internal address visible on the RFXSensor and the additional sensors. This makes life easier when adding a sensor or debugging is necessary.

9.3. RFXSensor in the Homeseer – RFXCOM plug-in.

Create the RFXSensor in the RFXCOM config – Input Dev. tab.

Configure the Temperature Sensor.

Configure also a System Voltage Sensor. (a must if Humidity or Baro is used)

Configure the Humidity Sensor if your RFXSensor has this sensor installed.

Install the RFXCHARTS software.

10. Warning:

RF signals are possible disturbed and it has not been justified for this equipment at uses in circumstances where life-threatening or dangerous situations are possible.

11. Copyright notice

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12. Revision history.

Version 15.0 – January 23, 2012

Initial version.

Version 15.1 – February 17, 2012

Configure device in Homeseer updated.