



Setting up the RFX Bridge

For Vera Home Controllers

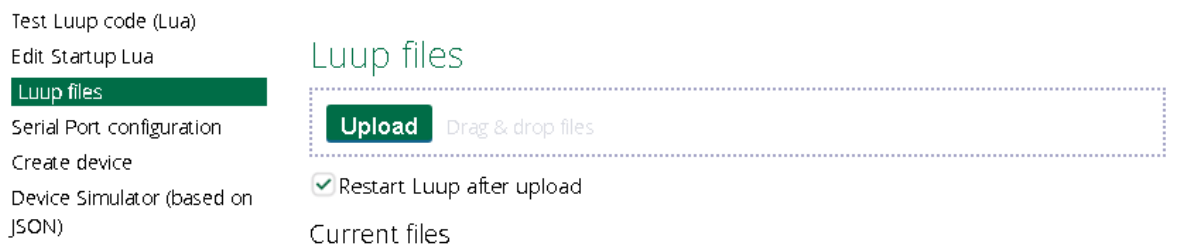
RFX Bridge

In order for this device to work you will need to wire the RFX Bridge directly to your Vera Controller. This means that your Controller will need to be within a reasonable distance of the Somfy Blinds you wish to control. You are able to use a 5 meter long cable with the bridge, however if it is still out of range it would be suggested that you move the Vera to a better position.

Setting Up the Link

1. You will need to download the configurations files for your Vera controller to be able to link to your Bridge; you can download them from the following link. There is a button at the bottom to download all the files you will need in a Zip file.
<https://www.digitalhomesystems.com.au/documentation/RFXtrxPlugIn.zip>
2. Once you have downloaded and unzipped your files you will need to upload the files onto your Vera Controller, this can be done by going to **APPS>DEVELOP APPS>LUUP FILES** once there press Upload and select all the files from the downloaded Zip File.

Develop apps



3. Connect your RFX Bridge to the back of your Vera Unit using a USB cable, one was provided with the device.
4. You will then need to create a Virtual Master Device. This can be done by copying the following code and pasting it into your browser search bar.

http://Vera_Local_IP:3480/data_request?id=lu_action&serviceId=urn:micasaverdecom:serviceId:HomeAutomationGateway1&action=CreateDevice&deviceType=urn:schemas-upnporg:device:rftxrx:1&UpnpDevFilename=D_RFXtrx.xml&Description=RFX433&RoomNum=0&Reload=1

You will need to change Vera_Local_IP to your Vera Units IP

- Once you have received the OK message in your web browser you will now need to configure the Serial Port on your Vera Unit. Navigate through the following menus **APPS>DEVELOP APPS>SERIAL PORT CONFIGURATION** and configure the Unit in the same way as the image below. Only change the highlighted info as the rest is irrelevant for this set-up.

Develop apps

Test Luup code (Lua)
 Edit Startup Lua
 Luup files
Serial Port configuration
 Create device
 Device Simulator (based on JSON)

Serial Port configuration
 If you connected the USB/serial device and it's not displayed here, reload Luup.

Name: ftdi_sio Path:
 Device number: usb-
 IP address: Port: 3481
 Baud: 38400 Parity: none
 Data bits: 8 Stop bits: 1
 Used by device: RFXtrx controller device

Save

- Once these settings are saved you will need to reboot your Vera Controller. To do this safely you can navigate the following menus **SETTINGS>NET & WI-FI** and Press Reboot.

Scenes >
 Energy +
Settings -
 Rooms >
 Customer Care >
 Location >
Net & Wi-fi >

Net & Wi-fi

Troubleshoot network Reset to default network settings **Reboot**

Internet access
 Internet access is ok.

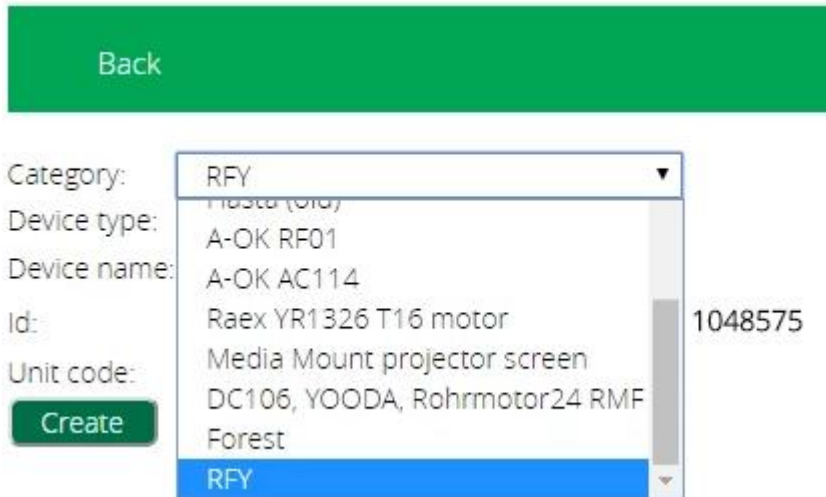
Automatic Device Detection
 Auto detect devices on my home network

- After the reboot you should see a new device on your interface without an image called RFX433.

Pairing Your Blinds

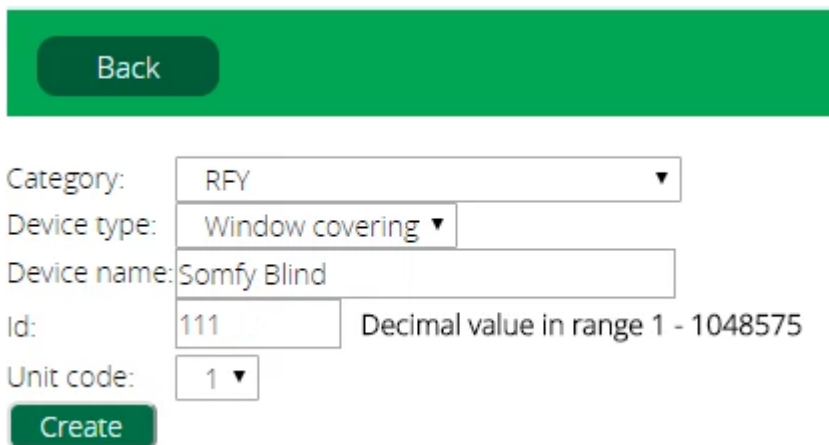
Once you have the RFX433 device functioning and have no errors you are ready to create a device for your blinds.

1. Press the Arrow on the right hand side of the RFX433 Device, and press New Device
2. Under Category, select **RFY** and select **Window Covering** as the device type from the drop down menu.



A screenshot of a web form for creating a device. At the top is a green bar with a white 'Back' button. Below it, the form fields are: 'Category:' with a dropdown menu showing 'RFY' selected; 'Device type:' with a dropdown menu showing 'Window covering' selected; 'Device name:' with a text input field containing 'Somfy Blind'; 'Id:' with a text input field containing '111' and a note 'Decimal value in range 1 - 1048575'; and 'Unit code:' with a dropdown menu showing '1' selected. A green 'Create' button is at the bottom left of the form.

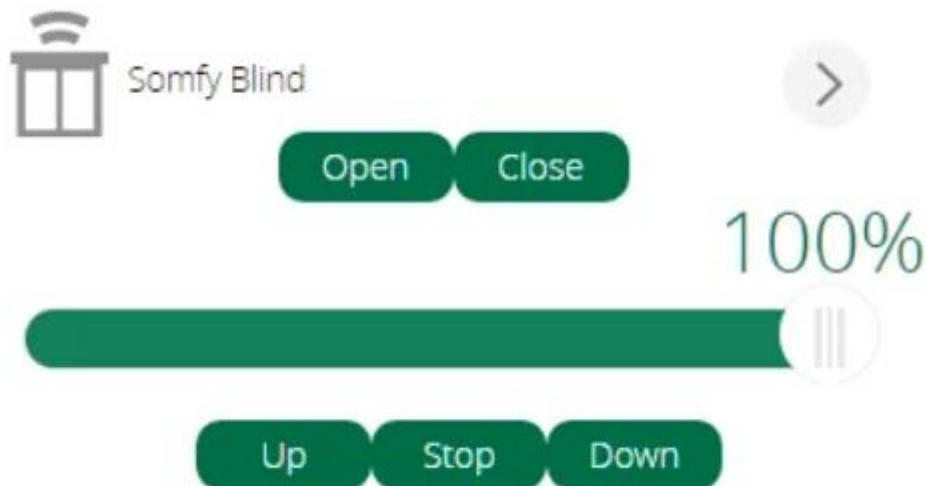
3. Enter a **Unique Id** and **Unit Code**, and then press Create.



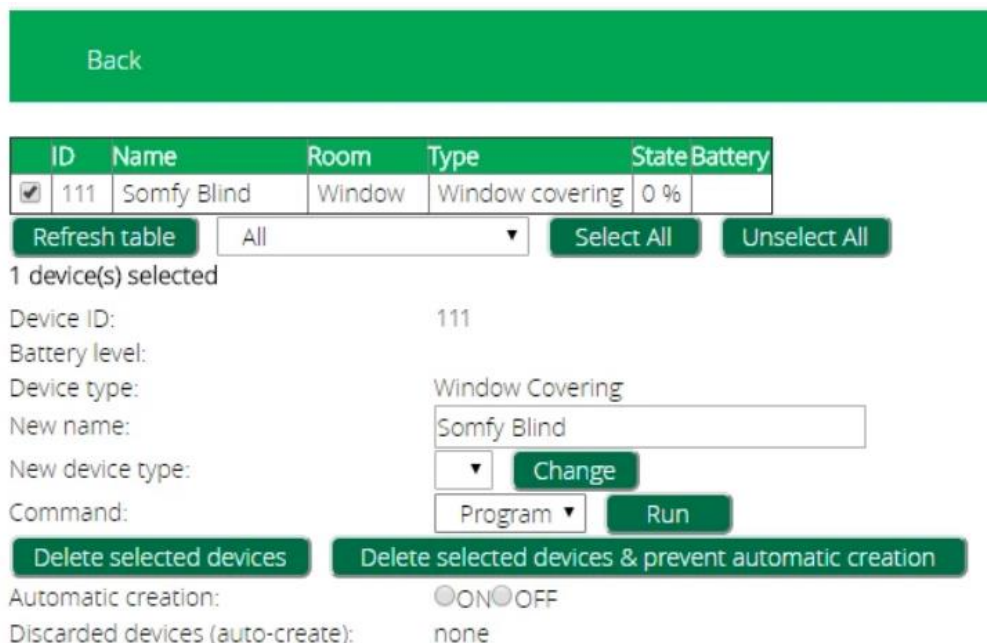
A screenshot of the same web form as above, but with the fields filled out. The 'Category' dropdown is 'RFY', 'Device type' is 'Window covering', 'Device name' is 'Somfy Blind', 'Id' is '111', and 'Unit code' is '1'. The 'Create' button is highlighted in green.

4. Wait about 10 seconds then close the RFX Controller. You will then need to force refresh your browser (Ctrl-F5)

- After this there should be a new device in your interface, however this device is has no controls currently.



- Now you need to pair your new device to your Somfy Blind, to do this press the arrow next to the RFX device and select Managed Devices. Then select the check box on the left hand side of your device, and select the Program Command.



- Hold down the Programming button on the original Somfy remote control, the blinds should jog. Right after the blinds have jogged press the Run Button next to the Program Command.

If successful, the blinds will proceed to jog just as they did when you held the down the program button. You will now be able to control your blinds though your Vera controller.

Appendix

Here you can find further resources to expand your knowledge of the Z-Wave protocol and Vera Ecosystem.

Vera Scenes: <https://support.getvera.com/customer/portal/articles/1630795-scenes-tab-creating-your-own-scenes>

DHS Knowledge Base: <https://www.digitalhomesystems.com.au/knowledge-base>

For more information visit our website www.digitalhomesystems.com.au or contact us via phone on (03) 9432 8000.