Programming Guide

Creating A Project File From An Existing Wired System

The following guide assumes that the system has a HUB/Bridge with an up-to-date Project File uploaded to it.

Step 1 Create a blank project file

- Open the New Project Wizard and give the file a suitable name (allow the wizard to choose a House Number for you, the real House Number will be discovered later)
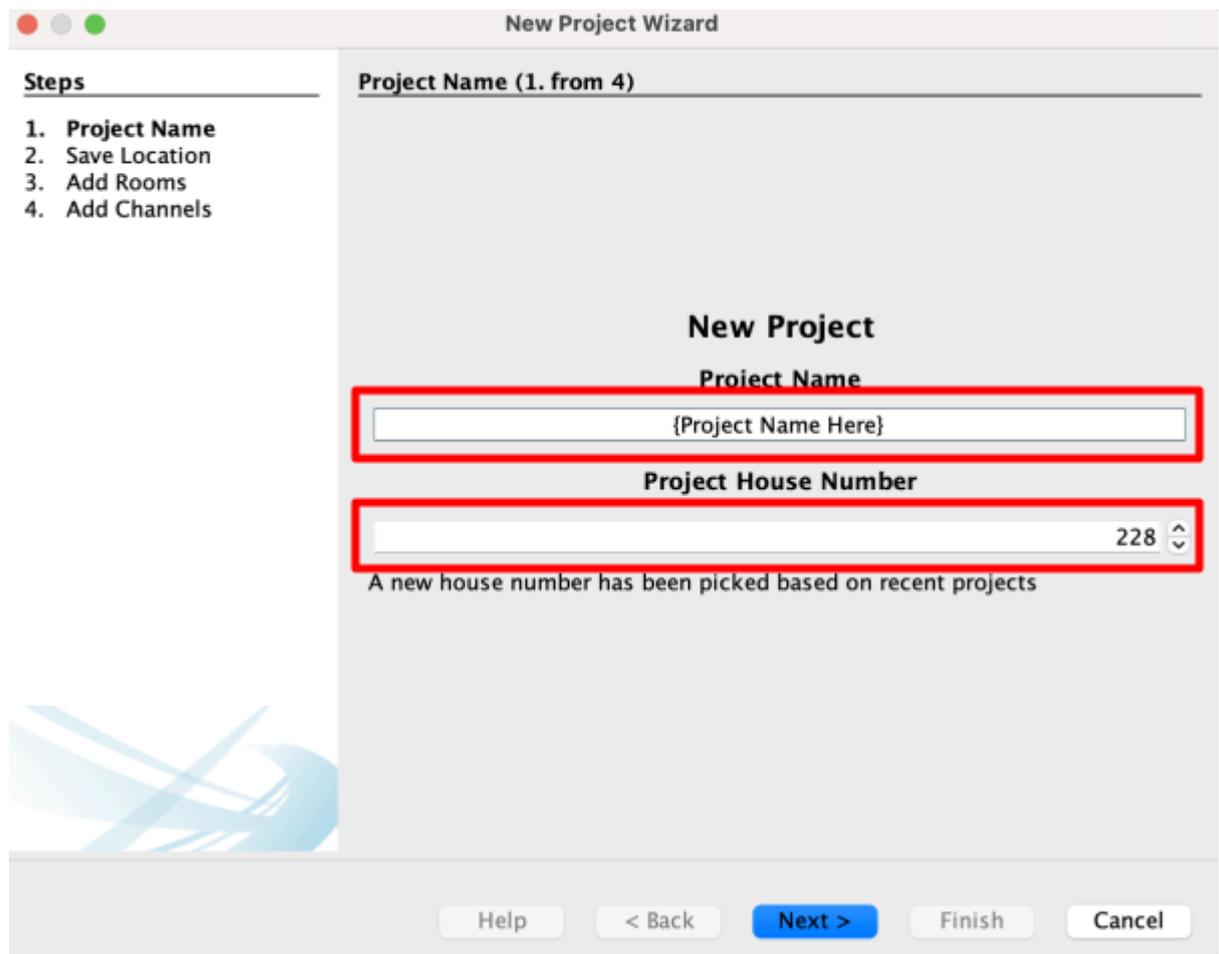
- Click "Next" on the remaining menus; on the final menu, click "Finish" to create a blank project file

Step 2 Connect to the HUB/Bridge

- Assuming the computer running the software is connected to the same network as the HUB/Bridge it should appear in the communications window in the bottom right of the screen

- If it fails to appear click the "Refresh" button

- To connect to the HUB/Bridge double click on the "stop sign" so that it changes to the "tick" (as below)

- As this happens a pop-up box will appear. Click "yes" so that the project file House Number changes to the HUB/Bridge (system) House Number
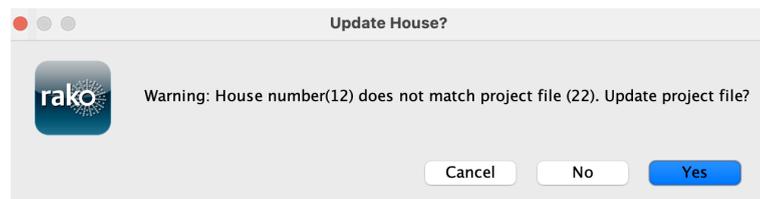
NB
If there is a problem connecting to the HUB/Bridge please refer to the HUB/Bridge programming guides.

Step 3 Add the HUB/Bridge as a device

Once connected to the HUB/Bridge, it must be added as a Device to Rasoft Pro to download the Room, Channel and Level data.

- Go to 'File > New Device'
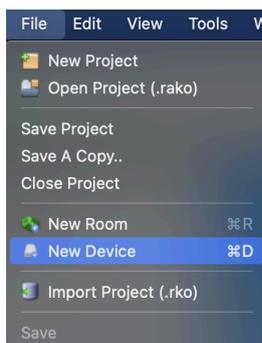
- Click 'HUB/Bridge' and 'Next'
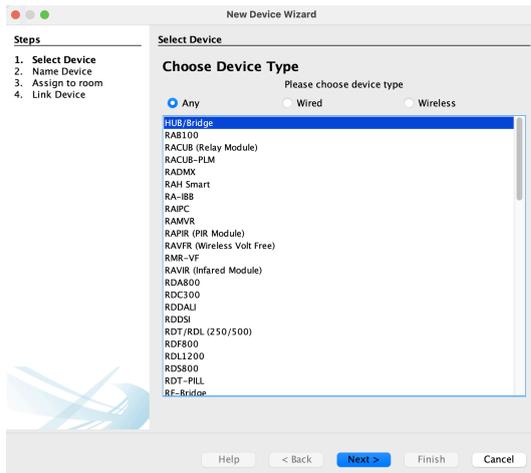
- The IP address of the HUB/Bridge will appear in the next window; highlight it and click 'Finish'
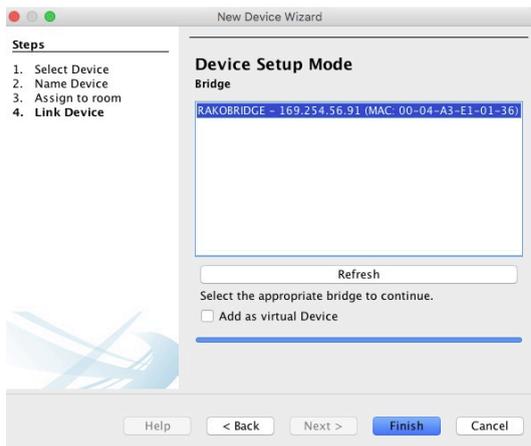
- The HUB/Bridge has now been added as a Device in Rasoft Pro.

Step 4 Importing the Room and Channel data from the HUB/Bridge

- Select the HUB/Bridge in the Device List to open it in the Device Editor

- Select the "Room Import" tab from the top of the Device Editor, this will open a page as below
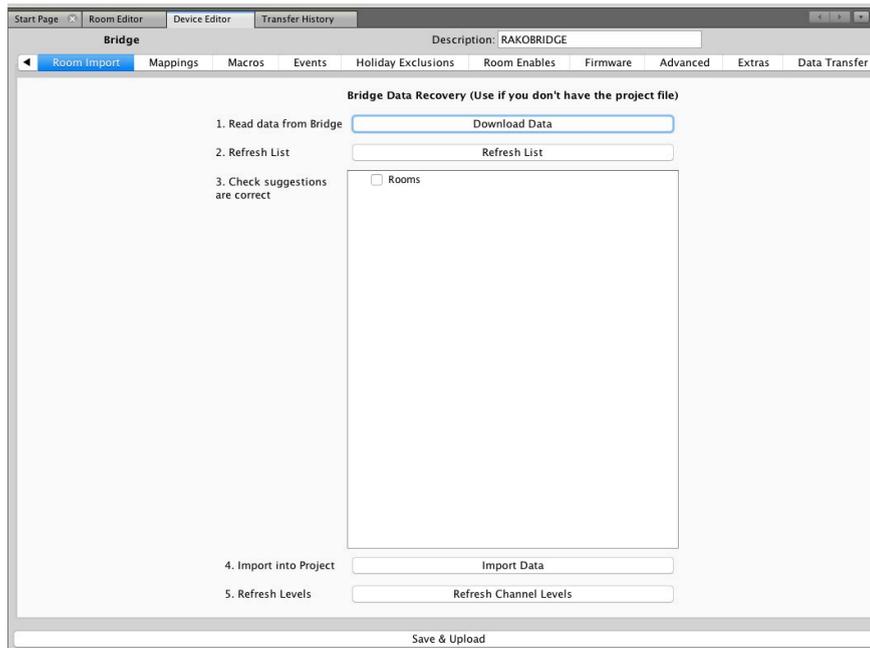
- Press the "Download Data" button at the top of this page. This will open the data for preview on this page
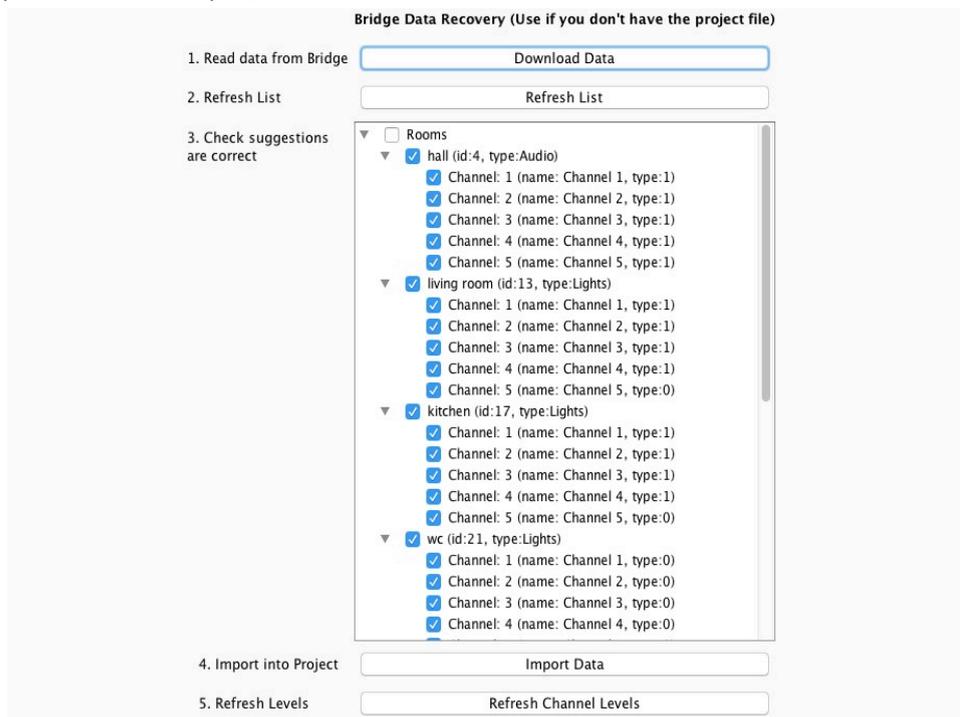
- Press "Import Data" to write the Room and Channel information into the Project File

- Press "Refresh Channel Levels" to write the Scene data into the Project File

- The Project File will now have the Room, Channel and Level data imported.

Step 5 Data Transfer Download

Additional data can be retrieved from the HUB/Bridge such as Events and Macros.

- Select the HUB/Bridge in the Devices section

- Select the Data Transfer tab

- To download <u>all</u> sections, select 'Download'
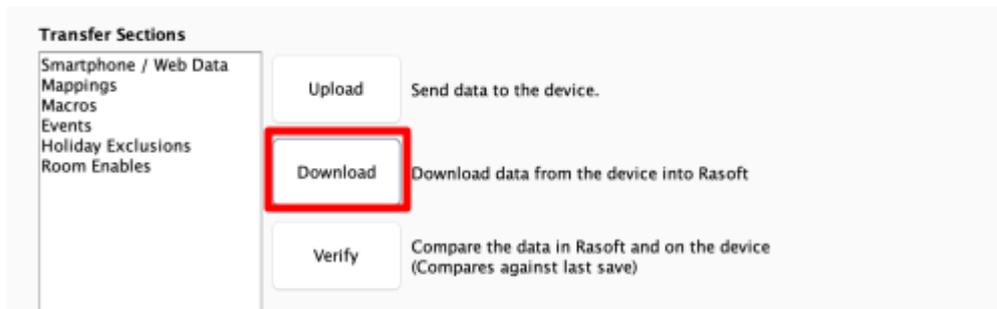
- A window will appear showing 'No sections selected, transfer all?' select 'Yes'
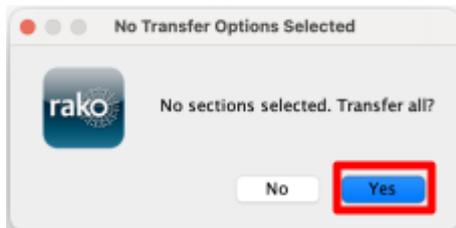
- After the progress bar window has cleared, the newly downloaded sections will be in the Project File.

<u>NB</u>
Individual sections can be downloaded by highlighting them and selecting 'Download'.

Step 6 Scanning the wired network for devices

- Press the "Scan Wired Network for devices" button at the top of the device list
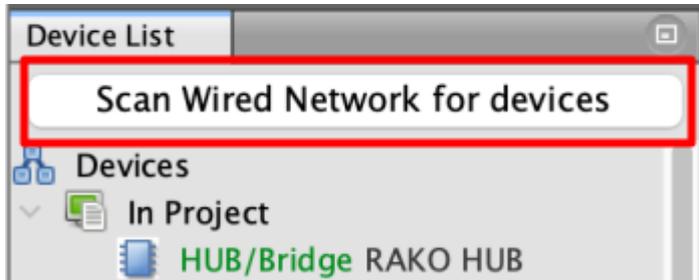
- Select 'Fast Scan'

NB
This warning is to stop this button from being used to scan new systems on default settings, scan wired network is intended to download devices from a programmed system only.

- Once the scan has finished, discovered devices will show under the 'Discovered (Not In Project) section

- Right-click on 'Discovered (Not In Project)' and select 'Import All'
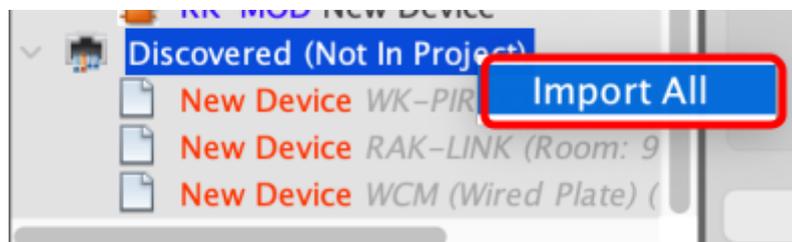
NB
Individual devices can also be imported by right-clicking on each one in the "Discovered (Not in Project) list.

- To confirm the devices have successfully imported into Rasoft and the Project File, the icon for the device will be blue.
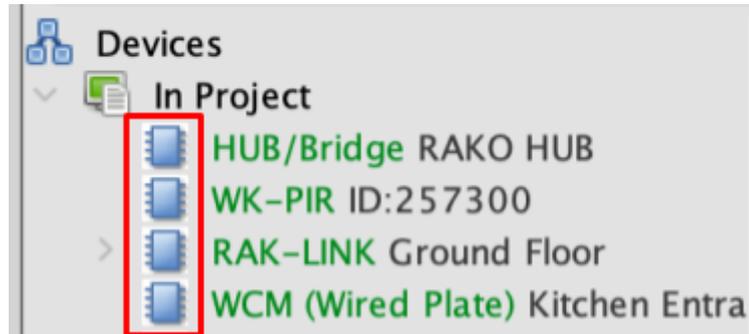
- Confirm the devices are online by selecting each imported device and checking the device status, it should say 'Online: Version X.X.X'.

- Individual devices can also be imported by right clicking on each one in the "Discovered (Not in Project)" list.

- The Project file for the system has now been created.

Thank you for choosing Rako Controls; we hope that you are pleased with your system. Should you require further assistance, please contact us via our website, www.rakocontrols.com, or by calling our customer support helpline on 01634 226666.

Troubleshooting

Fault description	Possible Solution
'Wired network fault' when scanning for wired networks.	Check the wiring of the Wired Devices for short circuits. Check the power on the Rako Wired Network is above 12VDC by measuring the Brown and Orange twisted pairs: Brown/White - +15V DC Brown - 0V DC Orange/White - +15V DC Orange - 0V DC Isolate the Rako Wired Network down to a single RAK-LINK and scan the wired network again, if the RAK-LINK imports successfully, there is likely a network error on the remaining devices.
Rooms and/or Channels do not appear during Step 4 of importing.	The HUB/Bridge may not have had Room or Channel data uploaded to it when it was originally commissioned. Take note of the Room and Channel numbers on the RAK-LINK imported devices and create Rooms and Channels. Once this is completed, upload to the HUB/Bridge.
I cannot connect to the HUB/Bridge	Check the network connection from the HUB/Bridge to the IP network. Check that there is sufficient power on the Rako Wired Network. Check that there are green and amber lights on the RJ45 network port. Connect the HUB/Bridge directly to a laptop network port and try again, if successful it is likely an issue on the IP network.

Devices do not appear when I scan the wired network in step 6.	Check that all Rako Wired Network devices have sufficient power and that no LEDs are flashing on the keypads. In rare cases, very early Rako Wired Network devices can not be scanned into Rasoft Pro, if this is the case then it is recommended to add the keypads manually. Refer to the Wired System Programming Guide for more information.