Integration Guide

URC Total Control Module for Rako Lighting and Scenes

Developed by AWE Europe

Integration guide – Rako Lighting and Total Control

Contents

System prerequisites and information

This module has been tested using the version of URC software listed below. Please make sure that you update to at least this version before deploying this module.
TC3 Accelerator version 3.04.0507.2
It is not compatible with TC1.0 or Accelerator 2.0.

The module uses the Rako Hub using firmware version 3.8.2. It is strongly advised that the Hub is wired to the network.

This guide will not act as a full programming guide for URC's Total Control system, nor as a setup guide for a Rako system. Please contact URC, Rako or the appointed territorial distributor for either brand if further training is required.

Rako Configuration

The module will read data from any room with the type 'Lights' or 'Switch' and has a valid lighting circuit configured. All other rooms will be ignored. If additional channels or scenes are added to the Rako program after programming of the Total Control system, please reboot the MRX to poll in the new data.

Please note that when using 4 channel RGB dimmers, only the primary channel will have the colour picker option for RGB selection.

Installing the module in Accelerator

In order to use any module in Accelerator, you first need to import it successfully.

Select File > Import tcm, and then navigate to the tcm file contained in the downloaded pack. This module is a .tcm3 file type. You should then see the following window:
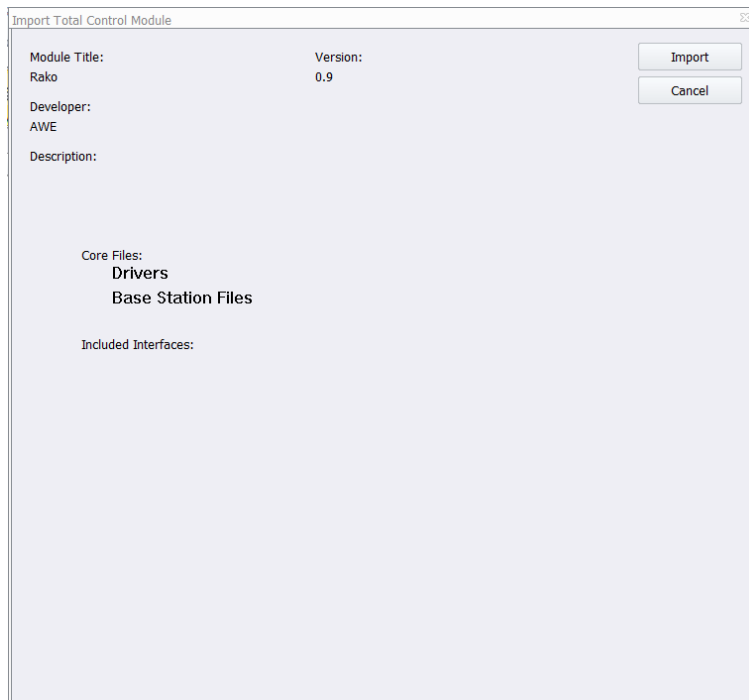
Select import and then fully restart Accelerator. The module should now be ready to use.

Step 4 – Add Other Devices

To add the module to your program, in step 4, select My Database, Two-way / Advanced Modules and the category is Lighting. If the module has imported correctly, your columns should show Rako, and you should select Hub [Core].

Please only add one core to the program. It can be configured to appear in any room.

Step 6 – Network Settings

Non URC Device
The module requires the Hub to either have a static IP address assigned to it, or be held on the same IP address by MAC address reservation in the router. Please add that IP address in step 6. The port number is set by default and should be left as 9762.

Step 7 – Properties Manager

Ignore all options except Unified Module Setup.

Use this step to configure which rooms will have access to either lights or scenes.

Unified Module - Room Selection

Select Unified Module

- **Lighting Control**
- Scenes Control

Select Unified Module Rooms

- ☑ Office
- ☑ Lounge
- ☑ Kitchen

[Select All] [Clear All]

Common device modules are controlled from the Unified Module. This allows control over multiple systems of the same type from one interface.

Choose which rooms the Unified Module will be generated in by selecting the Unified Module type in the list, then checking the box next to the rooms where the Unified Modules should be created. Each Module type can have a unique list of rooms.

Selected rooms will have a button that jumps to the Unified Module added to the user interface when "Accelerate" is used.

Deselecting a room will not erase the button after it has been generated. Buttons must be manually removed or the Accelerate with erase option must be used.

[Reset Unified Modules on All Clients]

[Apply] [Cancel]

Unified Module - Room Selection

Select Unified Module

- Lighting Control
- **Scenes Control**

Select Unified Module Rooms

- ☑ Office
- ☐ Lounge
- ☑ Kitchen

[Select All] [Clear All]

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[Reset Unified Modules on All Clients]

[Apply] [Cancel]

Step 11 – Edit User Interfaces

Click Accelerate here as normal.

By default, buttons to access to the Lighting Control module is placed on the Main Menu and the Scenes Control is placed in the Entertainment sub-menu. Move this button into the desired location such as the Settings sub-menu.

Step 12 – Macro Editing

Accelerate as normal in step 12.

Download the program

It will only require a download to the main processor to initialise this module. Please note that if it has already been enabled, it may take up to 3 minutes after a download has finished for the module to start. This is normal as the processor will be gathering information from the Rako system.

2-Way Module Commands
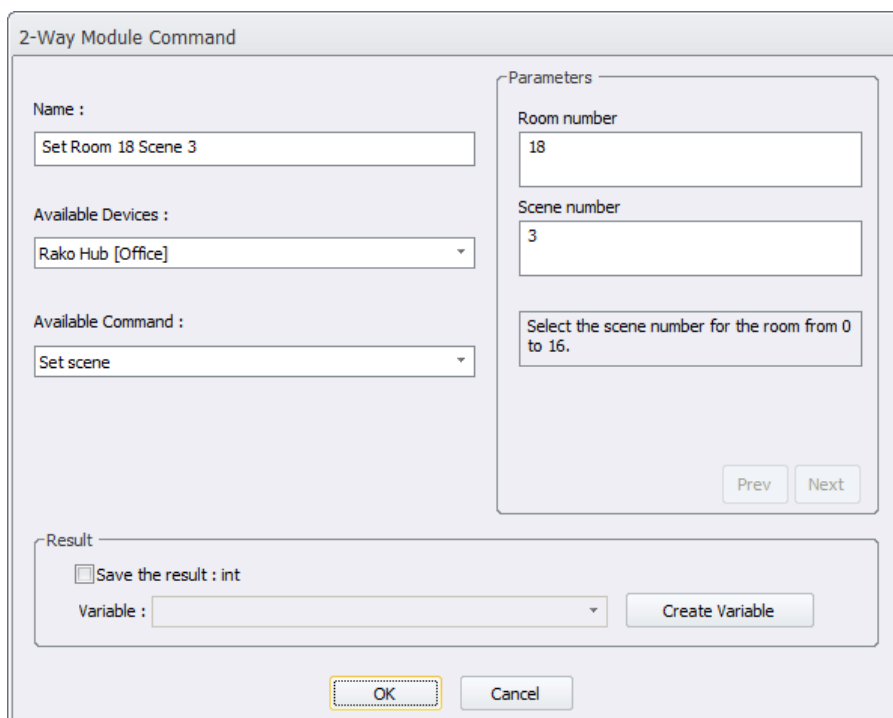
2-way module commands allow the programmer to incorporate features of the module into macro programming e.g., for astronomical scheduling or a 'watch movie' macro.

When the pop-up window appears, select Rako Hub in Available Devices. Give the command a name and then choose one of two options.

Set Scene

This command allows you to activate a pre-programmed scene in a given area.

Set Channel Level

This command lets you access an individual channel and change its level.

Please note:

- Use 0 to change all channels in an area.
- Levels are measured from 0 – 255.

Set RGB

This command lets you set the colour of an RGB-capable circuit using RGB values.

If you are using a standard mode RGB dimmer with 4 channels, please select the first of those four channels to appear in Rasoft Pro.

Device Events

Device Events allow you to react to outside triggers and use them in the Total Control platform.

Scene Activation

The URC processor can trigger an event in programming whenever this scene is activated in the Rako system.

Fade

This event can be triggered when a room begins to fade in a particular direction. It is strongly advised that you combine it with a Fade Stop command.

Fade Stop

This is triggered when the fade button in the room is released.

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