INTEGRATION GUIDE

URC® INTEGRATION for TAHOMA® SWITCH



INTEGRATION GUIDE

URC® INTEGRATION for TAHOMA®

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I. INTRODUCTION

The Somfy Organization's strength has been demonstrated with 50 years of experience in motorization. As leaders in the shading industry with innovative and modern solutions for homes and commercial buildings, Somfy offers the widest range of strong, quiet motors and controls for all types of applications and technologies.

Who is this Guide for?

This guide is aimed at providing support and guidance to URC® Integrators for achieving complete automation of Zigbee® and Radio Technology Somfy® (RTS) motors with the TaHoma® switch.

What does this Guide contain?

The sections of this guide contain walkthroughs and methods of controlling Zigbee and RTS devices using the TaHoma® switch as the bridge between URC and Smart Shading by Somfy.

For questions or assistance please contact technical support:
(800) 22-SOMFY (76639)
Get answers to your questions from our Somfy FAQ page: www.somfysystems.com/en-us/support/faq
Follow the steps to access Service & Support.

How should this Guide be used?

This guide is intended to be used as a reference manual.

II. OVERVIEW

The Somfy TaHoma® switch provides a single platform for Somfy Zigbee and RTS with a wide range of interior and exterior applications.

- The TaHoma system supports up to 60 Zigbee motors (max. 50 WireFree), 10 smart plugs, 15 remotes, and 40 channels of RTS
- Join up to 10 TaHoma switch hubs for multi-zone control (RTS only)
- The TaHoma system supports a maximum of 40 scenes with schedules per install

Each TaHoma switch is connected to Wi-Fi or directly to the local area network by an optional Ethernet adaptor for IP Integration with third-party control systems. TaHoma is compatible with the Somfy Synergy™ API.

Details of this controller and commissioning instructions are available in the Somfy TaHoma pro Dealer Version Programming Guide.

RESOURCES & APPLICATIONS

Visit www.somfypro.com for the following guides:

- Somfy TaHoma pro Dealer Version Programming Guide
- Somfy RTS Pocket Programming Guide

Subscribe to the Somfy YouTube Channel www.youtube.com/somfysystems

Visit Somfy U for all the training you need – your pace, your place www.somfyu.com

Visit the Google Play or iOS App Store for the TaHoma by Somfy app:

SCAN ME

SYSTEM REQUIREMENTS

PC running Windows 10 or higher

URC Accelerator 2 software or higher

URC TaHoma by Somfy Shade Control Module

III. INSTALLATION

BUTTONS & INDICATORS

TaHoma® switch #1871037
TaHoma® switch (with Ethernet Adaptor) #1871038

TOP LED BEHAVIOR

BLUE
WI-FI SETTING PROCESS

WHITE
WI-FI SEARCH – 2 TIMES
WI-FI LOST – 1 TIME

RED
SCENE STOPPED - SOLID
CONNECTION OUTAGE - BLINKING

OFF
STANDING BY

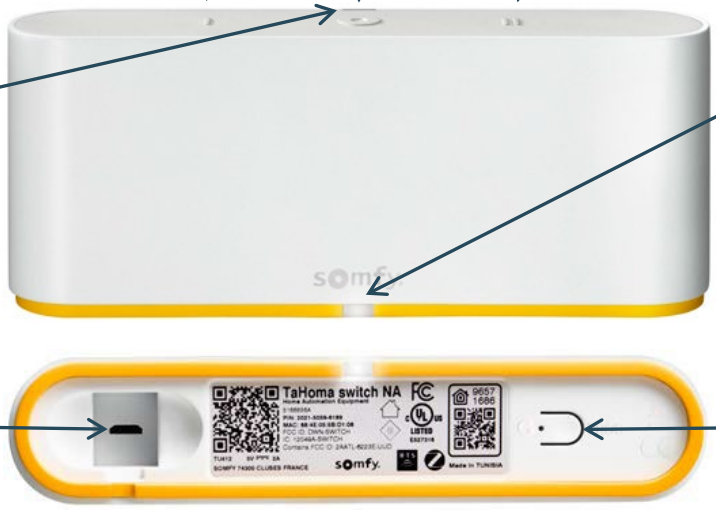
AMBER
RESTARTING

GREEN
TAHOMA PRO MODE

Scene 1 Button
Control customized scene 1

Stop Button
Stop scene underway

Scene 2 Button
Control customized scene 2



BOTTOM LED BEHAVIOR

WHITE
POWERED,
CONNECTED TO CLOUD SERVER – SOLID
(CAN BE DEACTIVATED)

RED
POWERED,
NOT CONNECTED TO CLOUD SERVER - SOLID

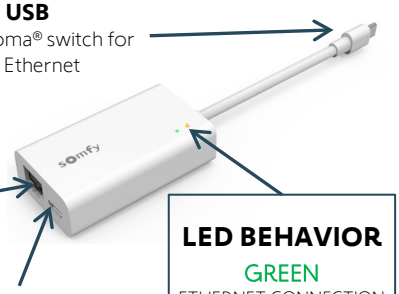
OFF
NOT POWERED

Micro USB Port
Connect power or Ethernet Adaptor

Reset Button
PRESS & HOLD to reset TaHoma switch

TaHoma® Ethernet Adaptor #9028054
(Sold Separately or included with #1871038)
Connect for a wired local area network connection

Micro USB
Connect to TaHoma® switch for power and Ethernet



Ethernet Port
Connect to network router or switch

Micro USB Port
Connect power through Ethernet Adaptor

LED BEHAVIOR

GREEN
ETHERNET CONNECTION

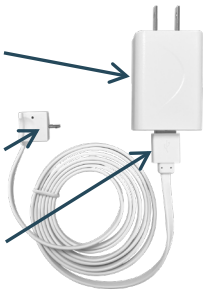
AMBER
DATA TRANSFER

Plug-in Power Supply Required
(Included with TaHoma® switch)
Connect to line-voltage to power TaHoma switch

Power Supply
Plug-in Transformer to line-voltage outlet

Micro USB
Connect power to TaHoma switch

Standard USB
Connect cable to Transformer



Ysia 1 & 5 Zigbee Remotes
Ensure the remote is powered.
Pressing any button will illuminate the LED(s).
Status LED will blink RED if the battery level is not sufficient for programming.
NOTE: Check the charge of the batteries in the remote

Ysia 1 Zigbee #1871153
Ysia 5 Zigbee #1871154

Status LED Indicator
Commands and Zigbee network activity

UP Button

MY/STOP Button

DOWN Button

Channel LED Indicator
Show channel selected

Channel Selection Button
To select channel

Programming Button
To pair and reset products

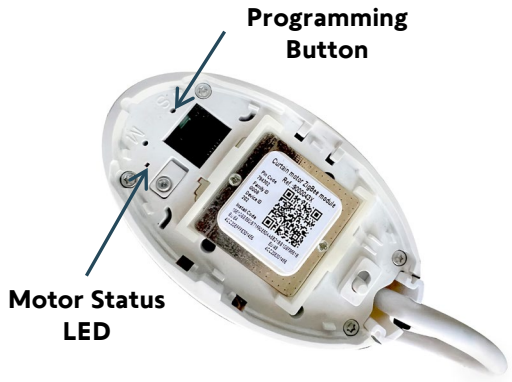


BUTTONS & INDICATORS

WAKING THE MOTOR:

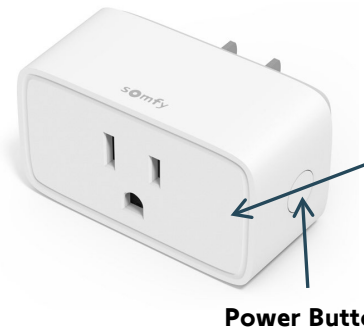
Ensure the motor has required power available.
Using a small paper clip or similar, BRIEFLY PRESS the Programming Button on the head of the motor
OR
PLUG IN the battery supply/charger.
The motor will jog (briefly move up and down), and the LED will illuminate GREEN for 2 seconds.
The LED will blink AMBER continuously during programming.

DRAPERY MOTOR



Smart Plug Zigbee #1871217

Ensure the Smart Plug is plugged into a properly powered outlet.
QR Code and power button are on opposite sides of the plug.



LED BEHAVIOR

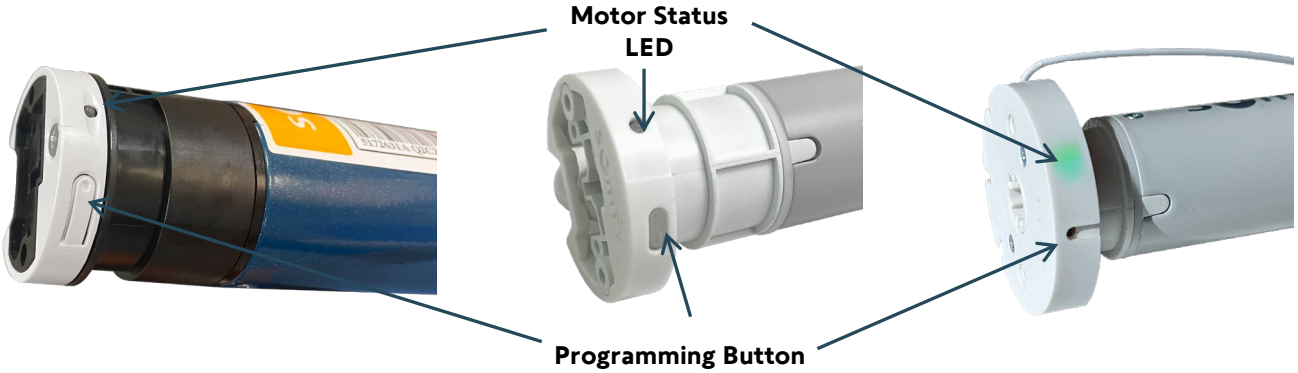
RED
SOLID 3s– NOT CONNECTED
POWERED – OUTPUT OFF

AMBER / GREEN
FLASHING – PAIRING MODE

GREEN
SOLID 3s – CONNECTED
POWERED – OUTPUT ON

OFF
NOT PAIRED
NOT POWERED

ROLLER MOTORS



Sonesse® 40 120V AC Zigbee shown above

Sonesse® 30 24V DC Zigbee shown above

Sonesse® 30 ULTRA WireFree Li-Ion Zigbee shown above (Same for Sonesse® WireFree™ motors)

MOTOR STATUS LED BEHAVIOR

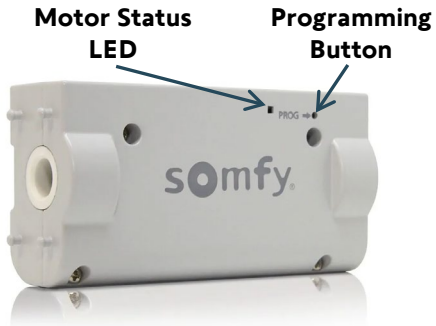
AMBER
MOTOR IS NOT SET
IN SETTING MODE
IN ADJUSTMENT MODE

GREEN
MOTOR IS CHARGING
CONFIRMED SETTING

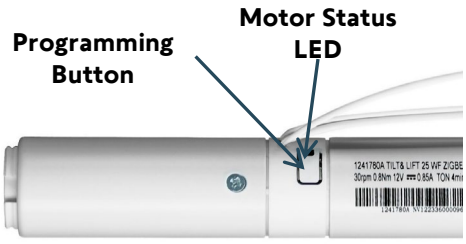
RED
LOW BATTERY CHARGE
THERMAL PROTECTION
IMPOSSIBLE SETTING

NOT ILLUMINATED ONCE
PAIRED AND OPERATIONAL

TILT MOTOR



CORD LIFT MOTOR



IV. SYSTEM PREPARATION

SOMFY SYSTEM

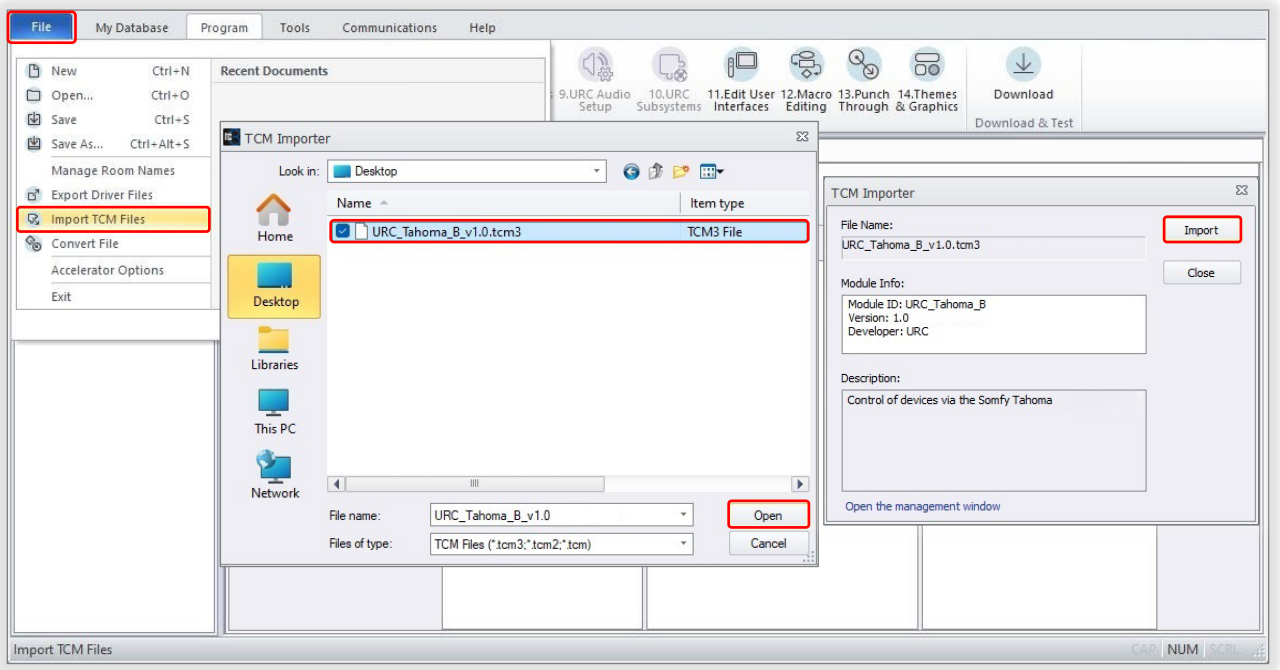
A fully operational TaHoma system is required prior to URC programming. The TaHoma system supports up to 60 Zigbee motors (max. 50 WireFree), 10 smart plugs, 15 remotes, and 40 channels of RTS. RTS devices programmed to an RTS channel will only receive commands from the associated TaHoma switch hub. Hubs must be placed within 25-35' of the devices they control.

- Confirm with the Shade Commissioning Agent that the TaHoma switch firmware is up to date
- An Integration Report is generated in the TaHoma app which will include the TaHoma switch PIN and IP address
- Ensure that a DHCP Reservation via MAC Address of the TaHoma switch is being used
- Third-Party Integration must first be enabled in the TaHoma by Somfy app

URC SYSTEM

Visit the URC Portal for Accelerator documentation and additional programming instruction.

1) DOWNLOAD the TaHoma by Somfy Shade Control Module from the URC Dealer Portal
2) In Accelerator, ensure the completion of Program Steps 1 through 3 "1.Name & Location," "2.Add Rooms," and "3.Add URC Devices" for the project
3) Once connected to the URC Base Station, IMPORT the Somfy TaHoma Module:
   a) SELECT the "File" tab
   b) SELECT "Import TCM Files"
   c) BROWSE for, then SELECT the Somfy TaHoma Module file
   Example: URC_Tahoma_B_v1.0.tcm3
   d) SELECT "Open"
   e) SELECT "Import"

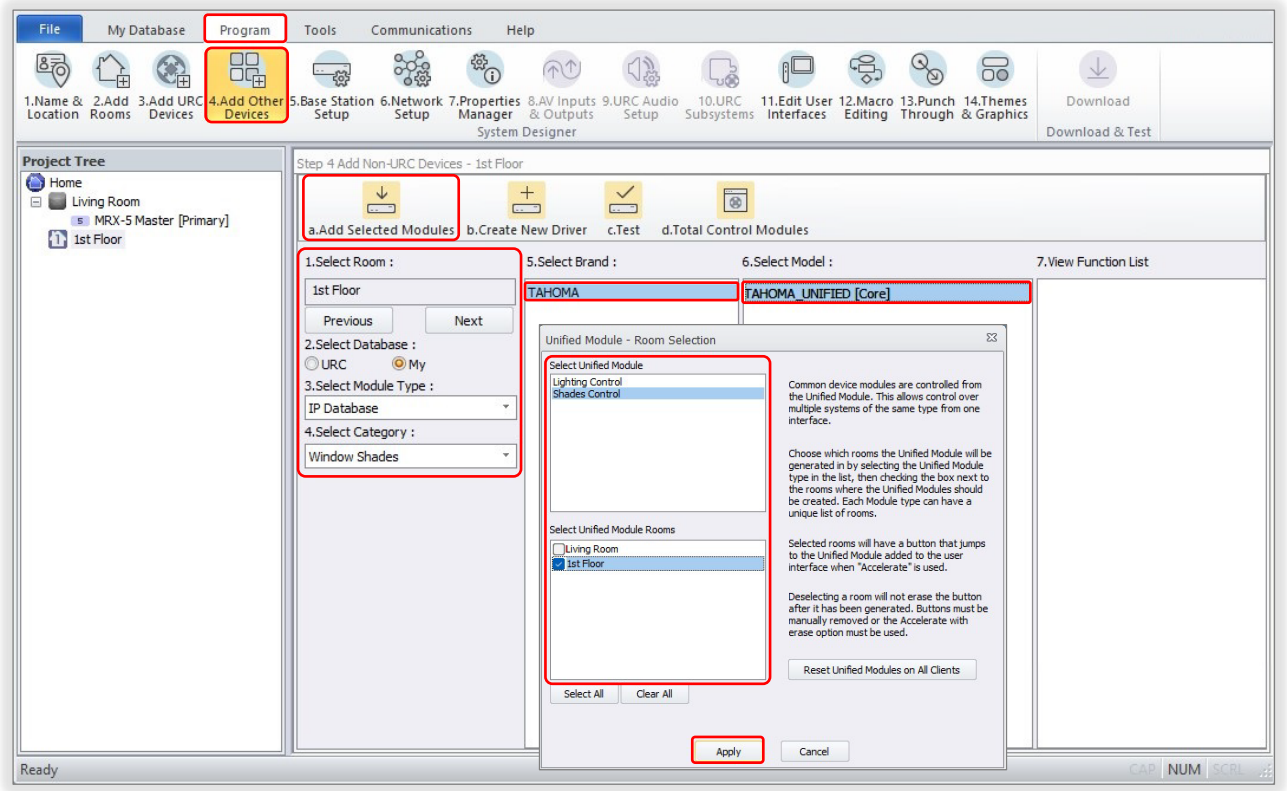


V. SETUP

ADD CORE MODULE

A TaHoma Core Module is required for each physical TaHoma switch installed.

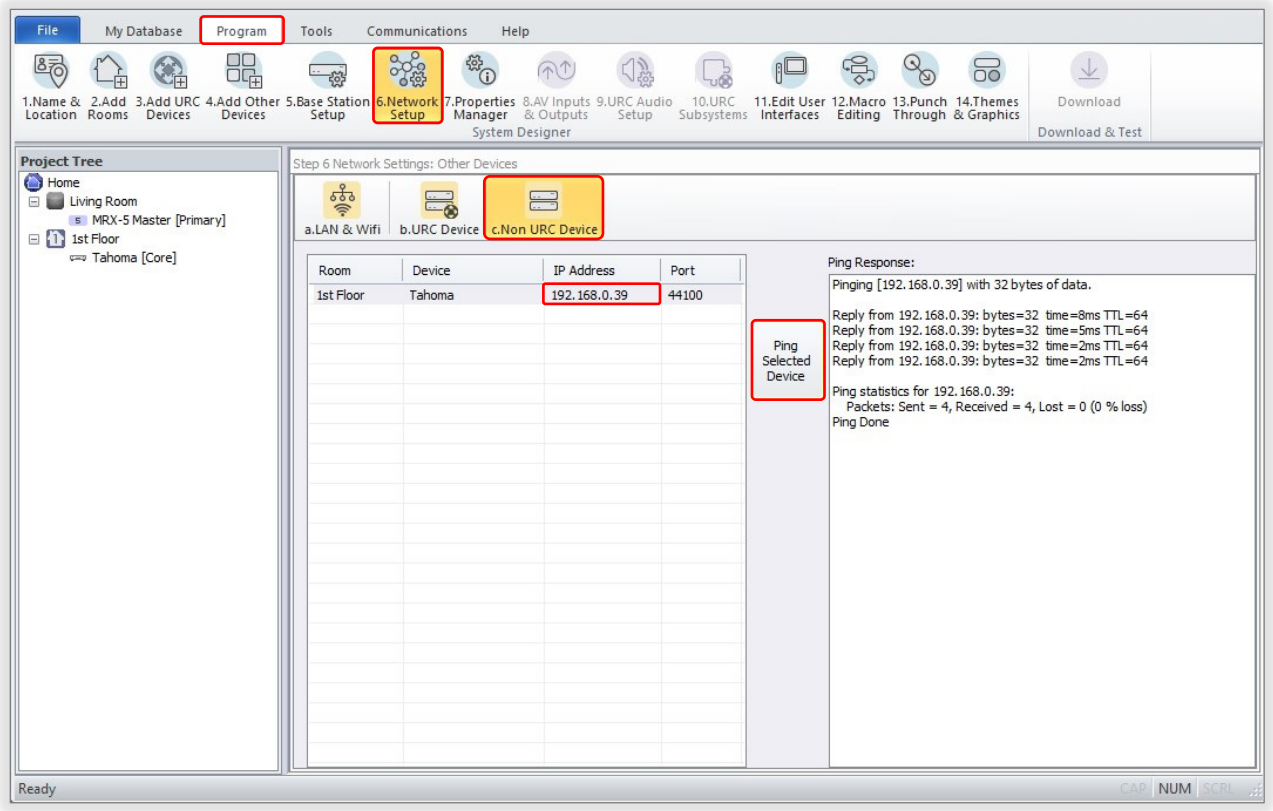
1) SELECT the "Program" tab to access the Accelerator programming bar
2) SELECT "4.Add Other Devices"
3) SELECT the current room using the "Previous" or "Next" buttons, or SELECT the room in the Project Tree
4) SELECT "My" under 2.Select Database
5) SELECT "IP Database" under 3.Select Module Type
6) SELECT "Window Shades" under 4.Select Category
7) SELECT "TAHOMA" under 5.Select Brand
8) SELECT "TAHOMA_UNIFIED [Core]" under 6.Select Model
9) SELECT "a.Add Selected Modules"
10) SELECT which rooms to provide access to the Unified Module for:
    a) Lighting Control – SELECT Lighting Control, then SELECT the rooms for lighting control to be accessible
    b) Shades Control – SELECT Shades Control, then SELECT the rooms for shade control to be accessible
    Example: Shades Control for the 1st Foor
11) SELECT "Apply"



NETWORK SETUP

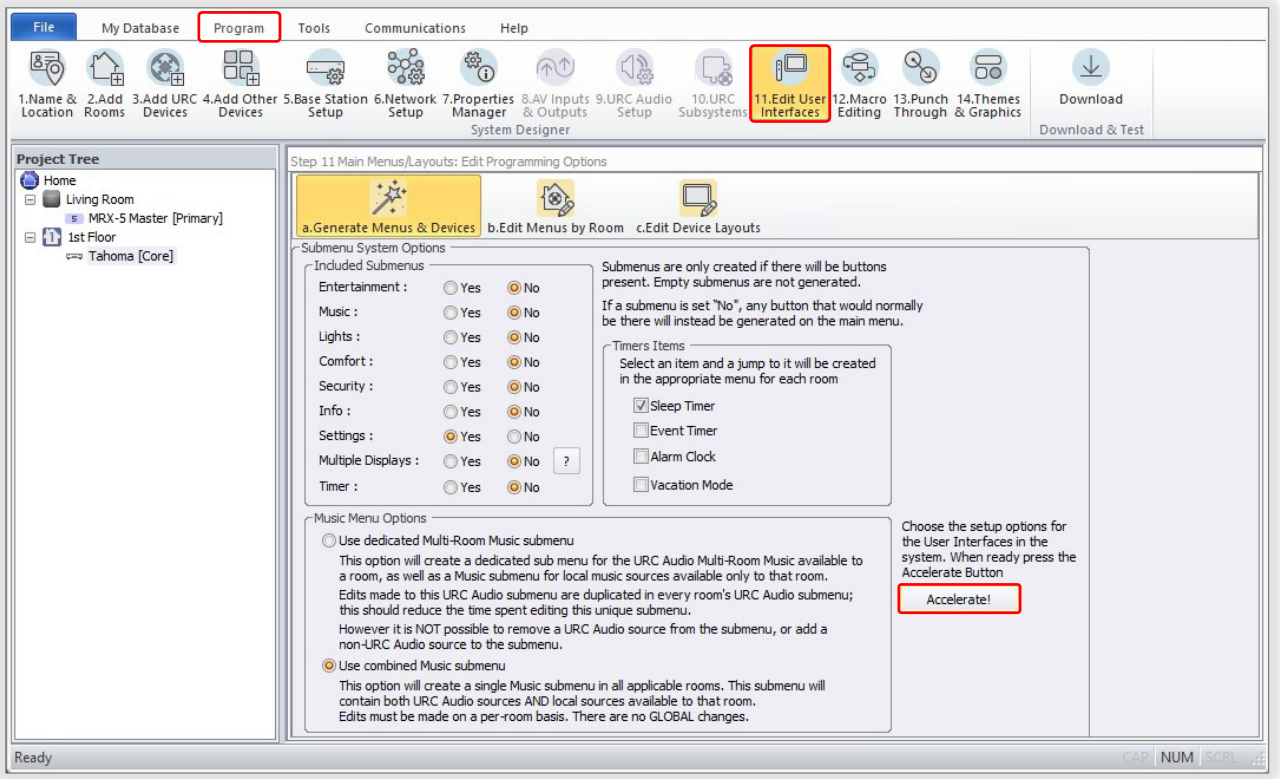
Refer to Appendix A of this guide to enable Third-Party Integration in the TaHoma app. Refer to the Integration Report for the TaHoma switch IP address. Ensure that a DHCP Reservation via MAC Address of the TaHoma switch is being used.

1) SELECT the "Program" tab to access the Accelerator programming bar
2) SELECT "6.Network Setup"
3) SELECT "c.Non URC Device"
4) ENTER the IP Address of the TaHoma in the IP Address field
   Example: 192.168.0.39
5) PRESS "Enter" key on keyboard
6) SELECT the Device, then SELECT "Ping Selected Device" to confirm the network connection with the TaHoma

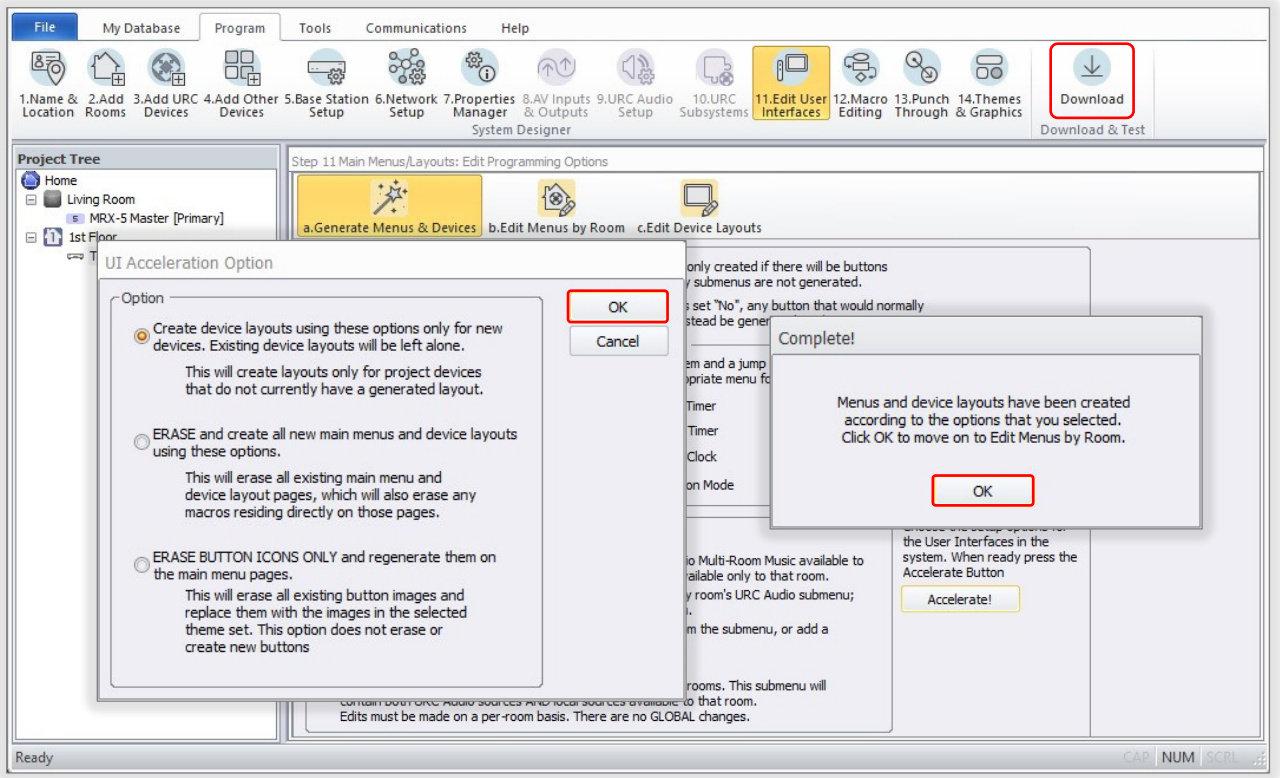


EDIT USER INTERFACES

1) SELECT the "Program" tab to access the Accelerator programming bar
2) SELECT "11.Edit User Interfaces"
3) SELECT "Accelerate!"



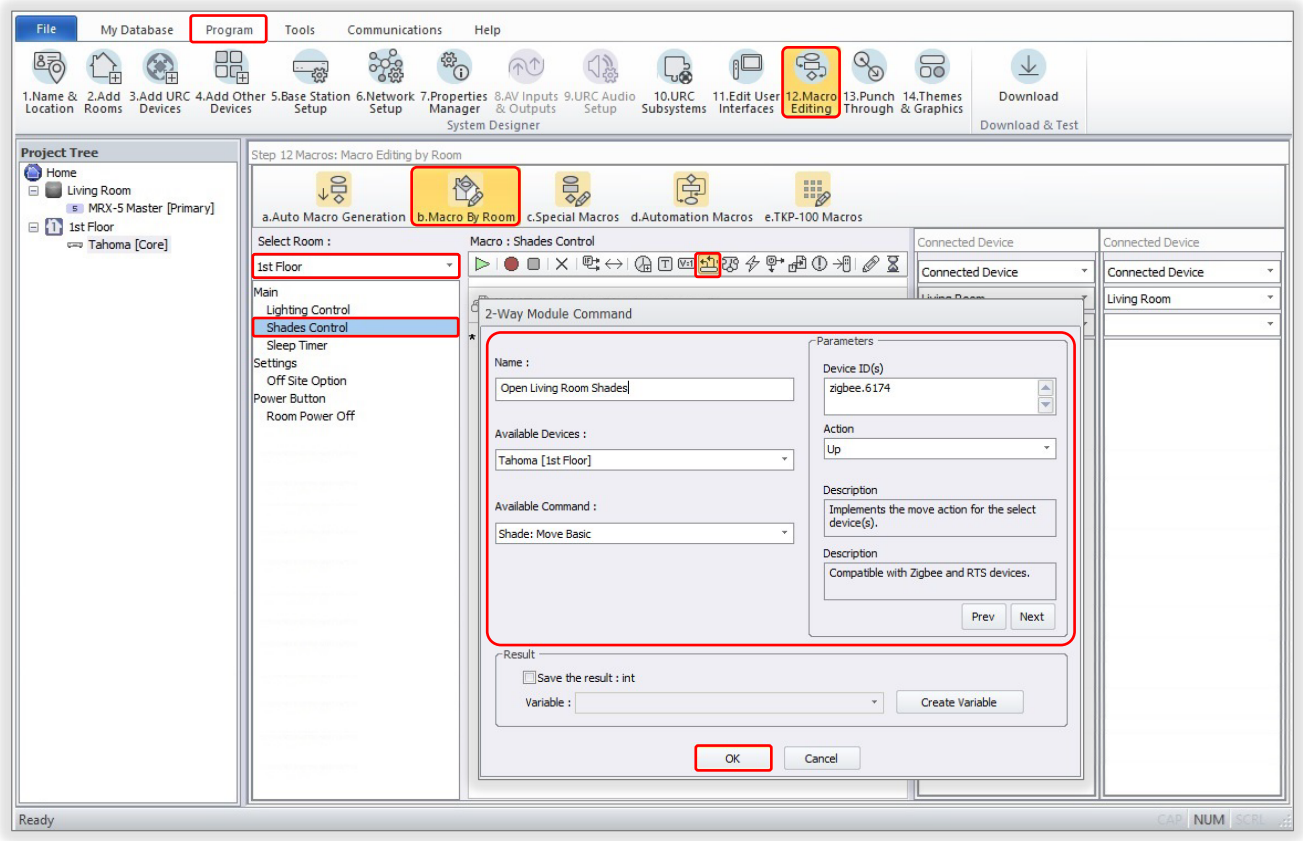
4) SELECT "OK" to create the device layouts, then SELECT "OK" to edit menus by room where necessary
5) SELECT "Download" when complete



MACRO EDITING

Macro editing is required for Zigbee devices to create Two-way Module Commands. Refer to Appendix A of this guide to enable Third-Party Integration in the TaHoma app and reference the Integration Report for the TaHoma device IDs. Refer to Appendix B for a list of Somfy TaHoma specific commands to select for each two-way Module.

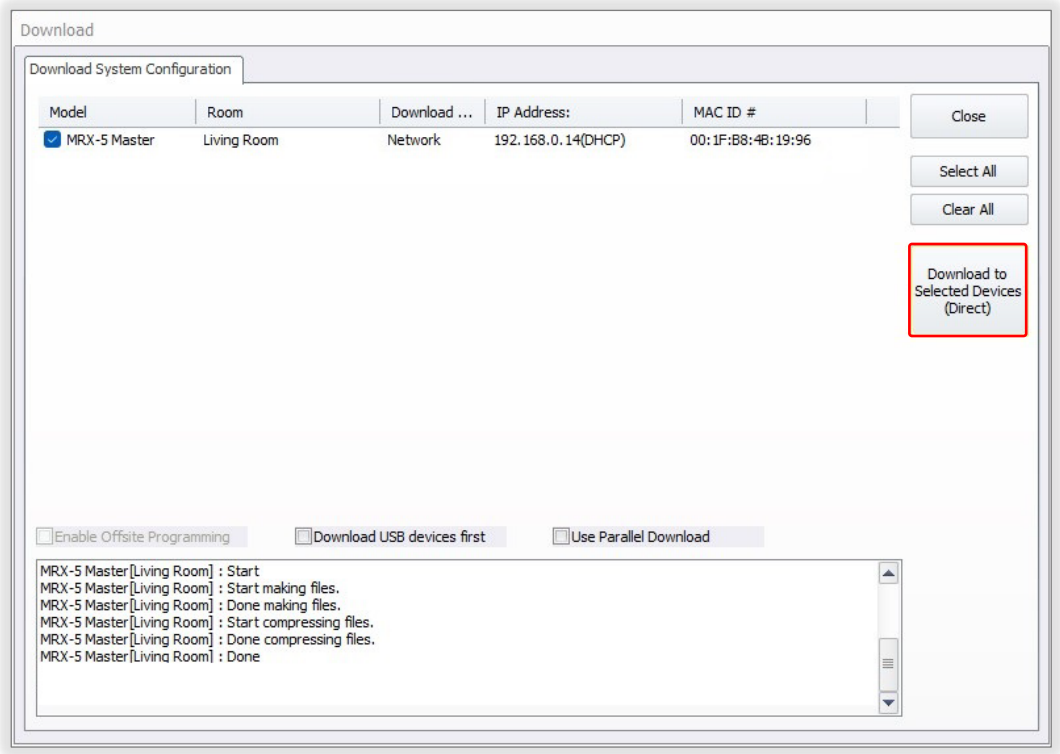
1) SELECT the "Program" tab to access the Accelerator programming bar
2) SELECT "12.Macro Editing"
3) SELECT "b.Macro By Room"
4) SELECT the room
   Example: 1st Floor
5) SELECT the macro
   Example: Shades Control
6) SELECT the "TCL Command" icon
7) In the "2-Way Module Command" window:
   a) ENTER a name for the 2-Way Module Command
      Example: Open Living Room Shades
   b) SELECT the available device
      Example: Tahoma [1st Floor]
   c) SELECT the available command
      Example: Move Basic
   d) ENTER the device ID(s) associated with this command
   e) SELECT an action
      Example: Up
   f) SELECT "OK"



SAVE & DOWNLOAD SYSTEM CONFIGURATION

1) SELECT the "Program" tab to access the Accelerator programming bar
2) SELECT "Download"
3) Accelerator will prompt to save changes, SELECT "OK"
4) BROWSE to a file location, TYPE a name for the TCM3 file, then SELECT "Save"
5) In the Download window, SELECT the URC device to download to
6) SELECT "Download to Selected Devices"





INITIALIZE & TEST

Refer to Appendix A of this guide to enable Third-Party Integration in the TaHoma app.
Refer to Appendix B of this guide for a list of Somfy TaHoma specific commands and actions.

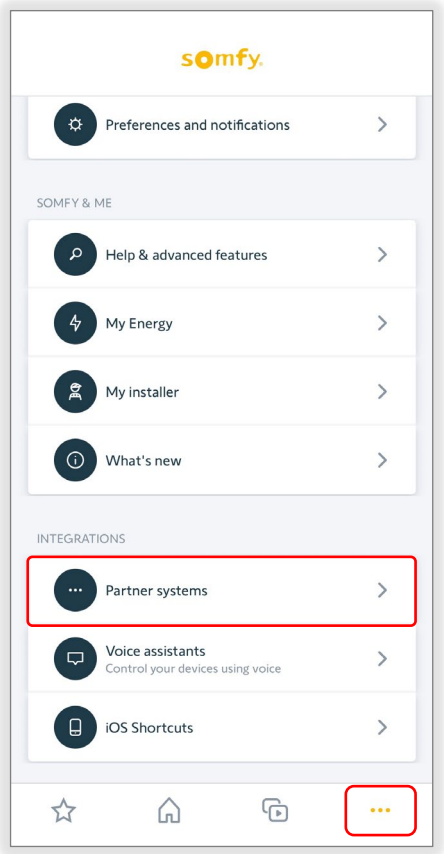
From a URC user interface, complete the following:

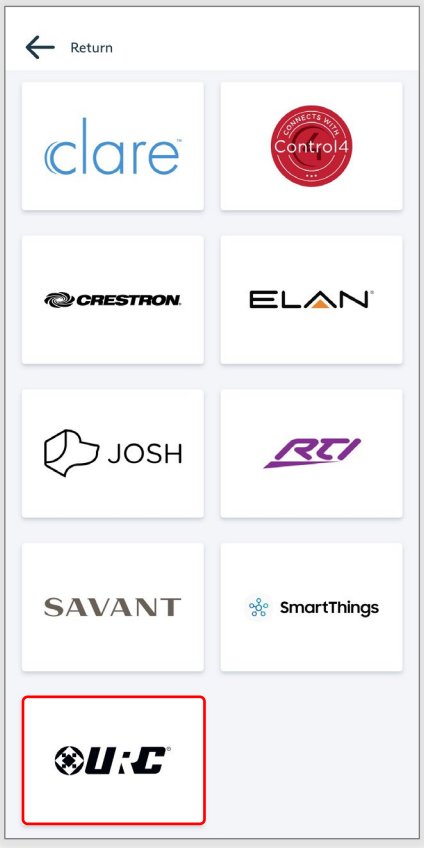
1) SELECT "Shades Control" in the Main Menu
2) SELECT the options icon, then SELECT top icon to enter the Device Setup
3) SELECT the Tahoma to authenticate
4) FOLLOW the onscreen "TaHoma Setup" instructions to enable Third-Party Integration
5) SELECT "Confirm URC Integration"
6) TEST device operation

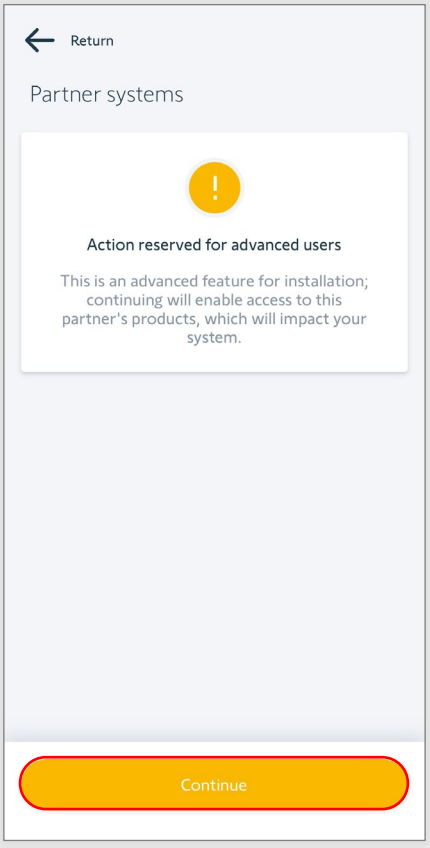
APPENDIX

[APPENDIX A] ENABLE THIRD-PARTY INTEGRATION

1) OPEN the TaHoma by Somfy app
2) SELECT the "Menu" icon in the bottom bar
3) SELECT "Partner systems"
4) SELECT "URC"
5) SELECT "Continue"
   The Integration Report will display all connected products.







[APPENDIX B] AVAILABLE COMMANDS & ACTIONS

TAHOMA ZIGBEE COMMANDS	
Up	Moves product to the open position
Down	Moves product to the closed position
Stop	Stops product when moving
My	Moves product to the programmed "my" position if at rest
Percentage	Moves product to a percent position closed (0-100)

TAHOMA ZIGBEE LIGHTING COMMANDS	
Off	Turns power off to lighting device or small appliance
On	Turns power on to lighting device or small appliance
Toggle	Turns lighting device or small appliance off or on

TAHOMA RTS COMMANDS	
Up	Moves product to the open position
Down	Moves product to the closed position
Stop	Stops product when moving
My	Moves product to the programmed "my" position if at rest
Tilt Up	Tilts product open*
Tilt Down	Tilts product closed*

**Tilt close and tilt open are only available for tilting products.*

FOR QUESTIONS OR ASSISTANCE PLEASE CONTACT TECHNICAL SUPPORT:

(800) 22-SOMFY (76639)

Get answers to your questions from our Somfy FAQ page: www.somfysystems.com/en-us/support/faq

Follow the steps to access Service & Support.

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About Somfy®

For over 50 years, Somfy has been pioneering innovative motorization and automated solutions for window coverings and exterior shading products. With comfort, ease of use, security, and sustainability in mind, our seamless and connected solutions are designed to help people make the move to living spaces impactful for humans and with a reduced impact on nature.

A BRAND OF SOMFY GROUP

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