INTEGRATION GUIDE

CONTROL4® INTEGRATION for TAHOMA® SWITCH



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VERSION 1.2 | FEBRUARY 2026

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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 Control4® 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 TaHoma® switch as the bridge between Control4 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 the following:

- 60 Zigbee products of up to 50 WireFree motors, 10 smart plugs, 15 remotes
- 10 TaHoma hubs for up to 40 channels of multi-zone RTS control
- 40 scenes with schedules

Each TaHoma connects to 2.4 GHz Wi-Fi or local area network via an optional Ethernet Adaptor for IP integration with third-party control systems leveraging Somfy Synergy™ API.

RESOURCES & APPLICATIONS

Visit www.somfypro.com for the following resources:

- Somfy TaHoma pro Dealer Version Programming Guide
- Help me by Somfy app

Visit Somfy U for all the training you need - your pace, your place www.somfyu.com
Subscribe to the Somfy YouTube Channel www.youtube.com/somfysystems

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

SCAN ME

SYSTEM REQUIREMENTS

Control4 Composer Software OS 3.0 or higher
Control4 Somfy TaHoma Interface driver
Control4 Somfy TaHoma Blind driver
Control4 Somfy TaHoma Lighting driver

III. SYSTEM PREPARATION

SOMFY SYSTEM

A fully operational TaHoma system is required prior to Control4 programming. Refer to the Overview section of this guide for TaHoma system limits.
RTS devices programmed to an RTS channel will only receive commands from the associated TaHoma.
Each TaHoma must be placed within 25-35' of the devices they control.

- Confirm with the Shade Commissioning Agent the TaHoma firmware is up to date
- Ensure a DHCP reservation via MAC address of the TaHoma is being used
- An Integration Report is generated in the TaHoma app which includes the TaHoma PIN and IP address

CONTROL4 SYSTEM

An updated and fully operational Control4 system is required prior to TaHoma integration. SDDP is supported.

IV. SET UP

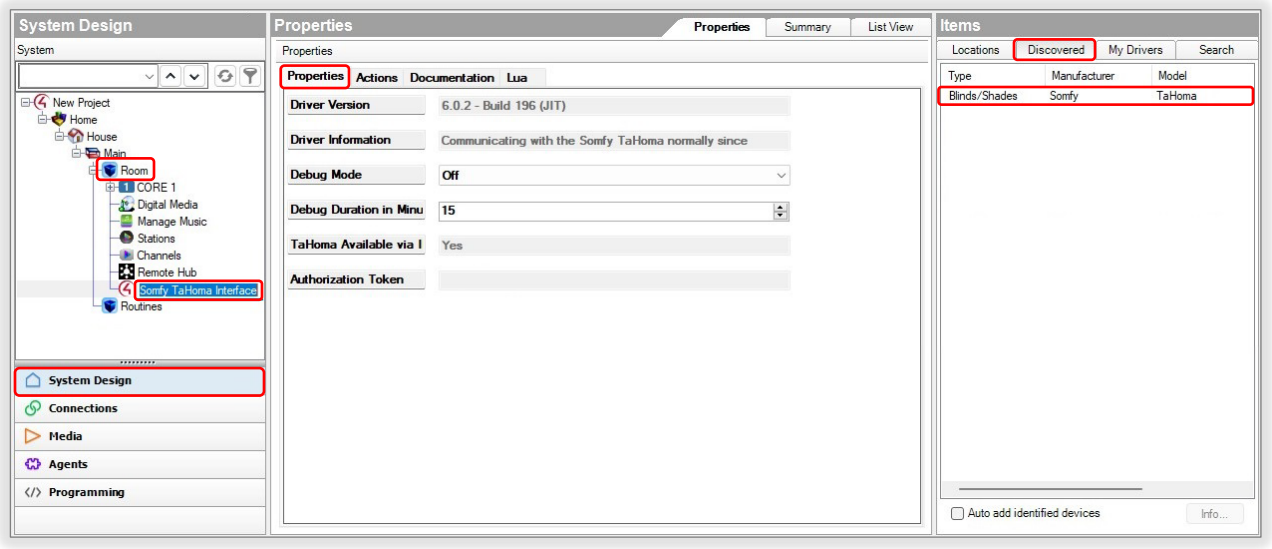
ADD TAHOMA INTERFACE TO PROJECT

Refer to the Somfy TaHoma Driver Set details located in the driver Documentation tab. A Somfy TaHoma Interface driver is required for each TaHoma installed. Refer to the TaHoma Integration Report for the TaHoma PIN and IP address.
Add the TaHoma Interface to the project via SDDP Discovery or by searching the Composer Driver Database.

Add the TaHoma Interface via SDDP Discovery:

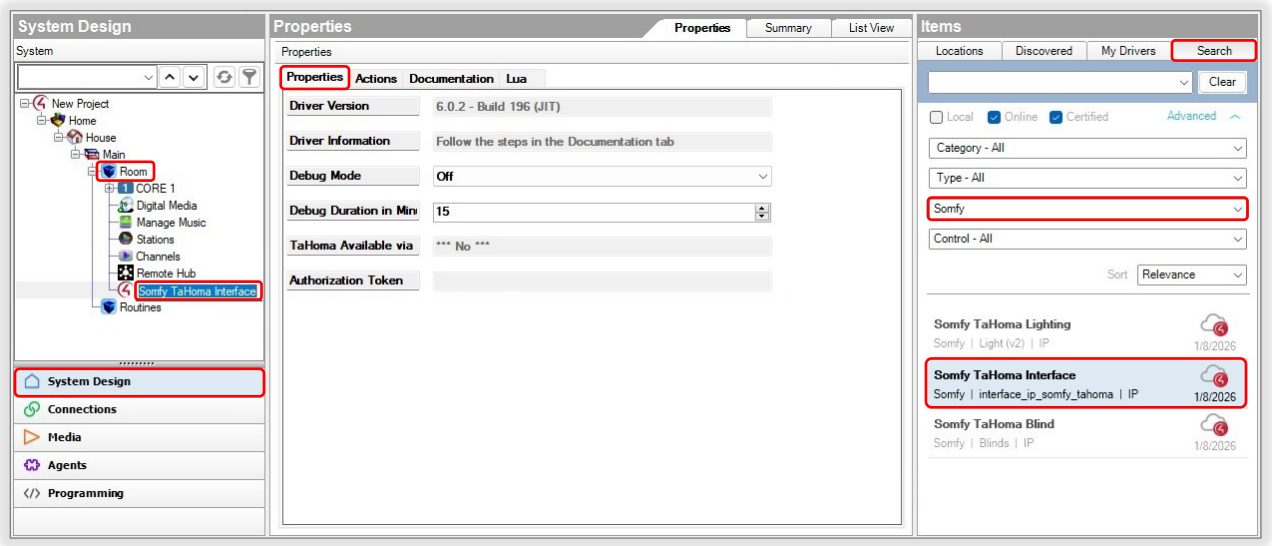
1) In the Composer System Design view, Project tree, SELECT a Room in which a device is to be added
2) In the Items pane, SELECT the "Discovered" tab
   With multiple TaHoma hubs, each TaHoma is identified by the TaHoma PIN and IP address.
3) ADD the TaHoma to the project, automatically connecting the IP address
4) RENAME the device to the associated location or room
5) In the device Properties tab, VERIFY the Driver Information status displays "Communicating with the Somfy TaHoma normally"

   Proceed to the Request Authorization Token section of this guide.

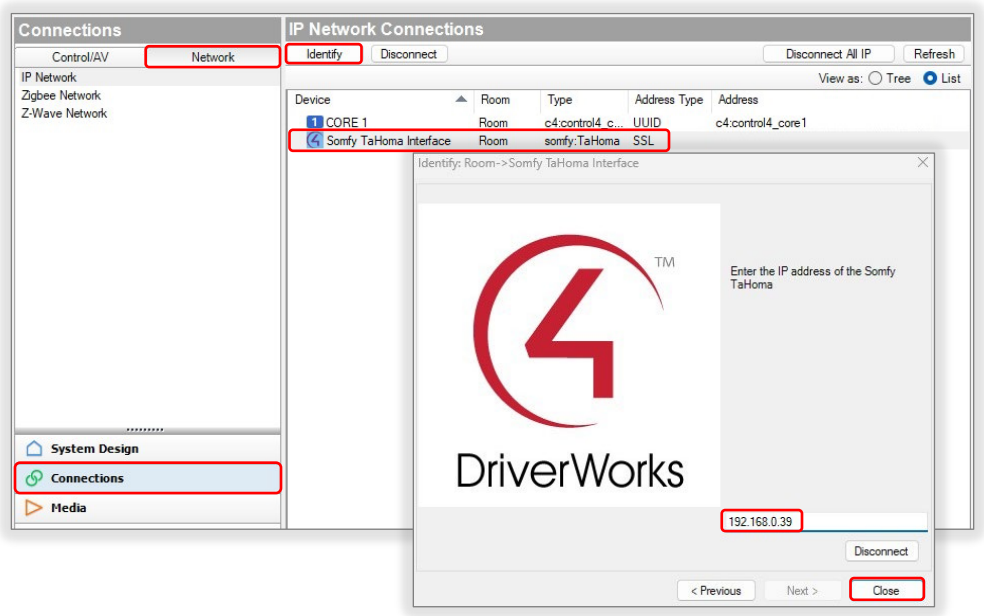


Add the TaHoma Interface via searching the Composer Driver Database:

1) In the Composer System Design view, Project tree, SELECT a Room in which a device is to be added
2) In the Items pane, SELECT the "Search" tab
3) In the Manufacturer dropdown list, SELECT "Somfy"
4) ADD the "Somfy TaHoma Interface" driver to the project
5) RENAME the device to the associated location or room



6) In the Connections view, SELECT the "Network" tab
7) In the IP Network Connections pane, Device list, SELECT the Somfy TaHoma device, then SELECT "Identify"
8) ENTER the IP address of the TaHoma
9) SELECT "Close"



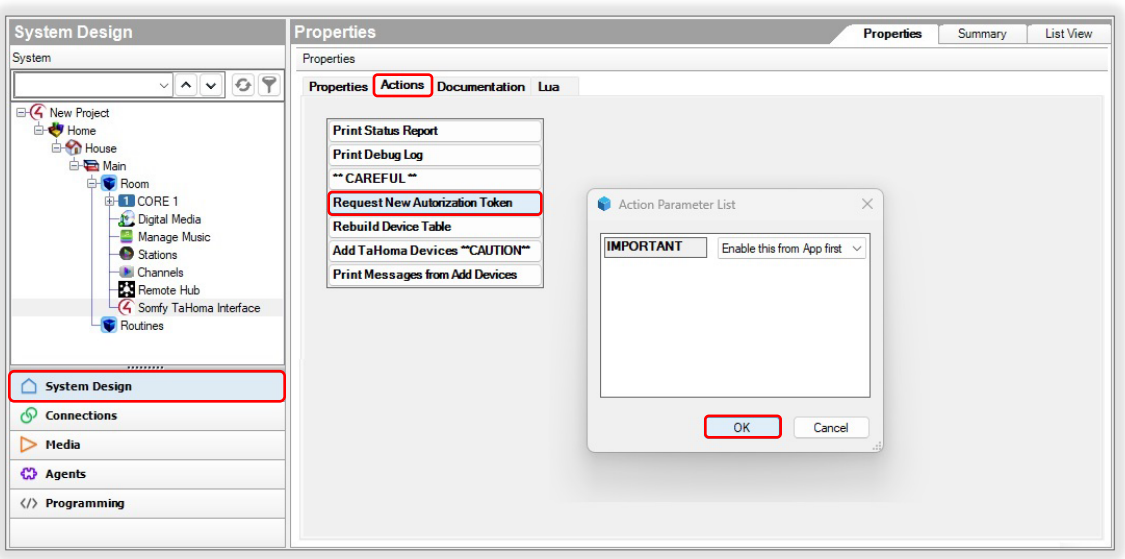
10) Return to the System Design view, device Properties tab to VERIFY the Driver Information status displays "Communicating with the Somfy TaHoma normally"

Proceed to the Request Authorization Token section of this guide.

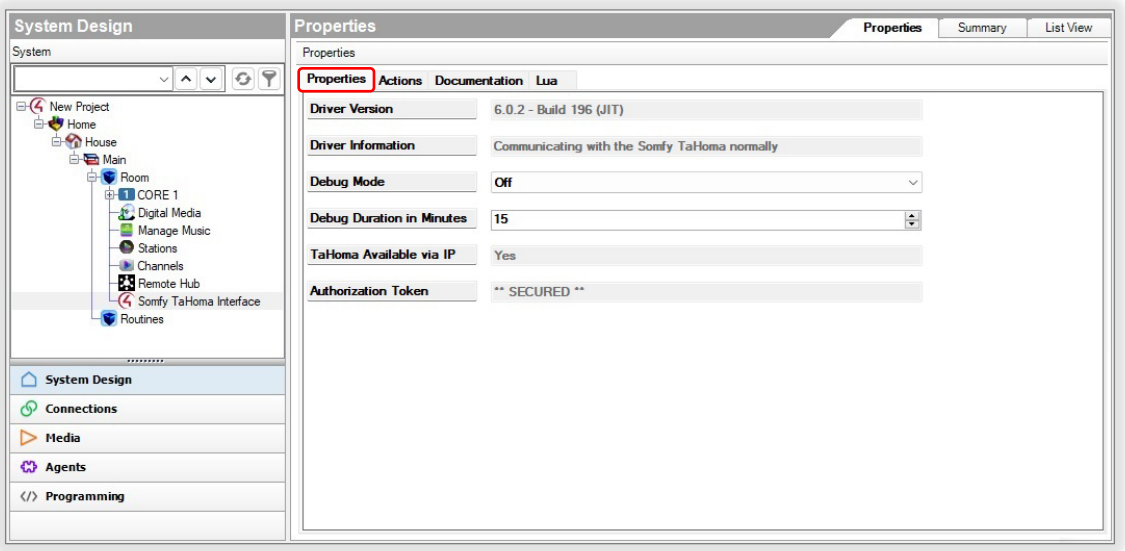
REQUEST AUTHORIZATION TOKEN

An Authorization Token is required for Third-Party Integration and must be enabled first in the TaHoma app.
If a Somfy TaHoma Interface device is deleted, a new Authorized Token must be requested for the Interface device.

1) CONFIRM Third-Party Integration for Control4 is enabled in the TaHoma app
   Refer to Appendix A of this guide to enable Third-Party Integration.
2) In the Composer System Design view, device Actions tab, SELECT "Request New Authorization Token"
3) The Action Parameter List window will display, then SELECT "OK"



4) SELECT the "Properties" tab
5) VERIFY the Authorization Token property displays "** SECURED **"



ADD TAHOMA DEVICES TO PROJECT

Refer to the Somfy TaHoma Driver Set details located in the driver Documentation tab. A Somfy TaHoma Blind/Lighting driver is required for each device or group programmed. Do not use the generic Control4 Blind Group driver. The TaHoma Interface driver is designed to automatically add all TaHoma devices and groups. Add TaHoma devices to the project via the TaHoma Interface driver or by searching the Composer Driver Database.

Understanding the TaHoma Interface Driver Actions & Operations:
Refer to the LUA Output to view the status of the below driver actions.

Actions

Print Status Report prints the connection status and the current devices list.
Print Debug Log prints the debug log.
Request New Authorization Token requests a new Authorization Token after the token has been created in the TaHoma app.
Rebuild Device Table syncs the known devices in the Interface driver with the known devices associated in the TaHoma app.
Add TaHoma Devices automatically adds the respective device drivers based on the products in the TaHoma app.
Print Messages from Add Devices prints the messages produced during the Add operation to verify the process completed as expected.

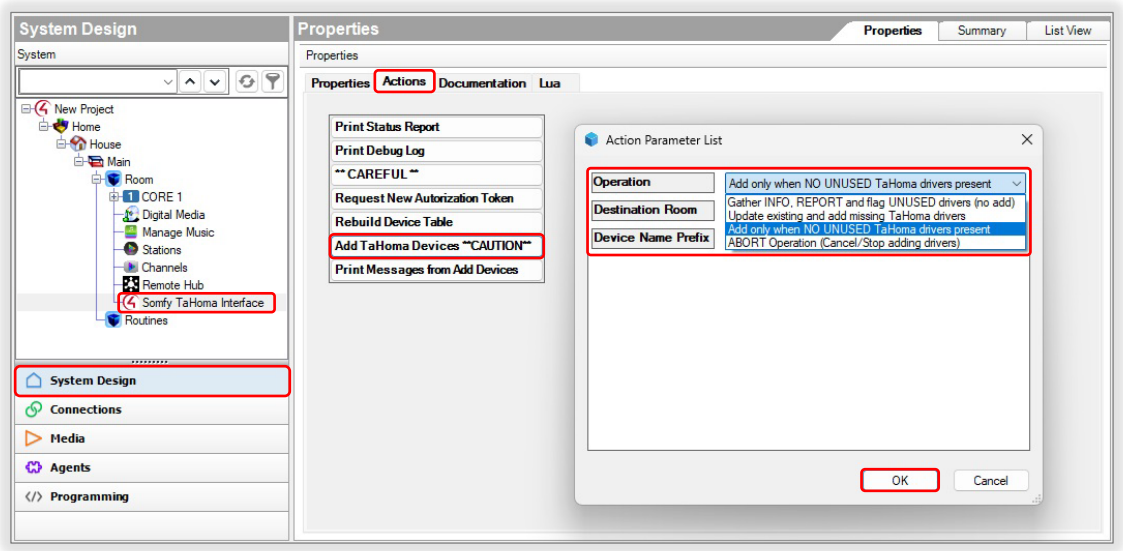
Operations

Gather INFO, REPORT and flag UNUSED drivers previews all devices and groups in the TaHoma app prior to adding to the project.
Add only when NO UNUSED TaHoma drivers are present adds all devices and groups in the TaHoma app to the project.
Update existing and add missing TaHoma drivers adds any devices or groups that have been added after the initial programming in the TaHoma app.

Destination Room is the desired room in which the device drivers will be added. If no room is selected, then the device drivers will be added into the room containing the Interface driver.
Device Name Prefix is a desired prefix to be added to each new device name (the default is 'TAH_'). Each device and group added will contain this name prefix, including the Zigbee or RTS IDs listed in the TaHoma Integration Report.

Add TaHoma Devices via the TaHoma Interface driver:

1) In the Composer System Design view, Project tree, SELECT the Somfy TaHoma Interface Actions tab
2) SELECT the "Add TaHoma Devices **CAUTION**" action
3) In the Action Parameter List, SELECT "Gather INFO, REPORT and flag UNUSED drivers," then SELECT "OK"
   Review the LUA Output to ensure all TaHoma devices to be added are listed.
4) Return to the Action Parameter List, SELECT "Add only when NO UNUSED TaHoma drivers present"
   If desired, select a Destination Room in the Project tree and enter a Device Name Prefix.
5) SELECT "OK"
   Allow the operation time to complete as each device is added to the Project tree. Run the above driver actions if necessary.

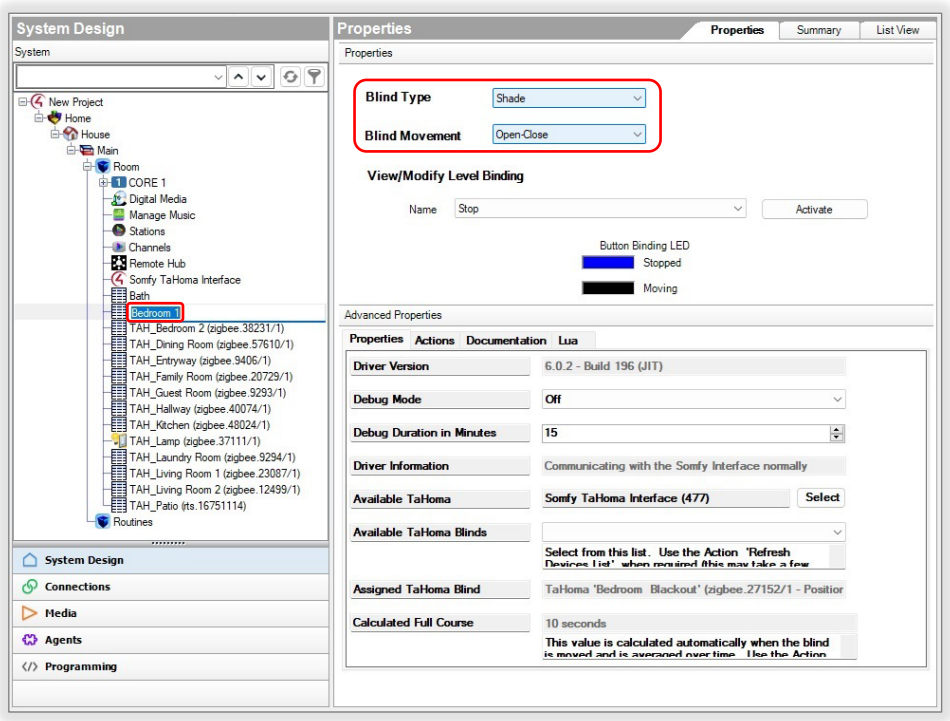


6) Return to the Project tree, then RENAME the devices to the associated location or name of the product

7) For TaHoma Blind drivers:
    a) SELECT the appropriate Blind Type for the product in the dropdown
    b) SELECT the appropriate Blind Movement for the product in the dropdown

8) For both Blind and Lighting drivers, in the device Properties tab, VERIFY:
    a) The device Driver Information status displays "Communicating with the Somfy TaHoma Interface normally"
    b) The Available TaHoma displays the associated TaHoma Interface
    c) The Assigned TaHoma Blind/Lighting Device displays the correct device

It is not necessary to select a device from the Available TaHoma Blinds/Lighting Devices dropdown if one is already assigned. To change the assigned device, perform the "Refresh All Devices List" action, then return to the Available TaHoma Blinds/Lighting Devices dropdown to select the desired device. Refer to the Add TaHoma devices via searching the Composer Driver Database section of this guide to manually add a TaHoma Blind or Lighting driver to the project.



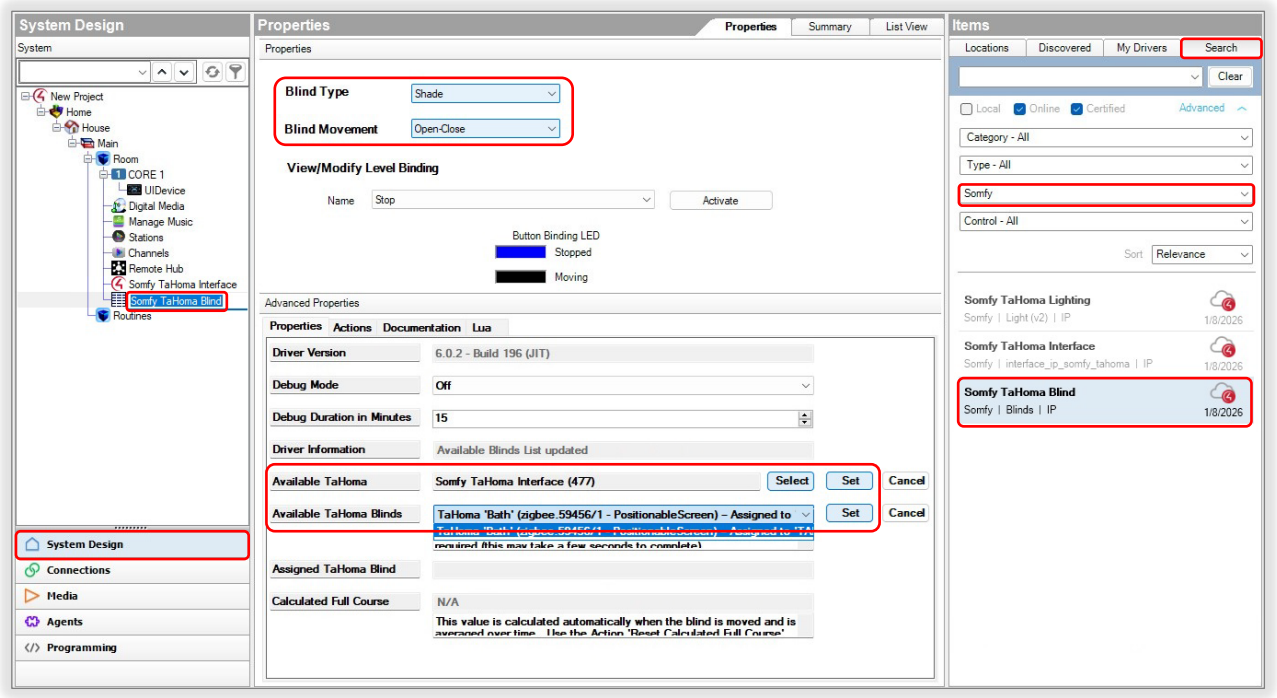
9) Refresh Navigators to update all user interfaces with the new programming

10) TEST operation of the product
    Refer to the Test Operation section of this guide to test the product.

For Zigbee motors, operate each product from the fully open to fully closed position to record the Calculated Full Course. This operation is required for the Stop command to be available while the product is moving. The Calculated Full Course value is averaged over time. Perform the "Reset Calculated Full Course" action as necessary to clear and calculate a new time.

Add TaHoma devices via searching the Composer Driver Database:

1) In the Composer System Design view, Project tree, SELECT a Room in which a device is to be added
2) In the Items pane, SELECT the "Search" tab
3) In the Manufacturer dropdown list, SELECT "Somfy"
4) ADD the "Somfy TaHoma Blind" or "Somfy TaHoma Lighting" driver to the project
5) RENAME the device to the associated location or room
6) For TaHoma Blind drivers:
    a) SELECT the appropriate Blind Type for the product in the dropdown
    b) SELECT the appropriate Blind Movement for the product in the dropdown
7) For both Blind and Lighting drivers, in the device Properties tab:
    a) In the Available TaHoma property, SELECT "Select"
    b) In the Select devices… window, SELECT the "Somfy TaHoma Interface" in the Project tree, then SELECT "OK"
    c) To the right of the Available TaHoma property, SELECT "Set"
    If devices are not listed, perform the "Refresh All Devices" action to update the list.
    d) In the Available TaHoma Blinds or Lighting Devices dropdown, SELECT the desired device
    e) To the right of the Available TaHoma Blinds/Lighting Devices property, SELECT "Set"



8) Refresh Navigators to update all user interfaces with the new programming
9) TEST operation of the product
    Refer to the Test Operation section of this guide to test the product.

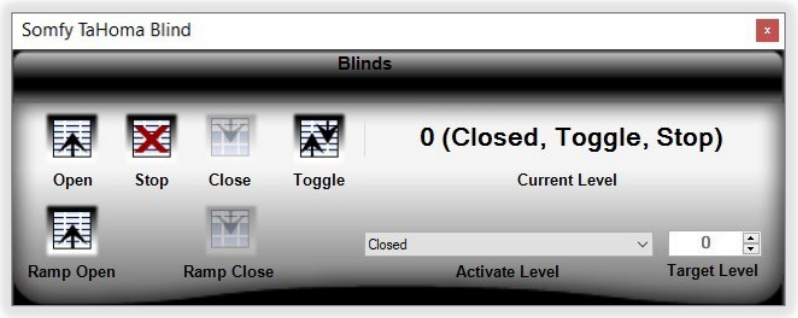
For Zigbee motors, operate each product from the fully open to fully closed position to record the Calculated Full Course. This operation is required for the Stop command to be available while the product is moving. The Calculated Full Course value is averaged over time. Perform the "Reset Calculated Full Course" action as necessary to clear and calculate a new time.

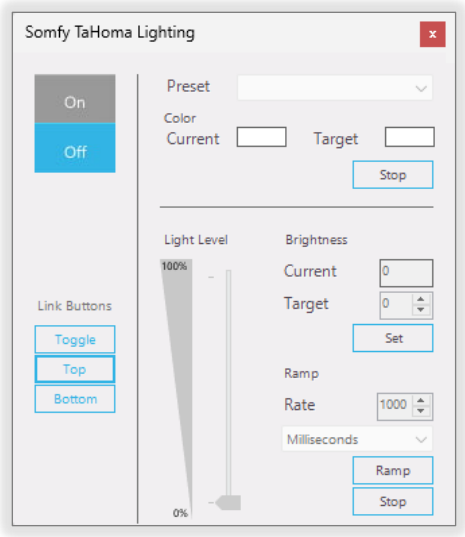
TEST OPERATION

Refer to Appendix B of this guide for the Available Commands & Actions. RTS motors do not report positional feedback. The TaHoma blind Current Level will display "Unknown," and the Target Level control will be unavailable for all RTS motors.

RTS motors are capable of one programmable "my" or favorite position that requires a Stop command when the motor is at rest. A Control4 Custom Button must be created to achieve this position by mapping the "my" command to the "Set Blind to IP" command.

- In the Composer System Design view, Project tree, DOUBLE-CLICK the device or group to test operation



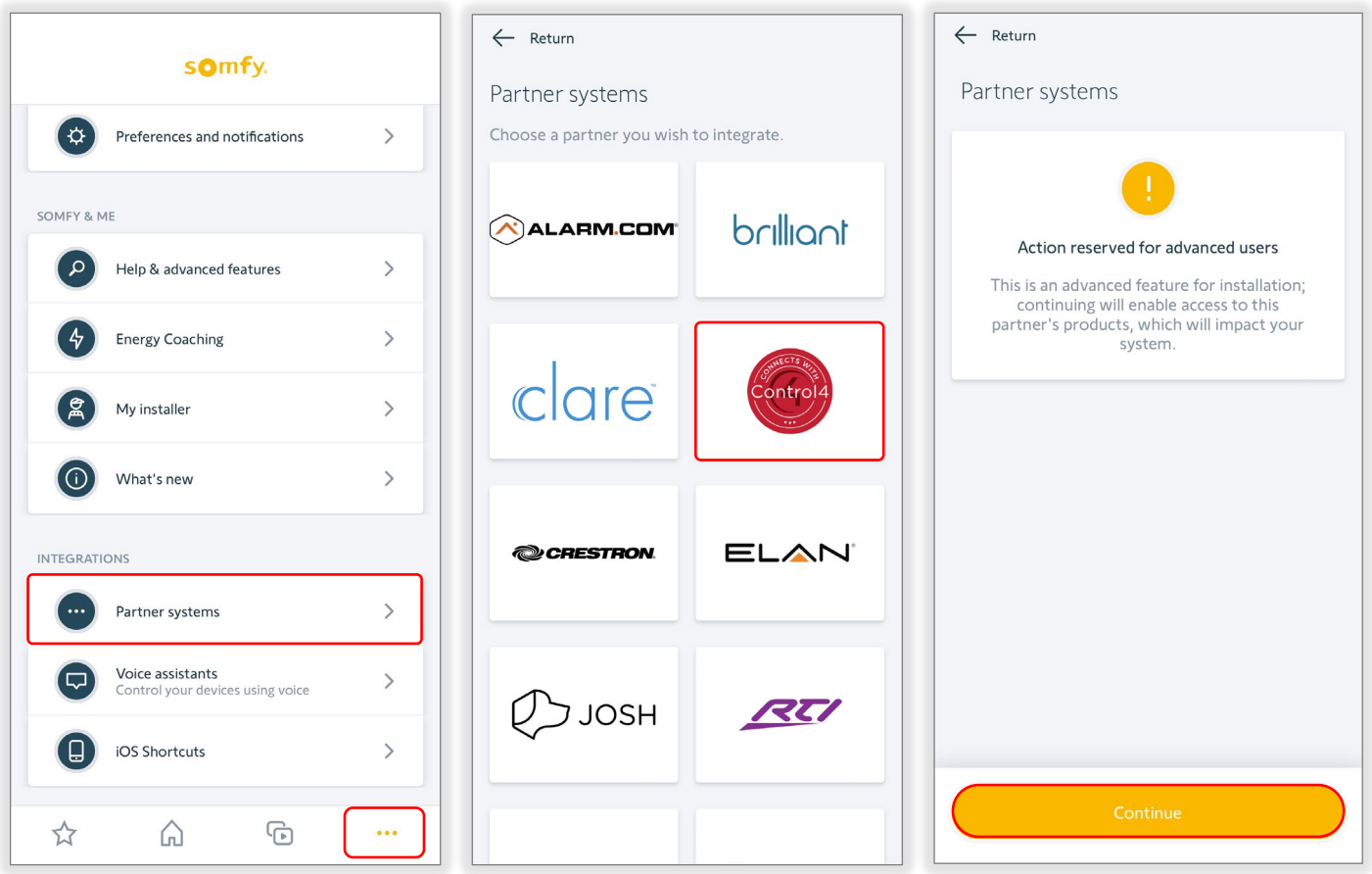


APPENDIX

[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 "Control4"
5) SELECT "Continue"

The Integration Report will display the TaHoma PIN, IP address, and all connected products.



[APPENDIX B] AVAILABLE COMMANDS & ACTIONS

TAHOMA ZIGBEE COMMANDS	
Close	Moves product to the closed position
Open	Moves product to the open position
Stop	Stops product when moving
My	Moves product to the programmed "my" position if at rest (Requires a Control4 custom button to be programmed)
Toggle	Sequence controls product close-stop-open
Target Level	Moves product to a percent openness (0-100)
Tilt Close	Tilts product closed*
Tilt Open	Tilts product open*

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	
Close	Moves product to the closed position
Open	Moves product to the open position
Stop	Stops product when moving
My	Moves product to the programmed "my" position if at rest (Requires a Control4 custom button to be programmed)
Toggle	Sequence controls product close-stop-open
Tilt Close	Tilts product closed*
Tilt Open	Tilts product open*

**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.

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