

CONTROL4® INTEGRATION for TAHOMA® SWITCH



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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 the TaHoma® switch as the bridge between Control4 and Smart Shading by Somfy.

For questions or assistance please contact technical support:

(800) 22-SOMFY (76639)

technicalsupport_us@somfy.com

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 50 Zigbee devices and 40 RTS channels
 - 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

Control4 Composer Software OS 3.0 or higher

Control4 Somfy TaHoma Interface driver

Control4 Somfy TaHoma Blind driver

Control4 Somfy TaHoma Switch driver



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

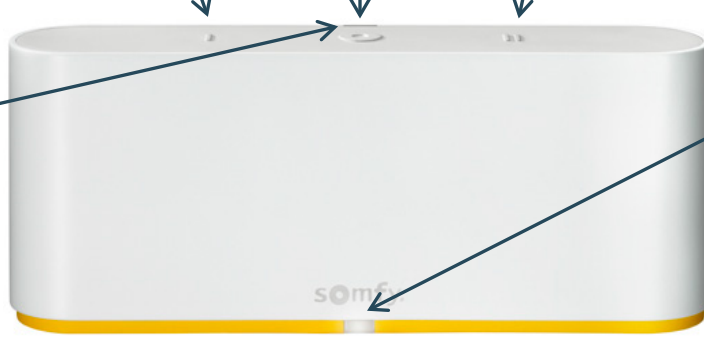
AMBER
RESTARTING

GREEN
TAHOMA PRO MODE

Scene 1 Button
Control customized scene 1

Stop Button
Stop scene underway

Scene 2 Button
Control customized scene 2



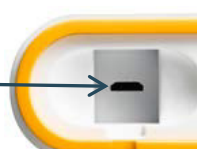
BOTTOM LED BEHAVIOR:


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

RED
POWERED,
NOT CONNECTED
TO CLOUD SERVER – SOLID

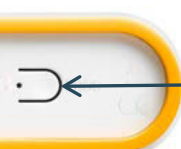
OFF
NOT POWERED

Micro USB Port
Connect power or Ethernet Adaptor





Reset Button
PRESS & HOLD to reset TaHoma switch



TaHoma® Ethernet Adaptor #1870470 (Sold Separately)

Connect for a wired local area network connection

Micro USB
Connect to TaHoma® switch for power and Ethernet

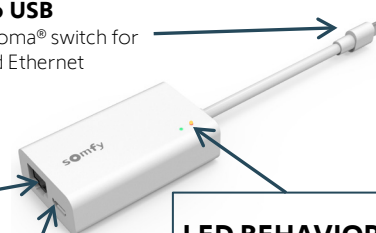
Ethernet Port
Connect to network router or switch

Micro USB Port
Connect power through Ethernet Adaptor

LED BEHAVIOR:

GREEN
ETHERNET CONNECTION

AMBER
DATA TRANSFER



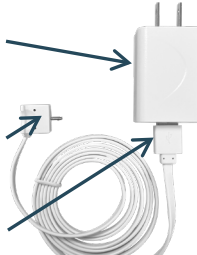
Plug-in Power Supply Required (Included with TaHoma® switch)

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)

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

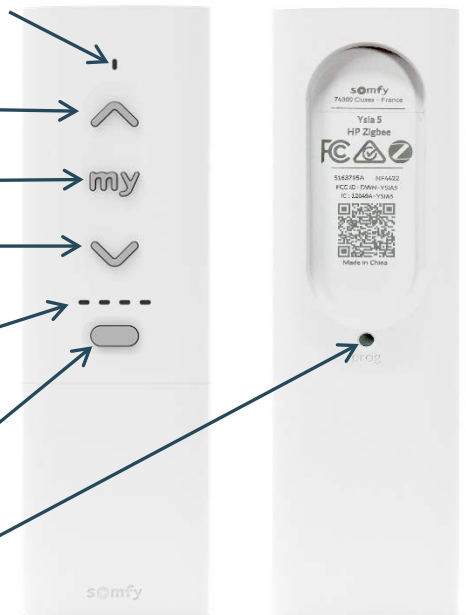
Show channel selected

Channel Selection Button

Select channel

Programming Button

Pair and reset products



BUTTONS & INDICATORS

WAKING THE MOTOR:

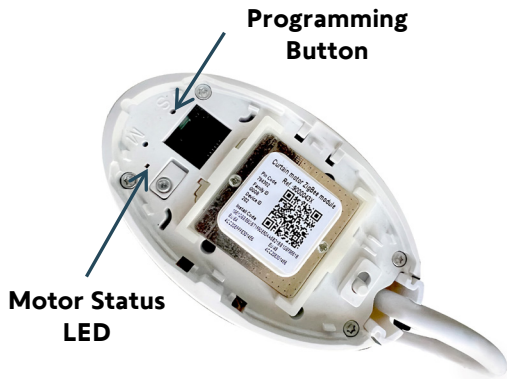
Ensure the motor has required power available.

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.

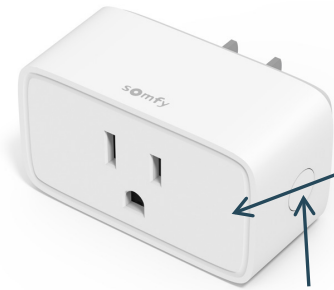
The motor will jog (briefly move up and down), and the LED will illuminate **GREEN** for 2 seconds.
The LED will blink **AMBER** continuously during programming.

DRAPER 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:

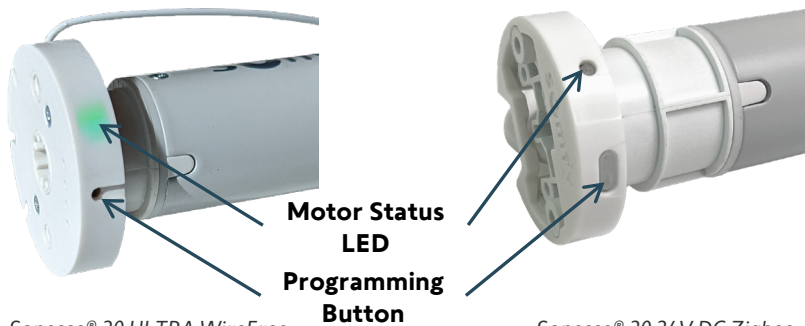
RED
NOT CONNECTED – SOLID 3s
OUTPUT OFF – SOLID

AMBER / GREEN
PAIRING MODE – BLINKING

GREEN
CONNECTED – SOLID 3s
POWERED – SOLID

OFF
NOT PAIRED
NOT POWERED

ROLLER MOTOR



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

Sonesse® 30 24V DC Zigbee
shown above

MOTOR STATUS LED BEHAVIOR:

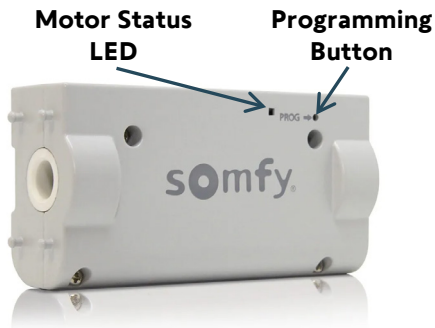
AMBER
MOTOR IS NOT SET
IN SETTING MODE
IN ADJUSTMENT MODE

GREEN
MOTOR IS CHARGING
CONFIRMED SETTING

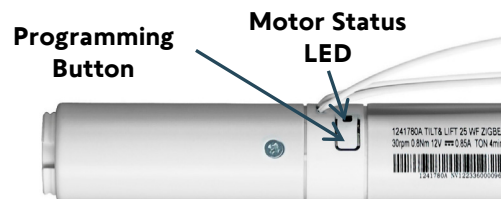
RED
LOW BATTERY CHARGE
THERMAL PROTECTION
IMPOSSIBLE SETTING

OFF
PAIRED AND OPERATIONAL

TILT MOTOR



CORD LIFT MOTOR



IV. SYSTEM PREPARATION

SOMFY SYSTEM

A fully operational TaHoma system is required prior to Control4 programming. The TaHoma system supports up to 50 Zigbee devices and 40 channels of RTS. RTS devices programmed to an RTS channel will only receive commands from the associated TaHoma switch hub.

NOTE: RTS Channels will populate as motors for single or multiple motors in a group.
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 app ([see Appendix A](#))

CONTROL4 SYSTEM

A fully operational Control4 system is required prior to TaHoma integration. SDDP is supported.

V. SET UP

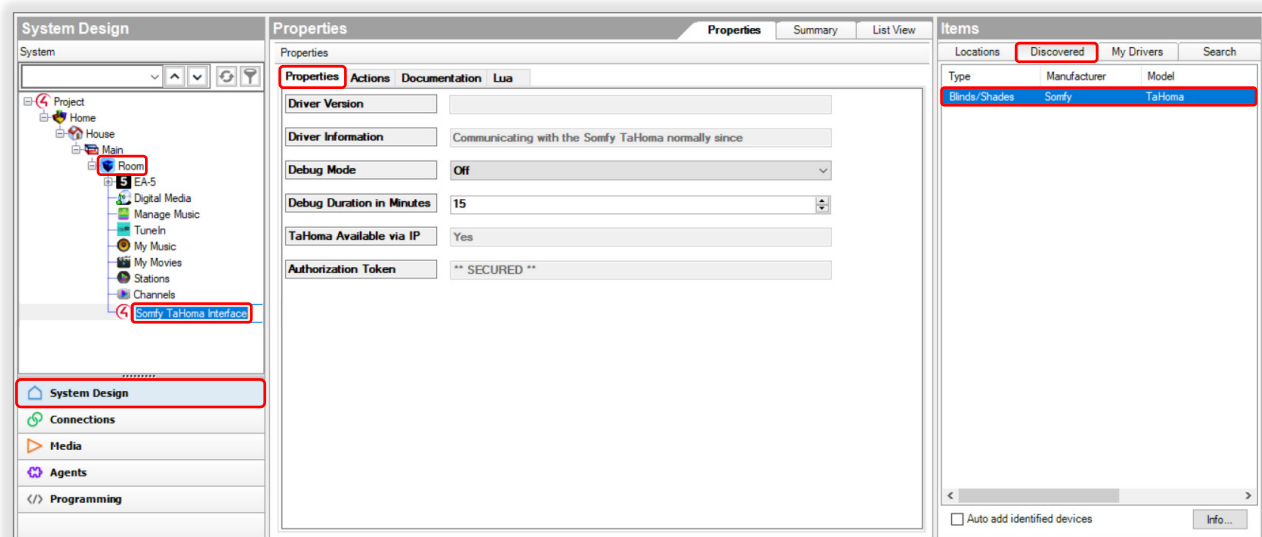
ADD TAHOMA INTERFACE TO PROJECT

Refer to the Integration Report for the TaHoma switch IP address. A Somfy TaHoma Interface driver is required for each TaHoma switch installed. There are two methods to add a PoE Motor Blind device to a Project, via SDDP Discovery or searching the Composer Driver Database.

METHOD A – Add the TaHoma Interface via SDDP Discovery:

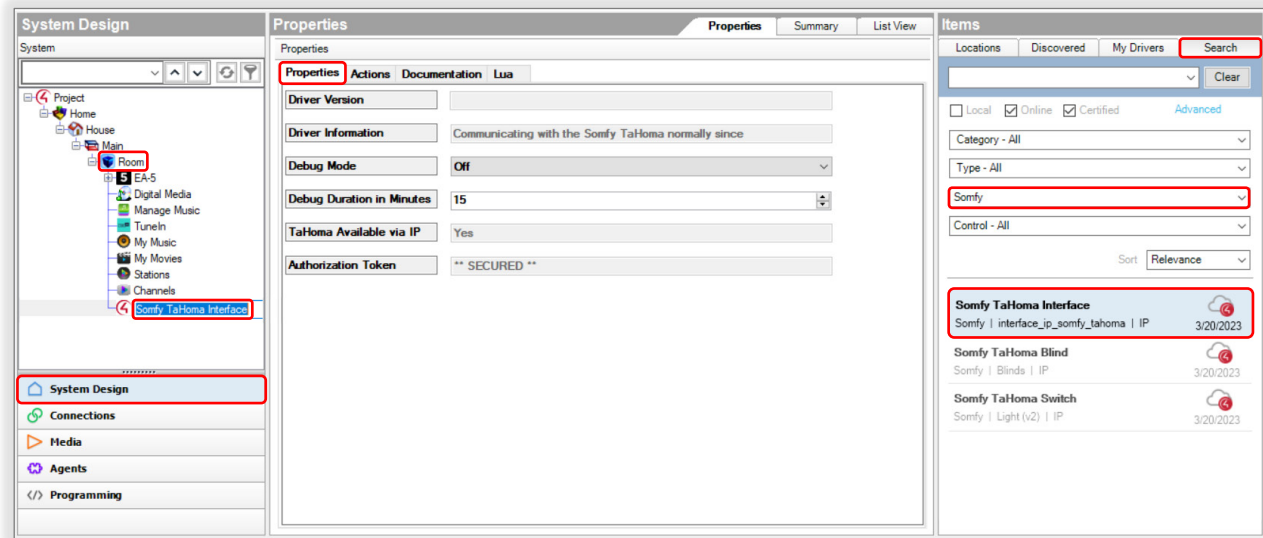
- 1) In the Composer System Design view, Project tree, SELECT a Room in which a device is to be added
- 2) In the Items pane, SELECT the “Discovered” tab
- 3) DOUBLE- or RIGHT-CLICK the TaHoma device to add to the project, automatically connecting the IP address
- 4) RENAME the device to the associated location or room
- 5) In the device Properties tab, VERIFY:
 - a) The device Driver Information status displays “Communicating with the Somfy TaHoma normally”
 - b) The Authorization Token property displays “** SECURED **”

Refer to the [Enable Third-Party Integration section](#) of this guide if the Authorization Token property is blank or displays “Use the App to re-enable a new Token.” Third-Party Integration must be enabled in the TaHoma app.

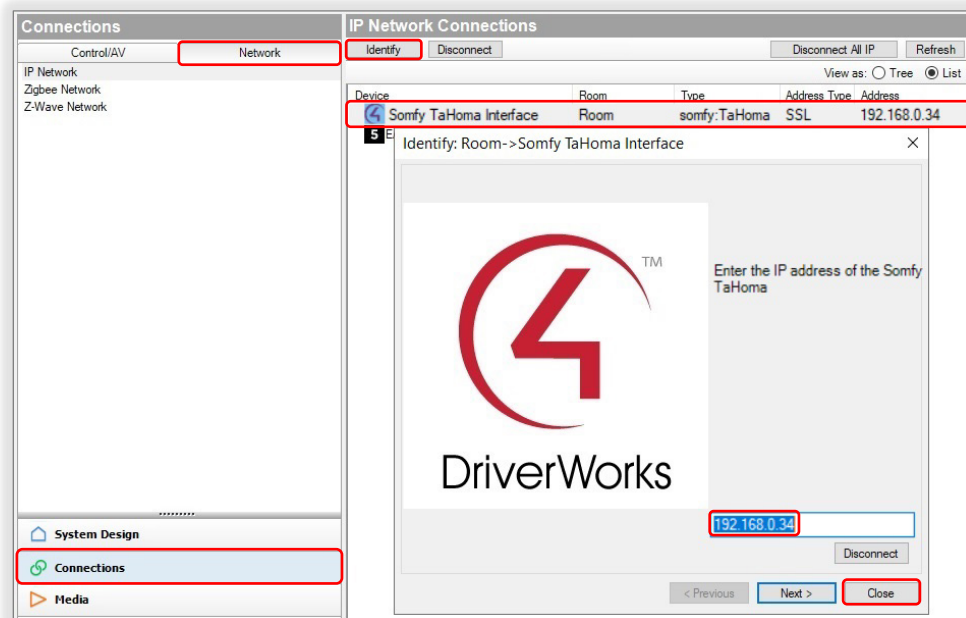


METHOD B – Add the TaHoma Interface via searching the Composer Driver Database:

- 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) SELECT the “Somfy TaHoma Interface” driver, DOUBLE- or RIGHT-CLICK the driver to “Add to Project”
- 5) RENAME the device to the associated location or room



- 6) In the Composer Connections view, SELECT the “Network” tab
- 7) In the IP Network Connections pane, SELECT the “Somfy TaHoma Interface” in the Device list
- 8) DOUBLE-CLICK the Somfy TaHoma Interface device or SELECT “Identify”
- 9) ENTER the IP address of the Somfy TaHoma Interface, SELECT “Close”



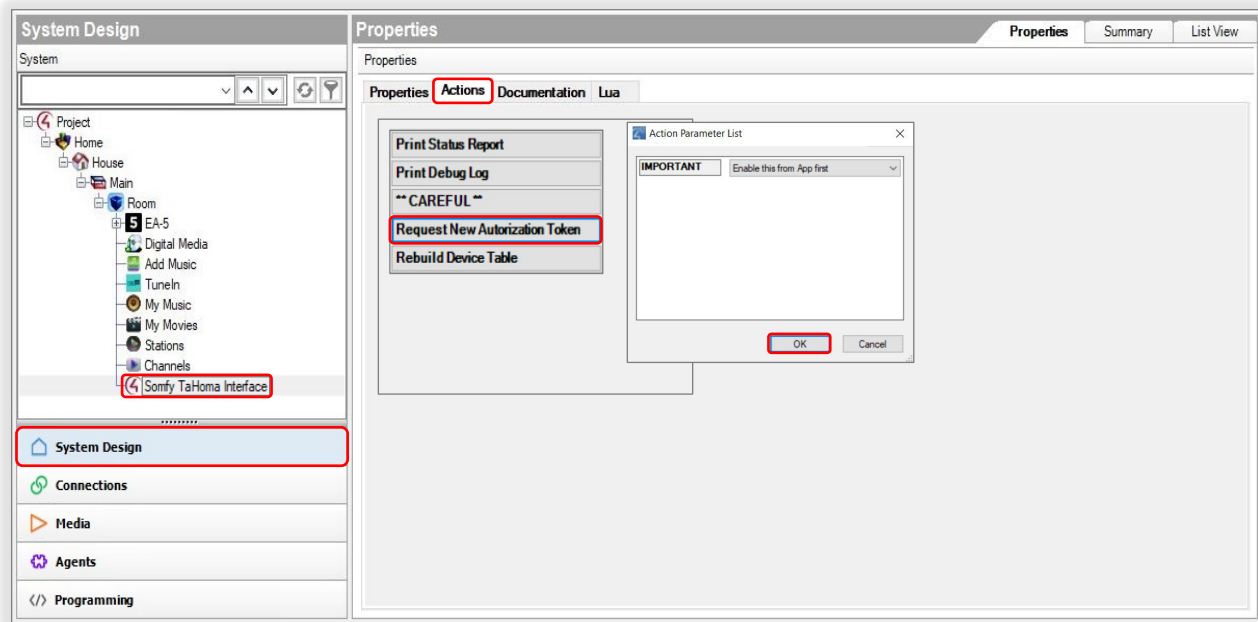
- 10) Return to the System Design view, device Properties tab, VERIFY:
 - a) The device Driver Information status displays “Communicating with the Somfy TaHoma normally”
 - b) The Authorization Token property displays “** SECURED **”

Refer to the [Enable Third-Party Integration section](#) of this guide if the Authorization Token property is blank or displays “Use the App to re-enable a new Token.” Third-Party Integration must be enabled in the TaHoma app.

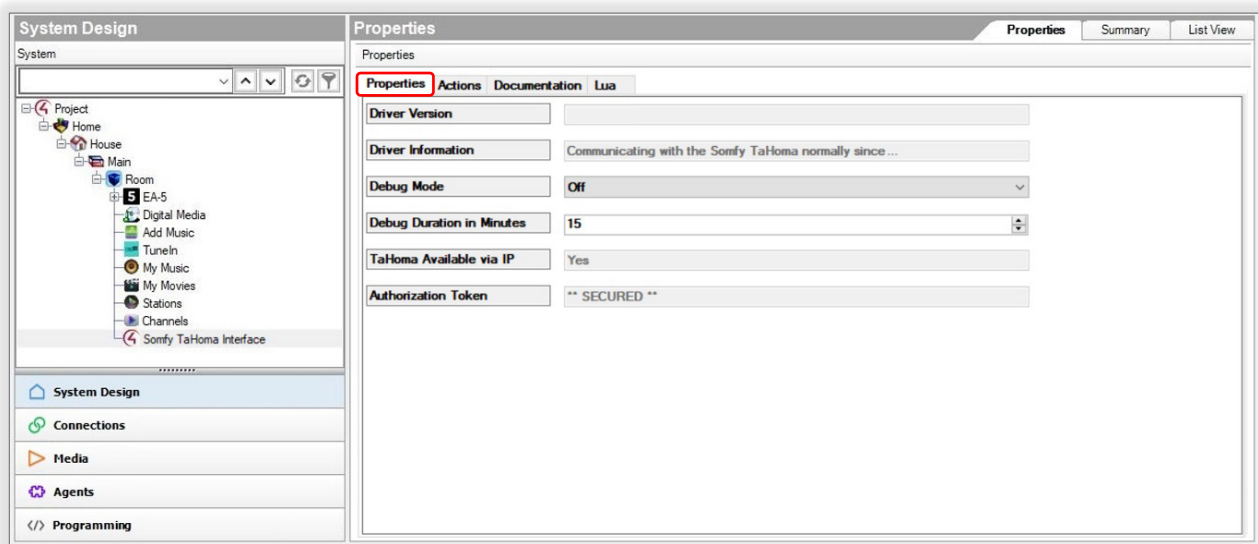
REQUEST AUTHORIZATION TOKEN

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 ([see Appendix A](#))
- 2) In the Composer System Design view, device Actions tab, SELECT "Request New Authorization Token"
- 3) The Action Parameter List window will display, SELECT "OK"



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



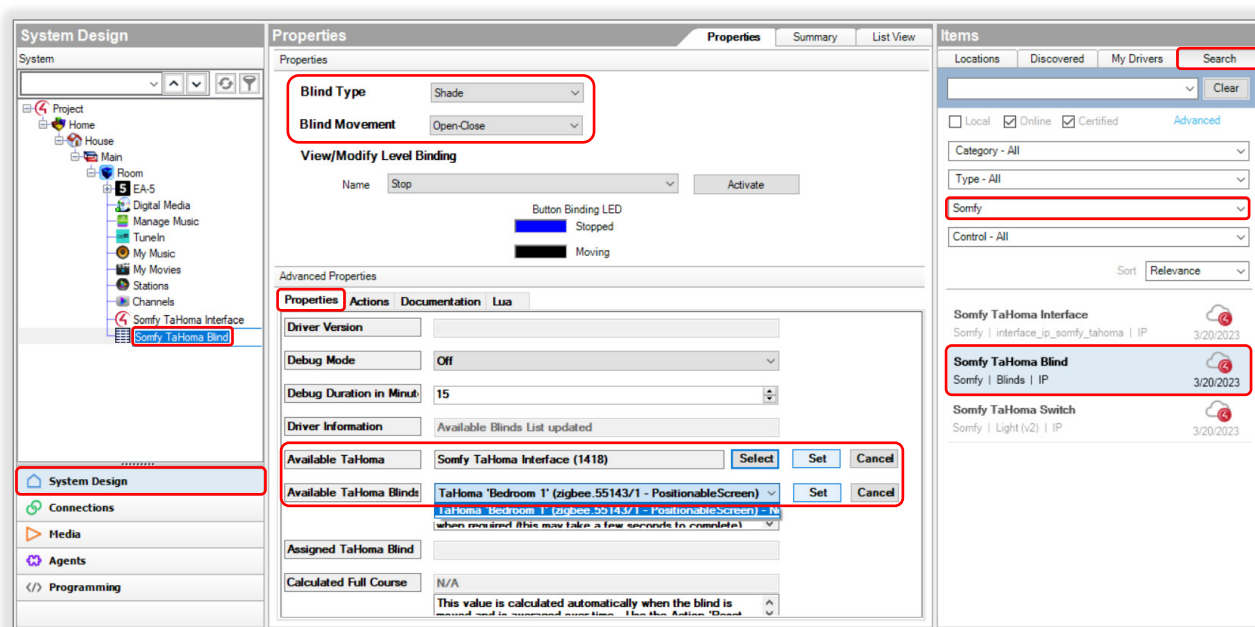
ADD TAHOMA BLIND TO PROJECT

Refer to the Somfy TaHoma Driver Set details located in the device Documentation tab.
When adding a blind or blind group, only use the Somfy TaHoma Blind driver. Do not use the generic Control4 Blind Group.

A Somfy TaHoma Blind driver is required for each blind or blind group installed.

NOTE: RTS Channels will populate as motors for single or multiple motors in a group.

- 1) In the 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) SELECT the "Somfy TaHoma Blind" driver, DOUBLE- or RIGHT-CLICK the driver to "Add to Project"
- 5) RENAME the device to the associated location or name of blind
- 6) SELECT the appropriate Blind Type for the product in the dropdown
- 7) SELECT the appropriate Blind Movement for the product in the dropdown
- 8) In the Advanced Properties tab, Available TaHoma property, SELECT "Select"
- 9) In the Select devices... window, SELECT the "Somfy TaHoma Interface" in the Project tree, SELECT "OK"
- 10) In the Available TaHoma property, SELECT "Set"
- 11) In the Available TaHoma Blinds dropdown, SELECT the TaHoma blind or group, SELECT "Set"



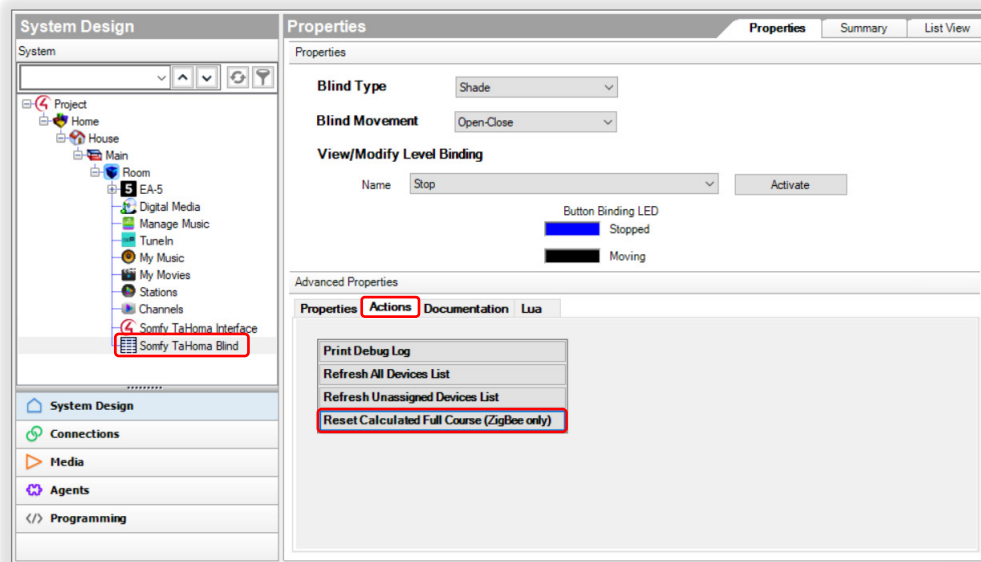
If a device is not listed, use the "Refresh All Devices" action to update the Available TaHoma Blinds list. Refresh time may vary per system size.

- 12) TEST operation of the motor
Refer to the [Test Operation section](#) of this guide to test the motor.

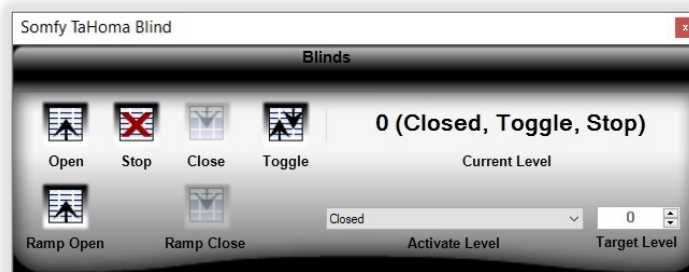
RESET CALCULATED FULL COURSE

The Calculated Full Course value for a TaHoma Zigbee blind or Zigbee group is automatically calculated and averaged over time when blinds are moved. Should the Calculated Full Course value become invalid, use the "Reset Calculated Full Course" action to reset. This action is for Zigbee motors only. Refer to the Somfy TaHoma Driver Set details located in the device Documentation tab.

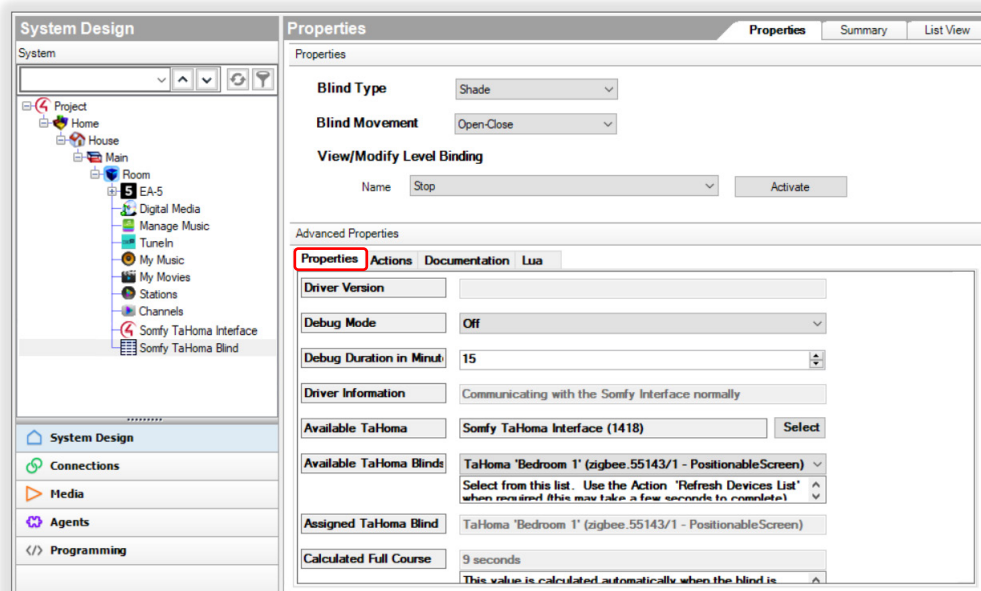
- 1) In the System Design view, device Actions tab, SELECT "Reset Calculated Full Course (Zigbee only)"



- 2) DOUBLE-CLICK the TaHoma blind or group to Close then Open full course



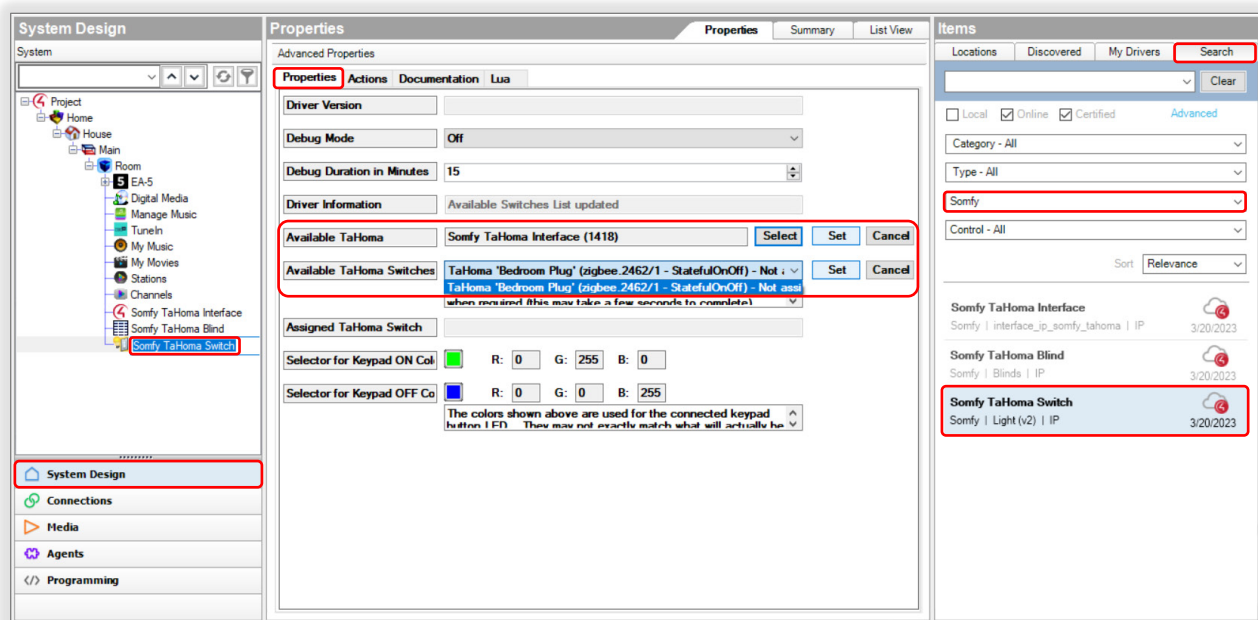
- 3) In the System Design view, device Advanced Properties, SELECT the "Properties" tab
- 4) VERIFY the Calculated Full Course displays the new full course duration



ADD TAHOMA SMART PLUG TO PROJECT

Refer to the *Somfy TaHoma Driver Set* details located in the device *Documentation* tab.
A *Somfy TaHoma Switch* driver is required for each *TaHoma Smart Plug* installed.

- 1) In the 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) SELECT the "Somfy TaHoma Switch" driver, DOUBLE- or RIGHT-CLICK the driver to "Add to Project"
- 5) RENAME the device to the associated location or name
- 6) In the Advanced Properties tab, Available TaHoma property, SELECT "Select"
- 7) In the Select devices... window, SELECT the "Somfy TaHoma Interface" in the Project tree, SELECT "OK"
- 8) In the Available TaHoma property, SELECT "Set"
- 9) In the Available TaHoma Switches dropdown, SELECT the TaHoma switch device, SELECT "Set"



If a device is not listed, use the "Refresh All Devices" action to update the Available TaHoma Switches list. Refresh time may vary per system size.

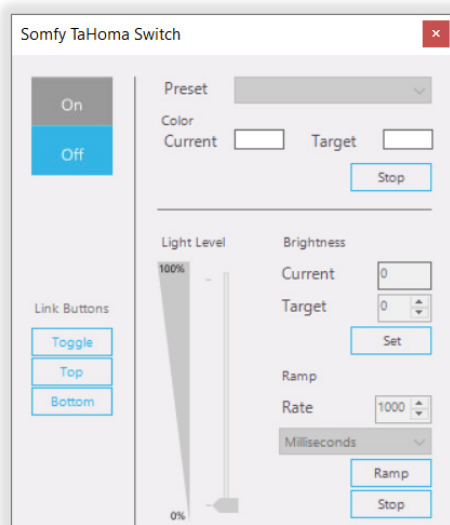
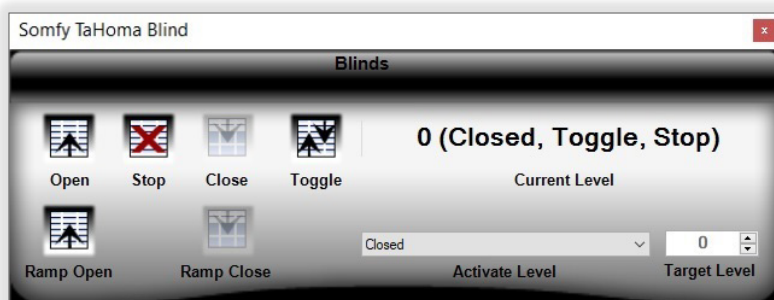
- 10) TEST operation of the smart plug
Refer to the [Test Operation section](#) of this guide to test the smart plug.

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 Target Level control is 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 Somfy TaHoma blind or group device to test operation

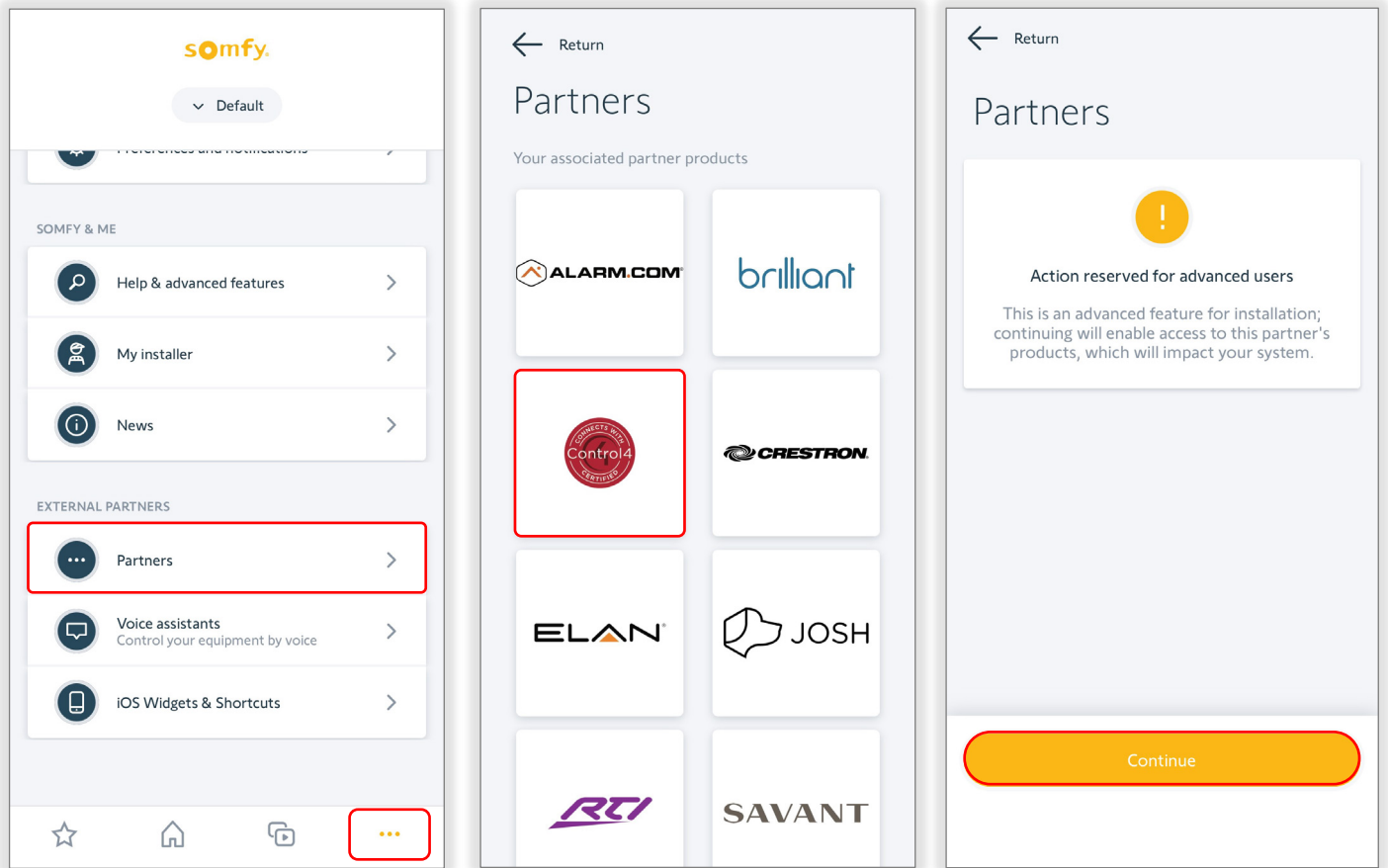


APPENDIX

[APPENDIX A] ENABLE THIRD-PARTY INTEGRATION

- 1) OPEN the TaHoma by Somfy app
- 2) SELECT the Menu icon in the bottom bar
- 3) SELECT "Partners"
- 4) SELECT "Control4"
- 5) SELECT "Continue"

The Integration Report will display all connected products.



[APPENDIX B] AVAILABLE COMMANDS & ACTIONS



TAHOMA ZIGBEE COMMANDS	
Close	Moves blind to the fully closed position
Open	Moves blind to the fully open position
Stop	Stops blind when moving
My	Moves blind to the programmed "my" position if blind is at rest (Requires a Control4 custom button to be programmed)
Toggle	Sequence controls blind close-stop-open
Target Level	Moves blind to a percent openness (0-100)
Tilt Up	Tilts blind up (only available for tilt blinds)
Tilt Down	Tilts blinds down (only available for tilt blinds)



TAHOMA SMART PLUG COMMANDS	
On	Turns power on to lighting or small appliance
Off	Turns power off to lighting or small appliance
Toggle	Sequence controls lighting or small appliance on-off



TAHOMA RTS COMMANDS	
Close	Moves blind to the fully closed position
Open	Moves blind to the fully open position
Stop	Stops blind when moving
My	Moves blind to the programmed "my" position if blind is at rest (Requires a Control4 custom button to be programmed)
Toggle	Sequence controls blind close-open
Tilt Up	Tilts blind up (only available for tilt blinds)
Tilt Down	Tilts blinds down (only available for tilt blinds)

FOR QUESTIONS OR ASSISTANCE PLEASE CONTACT TECHNICAL SUPPORT:

(800) 22-SOMFY (76639)

technicalsupport_us@somfy.com

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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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