

CRESTRON HOME INTEGRATION for TAHOMA[®] SWITCH



INTEGRATION GUIDE

CRESTRON HOME 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 Crestron 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 Crestron Home 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

PC running Windows 10 or higher
Crestron Home Setup Software
Crestron Home App
Somfy TaHoma Gateway Driver



CRESTRON HOME

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

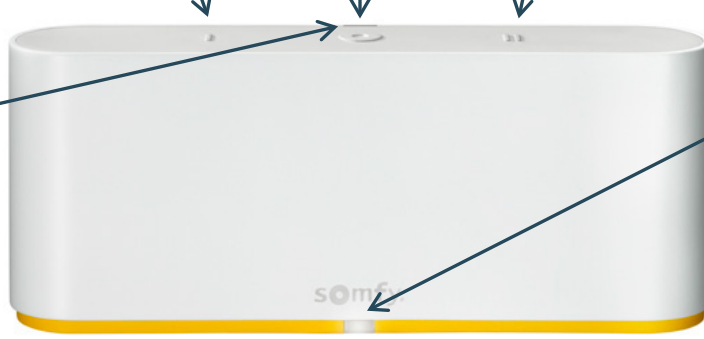
AMBER
RESTARTING

GREEN
TAHOMA PRO MODE

Scene 1 Button
Control customized scene 1

Stop Button
Stop scene underway

Scene 2 Button
Control customized scene 2



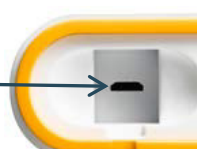
BOTTOM LED BEHAVIOR:


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

RED
POWERED,
NOT CONNECTED
TO CLOUD SERVER – SOLID

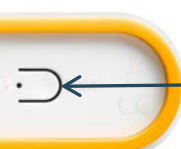
OFF
NOT POWERED

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

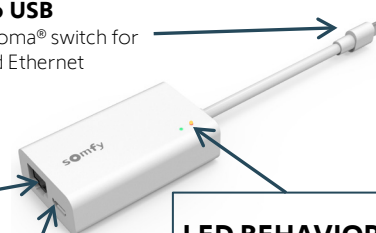
Ethernet Port
Connect to network router or switch

Micro USB Port
Connect power through Ethernet Adaptor

LED BEHAVIOR:

GREEN
ETHERNET CONNECTION

AMBER
DATA TRANSFER



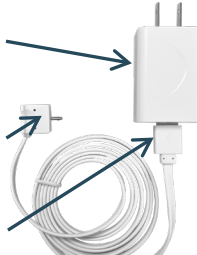
Plug-in Power Supply Required (Included with TaHoma® switch)

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

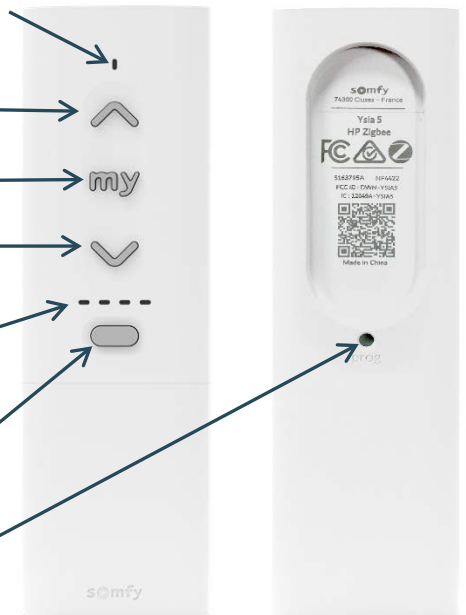
Show channel selected

Channel Selection Button

Select channel

Programming Button

Pair and reset products



BUTTONS & INDICATORS

WAKING THE MOTOR:

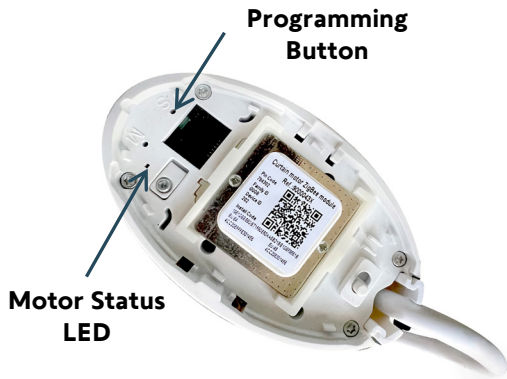
Ensure the motor has required power available.

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.

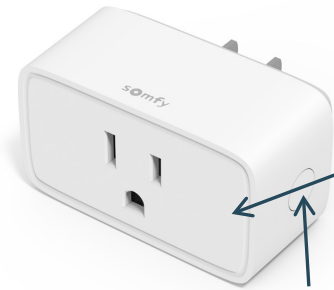
The motor will jog (briefly move up and down), and the LED will illuminate **GREEN** for 2 seconds.
The LED will blink **AMBER** continuously during programming.

DRAPER MOTOR



Smart Plug Zigbee #1871217

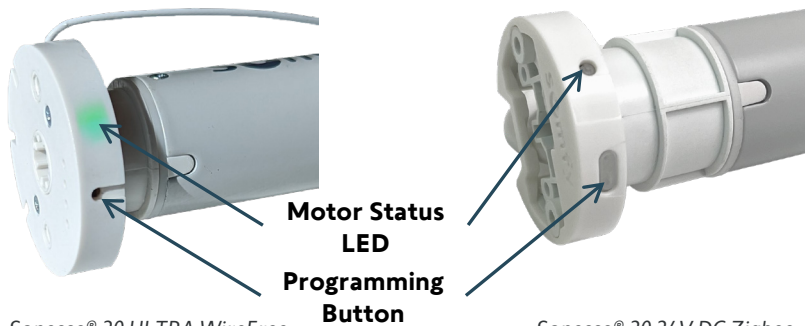
Ensure the Smart Plug is plugged into a properly powered outlet
QR Code and power button are on opposite sides of the plug



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



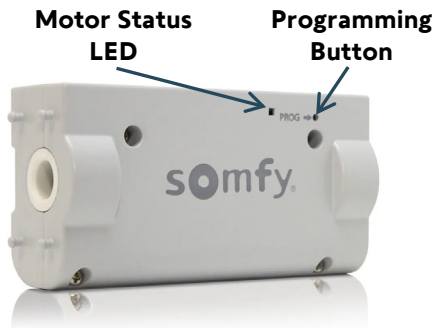
Sonesse® 30 ULTRA WireFree
Li-Ion Zigbee shown above
(Same for Sonesse® WireFree™ motors)

Sonesse® 30 24V DC Zigbee
shown above

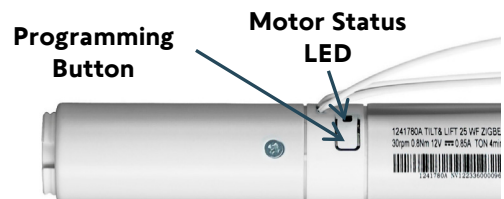
MOTOR STATUS LED BEHAVIOR:

- 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 Crestron 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](#))

CRESTRON HOME SYSTEM

A fully operational Crestron Home system is required prior to TaHoma integration.

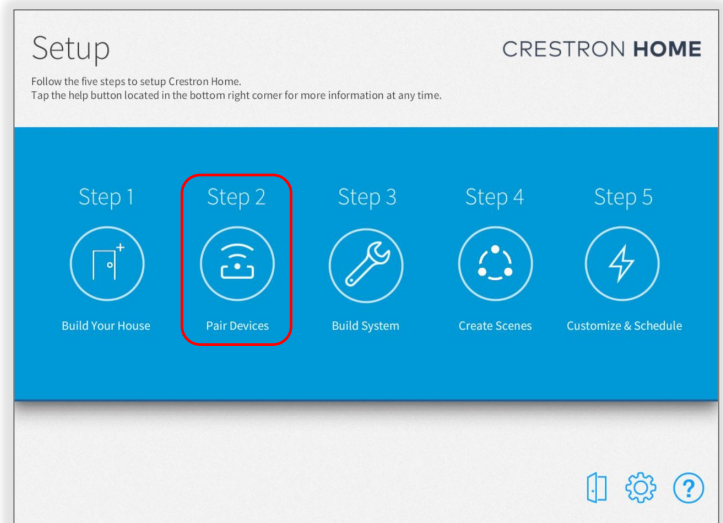
V. SET UP

PAIR DEVICES

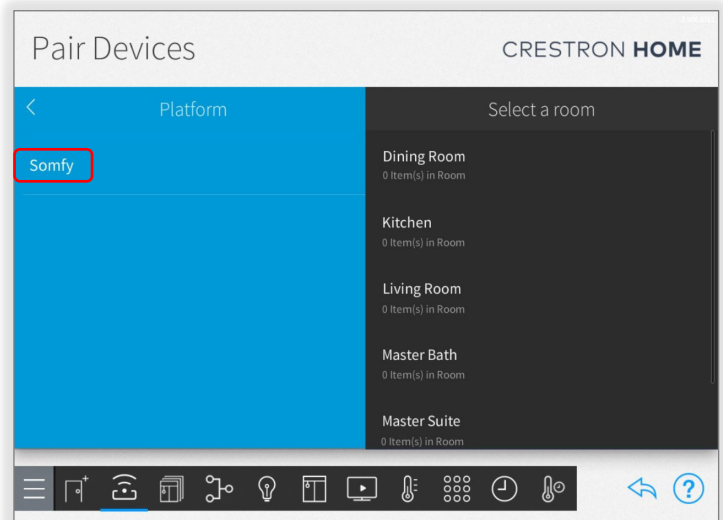
Refer to the Integration Report for the TaHoma switch IP address and associated devices.

ADD TAHOMA SWITCH TO ROOM

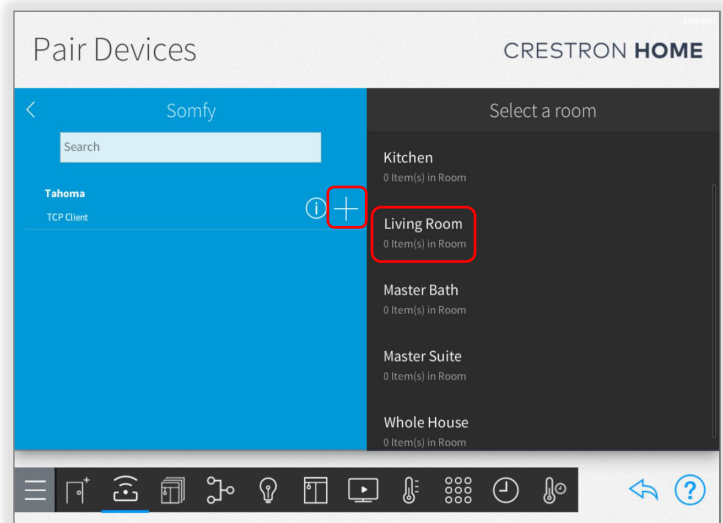
- 1) In the Crestron Home Setup software, first COMPLETE "Step 1" of adding rooms to Build Your House
- 2) SELECT "Step 2" to Pair Devices



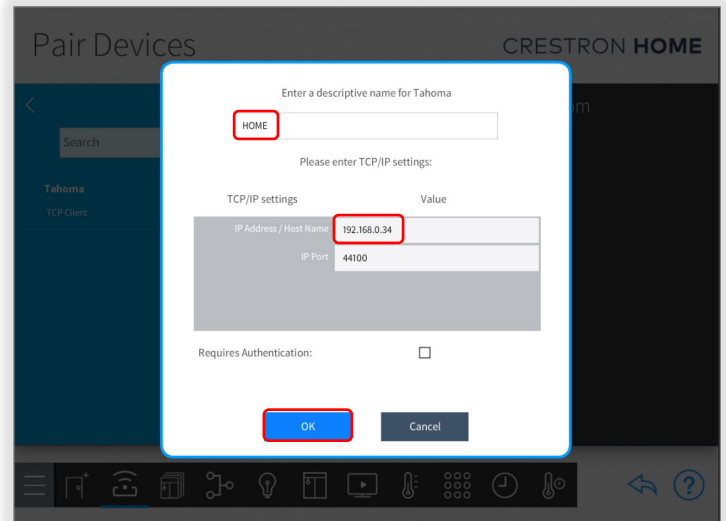
- 3) In Pair Devices:
 - SELECT "Drivers"
 - SELECT "Platform"
 - SELECT "Somfy"



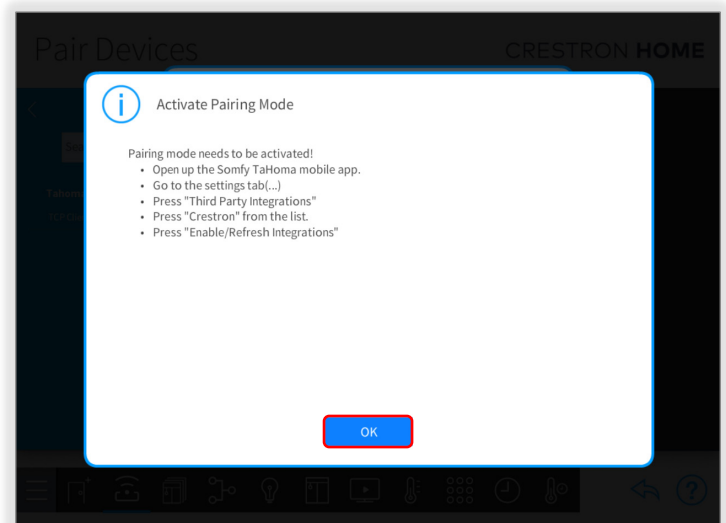
- 4) SELECT a room where the TaHoma switch is located
- 5) SELECT the "+" icon to add the TaHoma to the selected room



- 6) ENTER a descriptive name for the TaHoma
- 7) ENTER the IP address of the TaHoma, SELECT "OK"

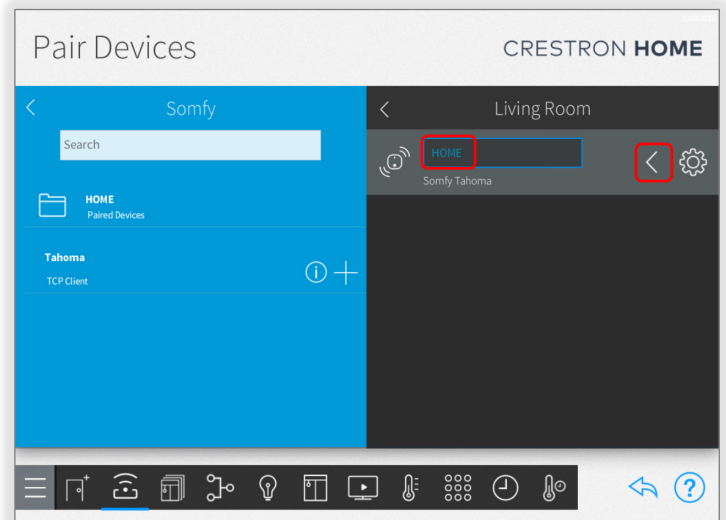


- 8) At the Activate Pairing Mode prompt, FOLLOW the steps to enable integration, SELECT "OK"
- Refer to [Appendix A](#) of this guide to Enable Third-Party Integration.



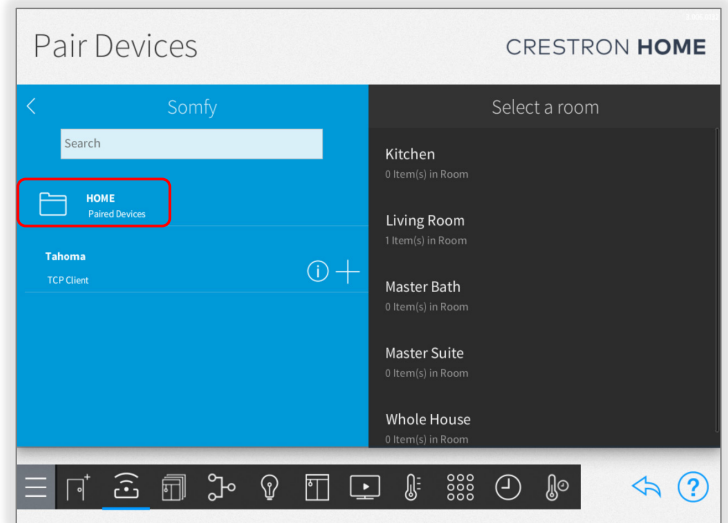
In a multiple TaHoma installation (RTS only), REPEAT Step 4 for each additional TaHoma switch

- To Rename a device, ENTER a name in the "Device Name" field
- To Remove a device, SELECT the Left arrow icon

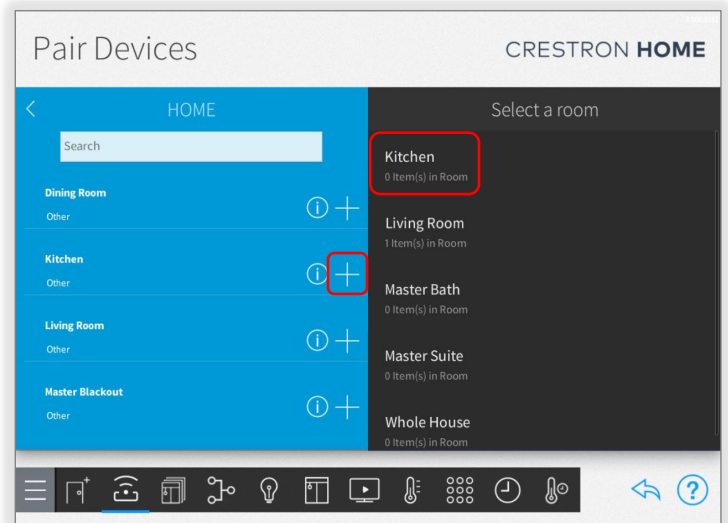


ADD TAHOMA BLIND OR SMART PLUG TO ROOM

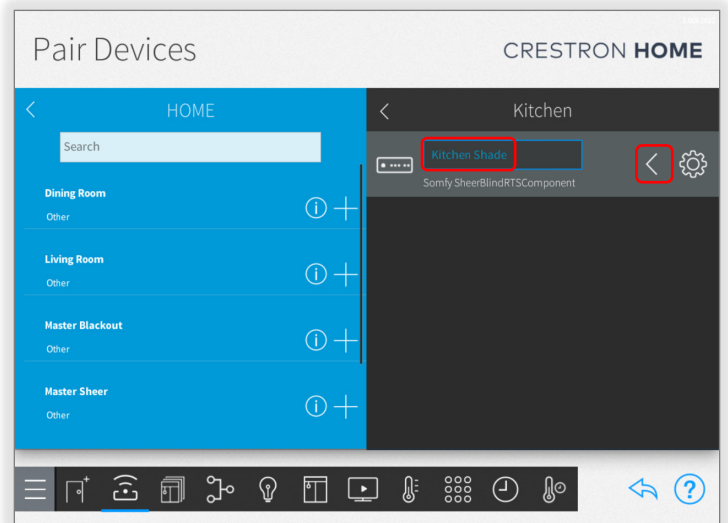
- 1) OPEN the TaHoma Paired Devices folder
The Pair Devices folder contains all devices already created in the TaHoma app.



- 2) SELECT a room for where a Paired Device is located, SELECT the "+" icon to add the device to the appropriate room



- 3) Enter a descriptive name for the device, SELECT "OK"
 - To Rename a device, ENTER a name in the "Device Name" field
 - To Remove a device, SELECT the Left arrow icon
- 4) Use the Crestron Home app to TEST device operation



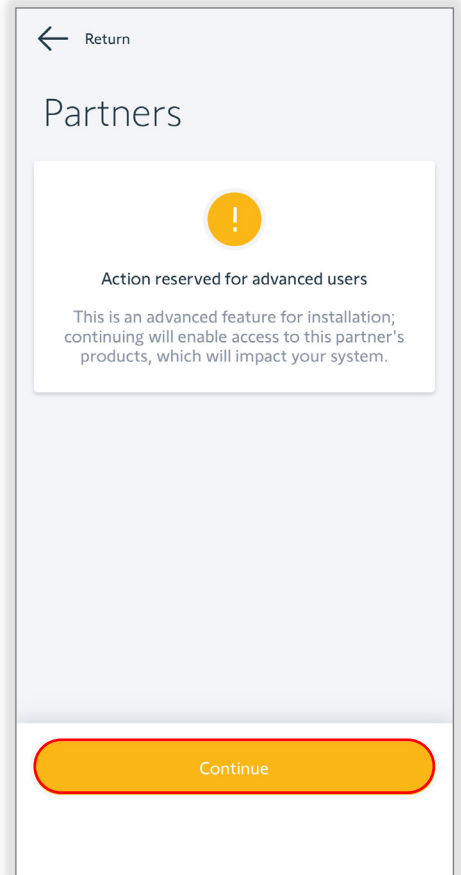
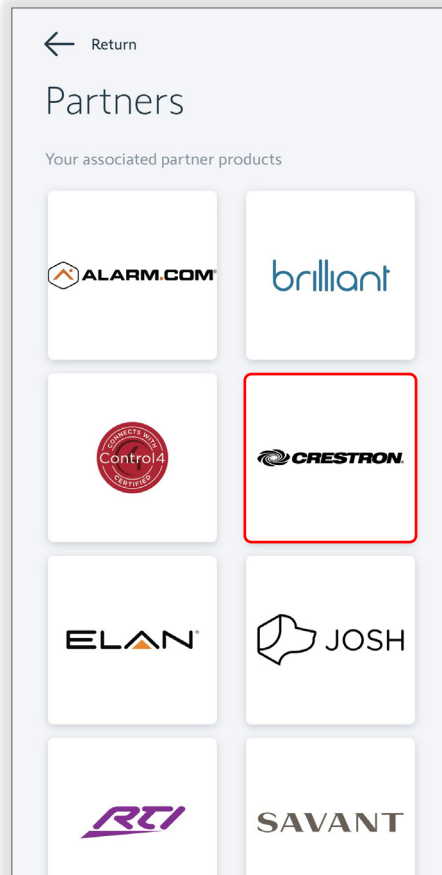
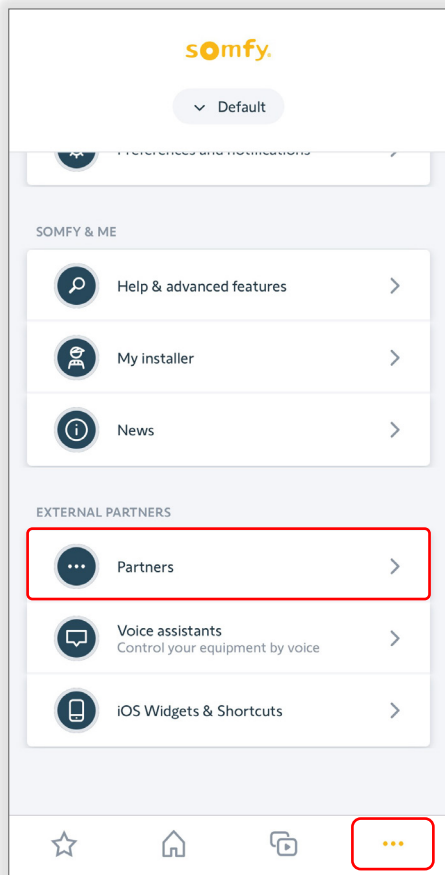
Refer to [Appendix B](#) of this guide for available commands and actions. RTS motors do not report positional feedback. RTS motors are capable of one programmable "my" or favorite position that requires a Stop command when the motor is at rest.
NOTE: RTS Channels will populate as motors for single or multiple motors in a group.
Use the Crestron Home app Favorite button to achieve the "my" position command.

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 "CRESTRON"
- 5) SELECT "Continue"

The Integration Report will display all connected products.



[APPENDIX B] AVAILABLE COMMANDS & ACTIONS

Other actions are available through the Creston Home Setup software.



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
Position	Moves blind to a percent position closed (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



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
Tilt Up	Tilts blind up (only available for tilt blinds)
Tilt Down	Tilts blind down (only available for tilt blinds)

FOR QUESTIONS OR ASSISTANCE PLEASE CONTACT TECHNICAL SUPPORT:

(800) 22-SOMFY (76639)

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CRESTRON HOME



Make the move

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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