INTEGRATION GUIDE

CRESTRON HOME 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 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(es) as the bridge between Crestron Home 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

Crestron Home Setup Software

Crestron Home App

Somfy TaHoma Gateway Driver

CRESTRON

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 #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

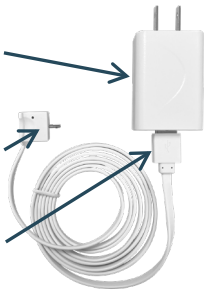
AMBER
DATA TRANSFER

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

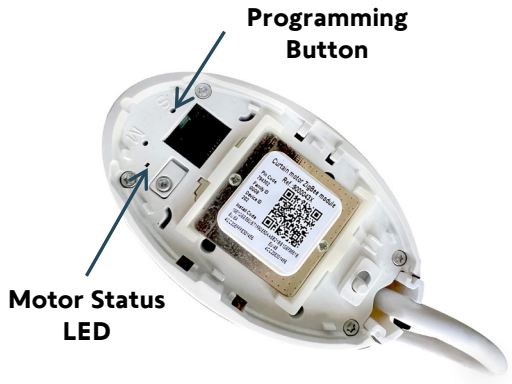
Programming Button
To pair and reset products



BUTTONS & INDICATORS

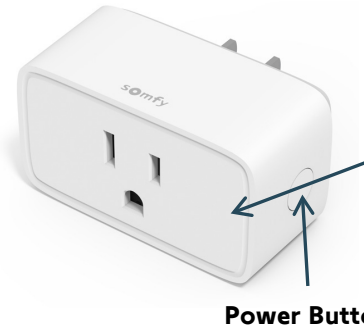
WAKING THE MOTOR:
Ensure the motor has required power available.
Using a small paper clip or similar, BRIEFLY PRESS the Programming Button on the head of the motor
OR
PLUG IN the battery supply/charger.
The motor will jog (briefly move up and down), and the LED will illuminate GREEN for 2 seconds.
The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

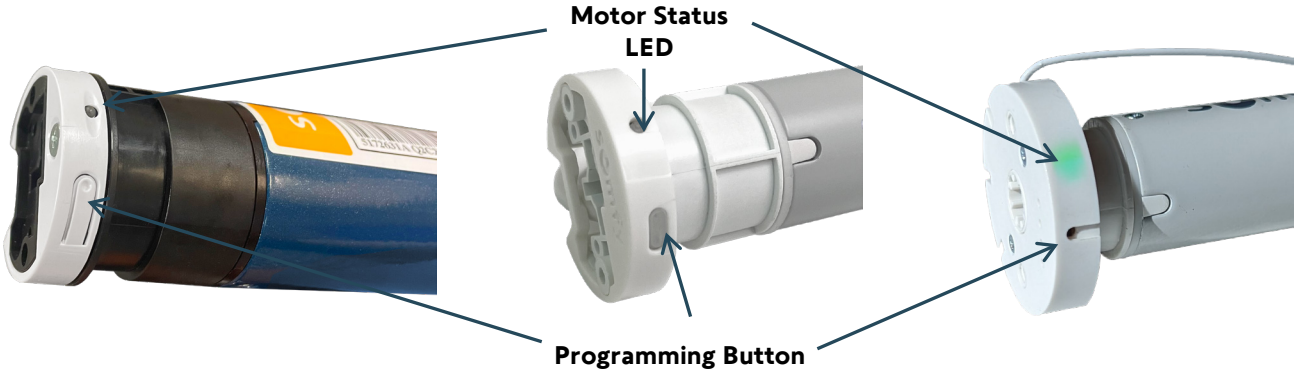
RED
SOLID 3s– NOT CONNECTED
POWERED – OUTPUT OFF

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:

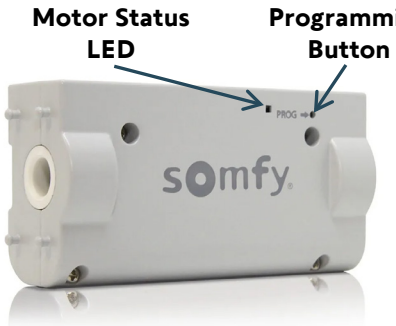
AMBER
MOTOR IS NOT SET
IN SETTING MODE
IN ADJUSTMENT MODE

GREEN
MOTOR IS CHARGING
CONFIRMED SETTING

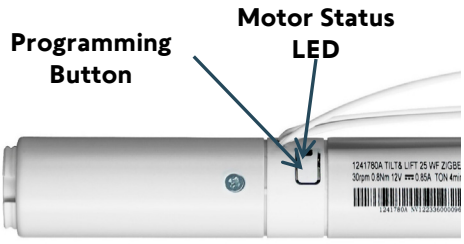
RED
LOW BATTERY CHARGE
THERMAL PROTECTION
IMPOSSIBLE SETTING

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 Josh.ai 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 app (see Appendix A)

CRESTRON HOME SYSTEM

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

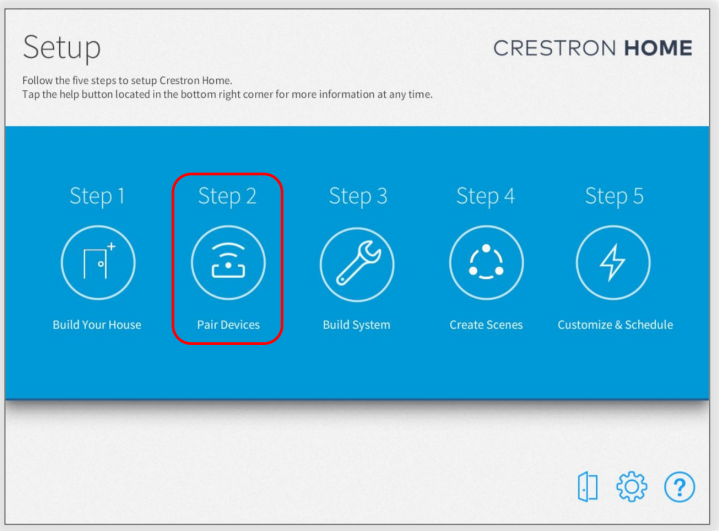
V. SET UP

PAIR DEVICES

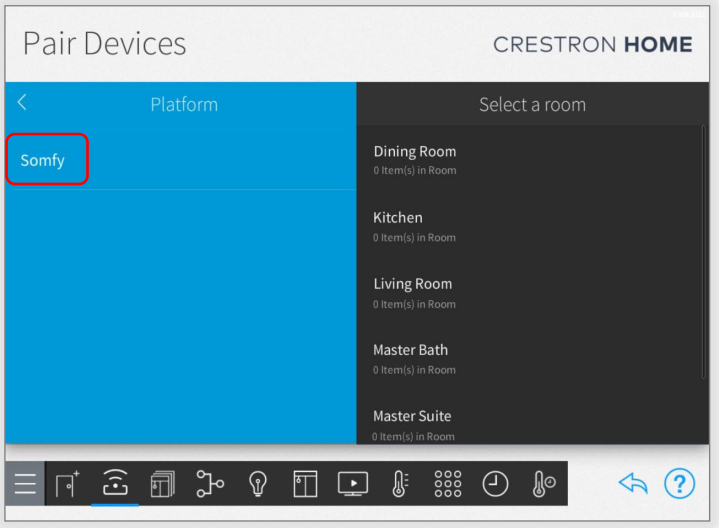
Refer to the Integration Report for the TaHoma switch IP address and associated devices.

ADD TAHOMA SWITCH DRIVER TO A ROOM

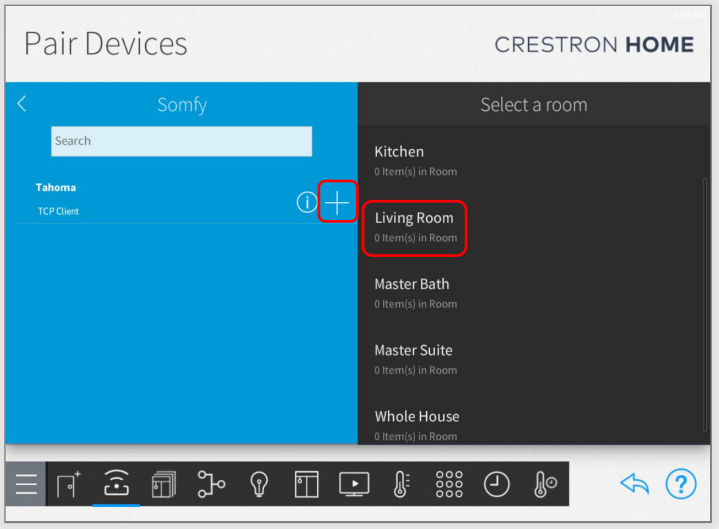
1) In the Crestron Home Setup software, first COMPLETE "Step 1" of adding rooms to Build Your House
2) SELECT "Step 2" to Pair Devices



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

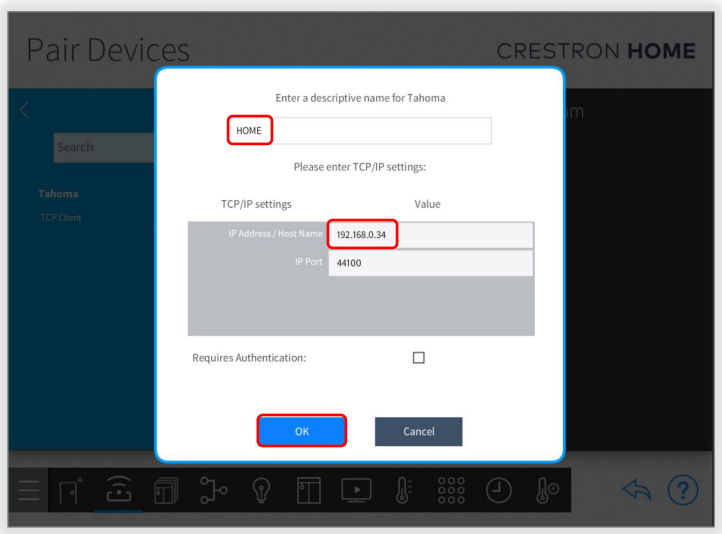


4) SELECT a room where the TaHoma switch is located
5) SELECT the "+" icon to add the TaHoma to the selected room



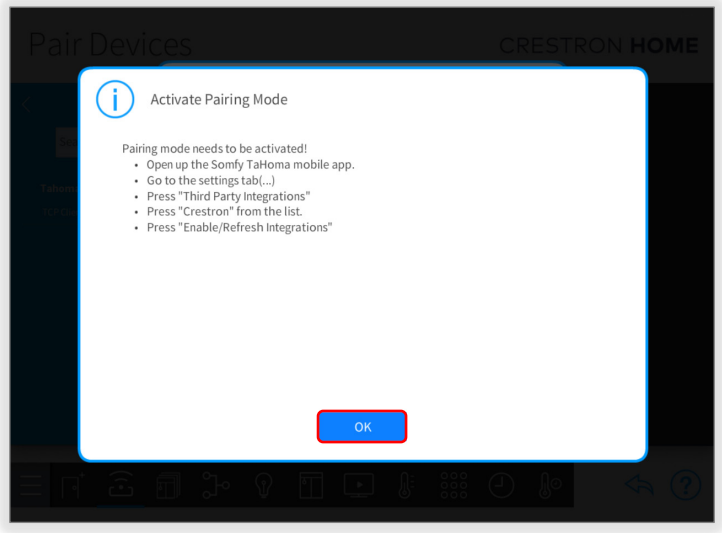
6) ENTER a descriptive name for the TaHoma

7) ENTER the IP address of the TaHoma, SELECT "OK"



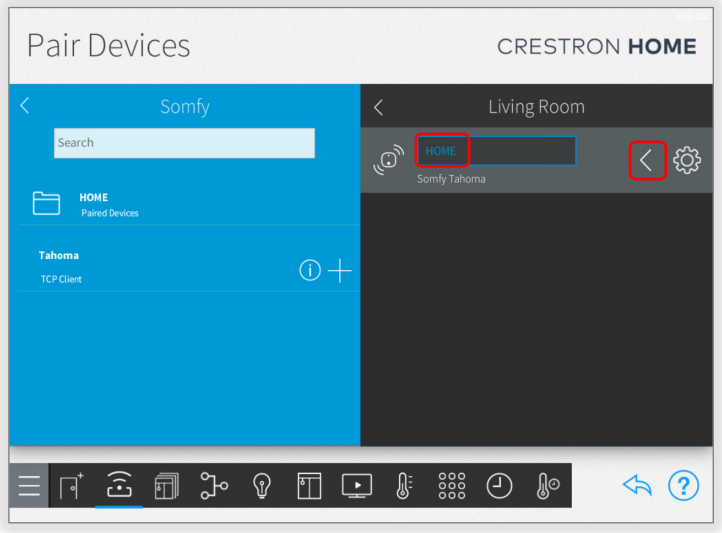
8) At the Activate Pairing Mode prompt, FOLLOW the steps to enable integration, SELECT "OK"

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

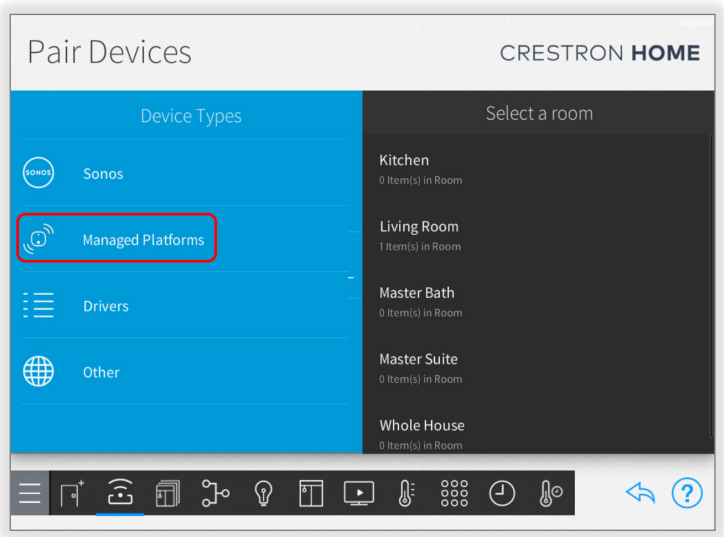
- To Rename a device, ENTER a name in the "Device Name" field
- To Remove a device, SELECT the Left arrow icon



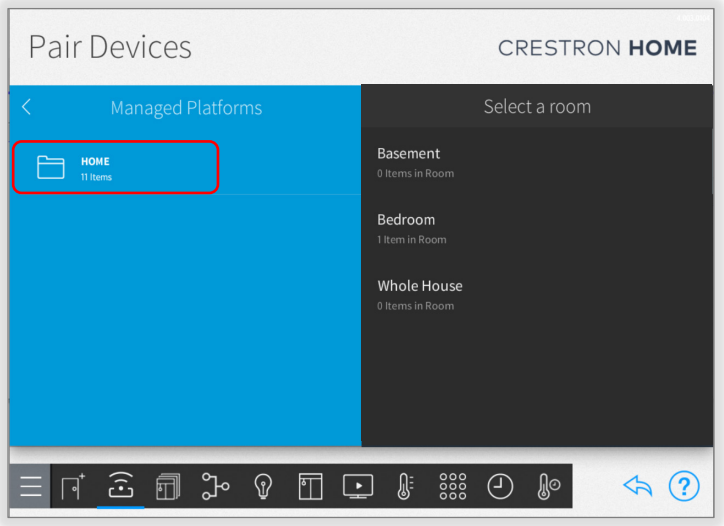
ADD TAHOMA BLIND OR SMART PLUG TO A ROOM

1) NAVIGATE to Pair Devices, under Device Types, SCROLL to SELECT "Managed Platforms"

   NOTE: The Pair Devices folder contains all devices already listed in the TaHoma app.

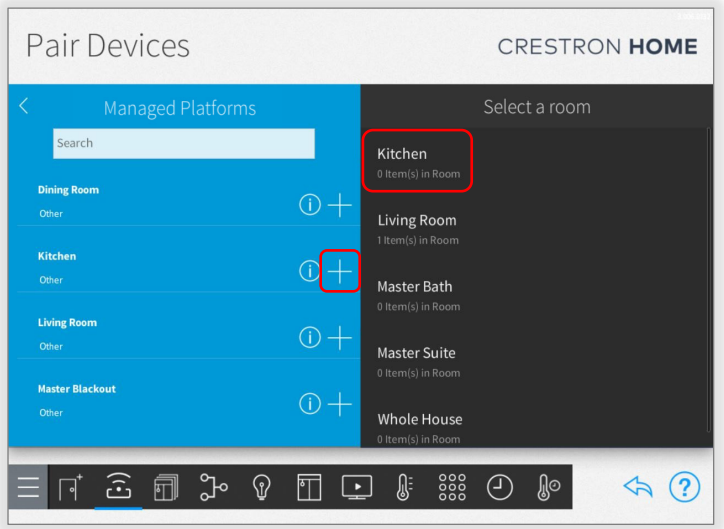


2) SELECT the folder with the Paired Devices installed

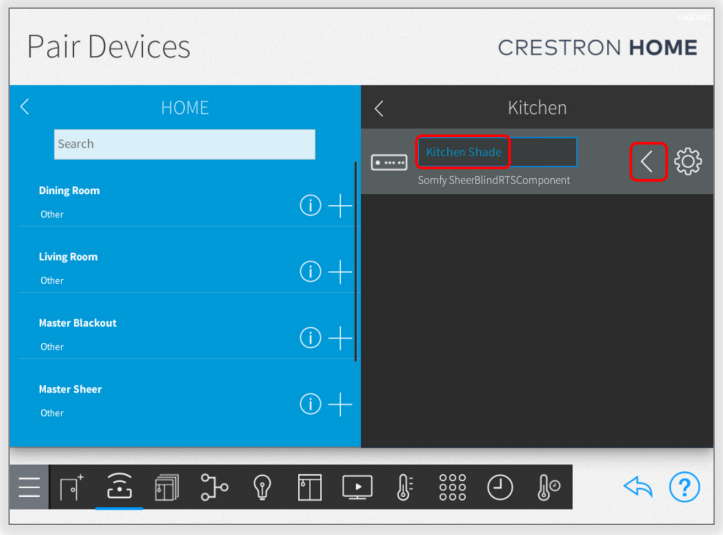


3) SELECT a room where a Paired Device is located, SELECT the + icon to add the device to the appropriate room

   NOTE: Selecting Managed Platform will show the folder containing the motors the driver has detected.



4) ENTER a descriptive name for the Blind device, SELECT "OK"
    - To rename a device, ENTER a new name in the Device Name field
    - To remove a device, SELECT the left arrow icon
5) Use the Crestron Home App to test device operation



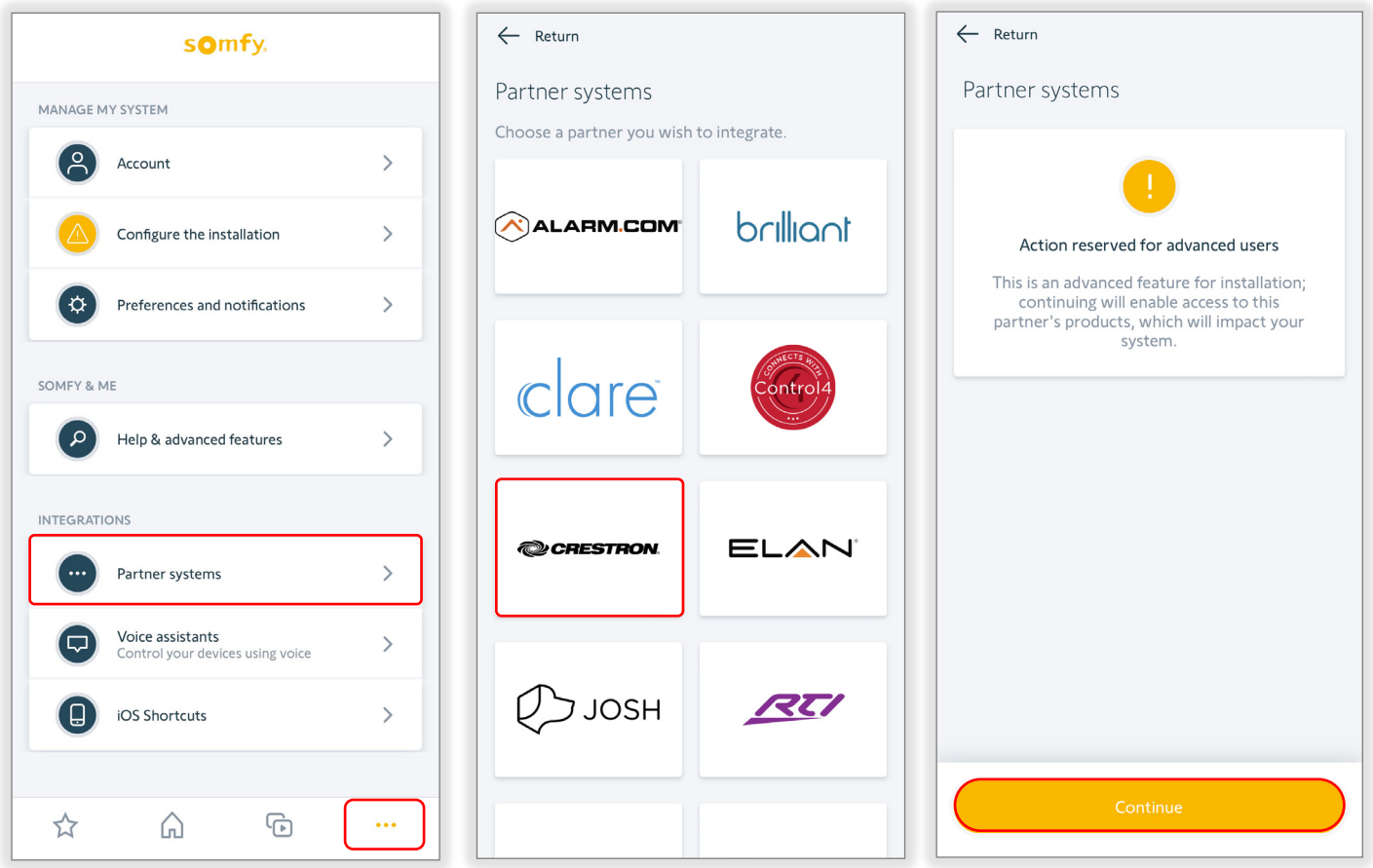
Refer to Appendix B of this guide for available commands and actions. RTS motors do not report positional feedback.
RTS motors are capable of one programmable "my" or favorite position that requires a Stop command when the motor is at rest.
NOTE: RTS Channels will populate as motors for single or multiple 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 "Partner systems"
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)

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)

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

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CRESTRON HOME | somfy®

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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