INTEGRATION GUIDE

SAVANT 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 SAVANT Integrators for achieving complete automation of ZigBee® and Radio Technology Somfy® (RTS) motors with the Somfy TaHoma® switch.

What does this Guide contain?

The sections of this guide contain walkthroughs and methods of controlling Zigbee and RTS motors using the TaHoma® switch as the bridge between SAVANT 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 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

Mac OS

Savant Racepoint Blueprint Version 9.2.2 or newer

Somfy TaHoma Profile Version 1.5 or newer

SAVANT

NOTE: Savant does not support the control of Somfy tilt products or lighting devices (Somfy Smart Plugs & Lighting Receivers).

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

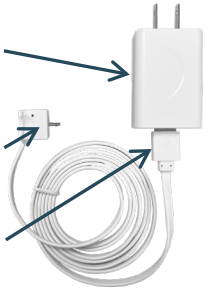
AMBER
DATA TRANSFER

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

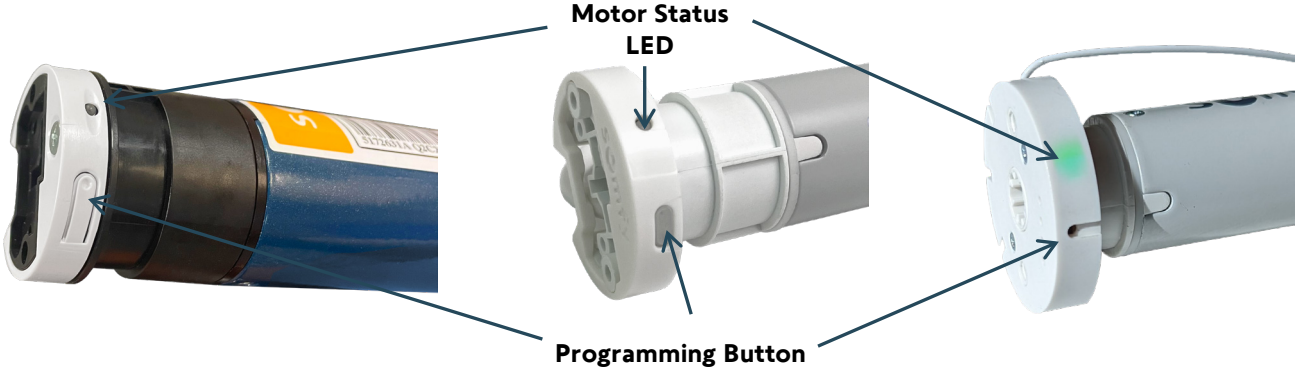
Programming Button
To pair and reset products



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.

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:

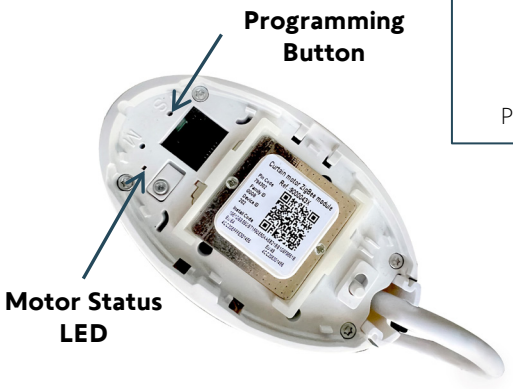
AMBER
MOTOR IS NOT SET
IN SETTING MODE
IN ADJUSTMENT MODE

GREEN
MOTOR IS CHARGING
CONFIRMED SETTING

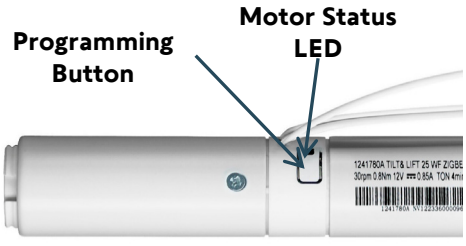
RED
LOW BATTERY CHARGE
THERMAL PROTECTION
IMPOSSIBLE SETTING

NOT ILLUMINATED ONCE PAIRED AND OPERATIONAL

DRAPERY MOTOR



CORD LIFT MOTOR



IV. SYSTEM PREPARATION

SOMFY SYSTEM

A fully operational TaHoma system is required prior to SAVANT 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)

SAVANT SYSTEM

A fully operational SAVANT system is required prior to TaHoma integration.

- SAVANT programming should be complete including the System Host and network devices

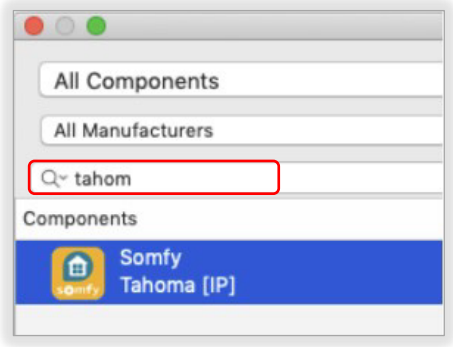
V. SET UP

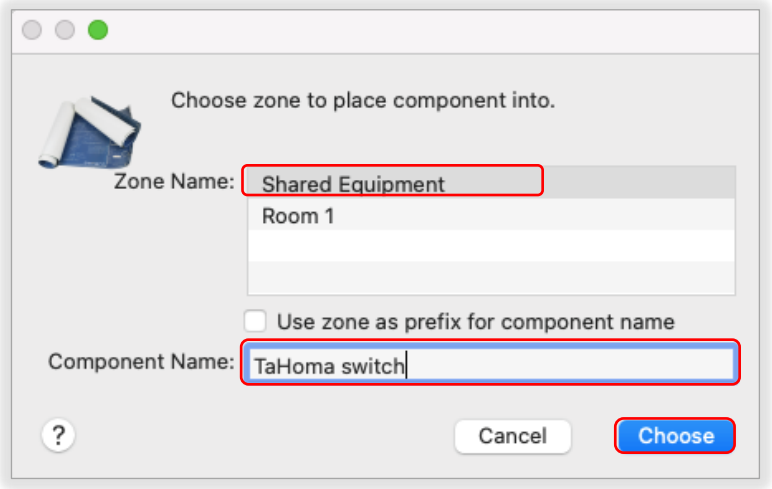
ADD TAHOMA PROFILE

A Somfy TaHoma switch profile is required for each TaHoma switch installed.

1) SEARCH for and SELECT Somfy TaHoma in the Library
2) DRAG-AND-DROP the TaHoma Profile into the configuration
3) SELECT "Shared Equipment"

   Note: The component must be added to the Shared Equipment Zone.
4) ENTER a profile name in the Component Name field
5) SELECT "Choose"
6) REPEAT step 2 for each TaHoma switch installed





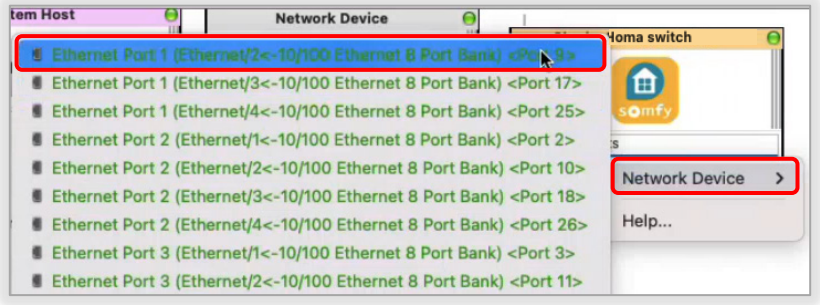
NETWORK SETUP

Third-Party Integration must be enabled 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.
Multiple TaHoma profiles need to be included for all TaHoma boxes in the same project.

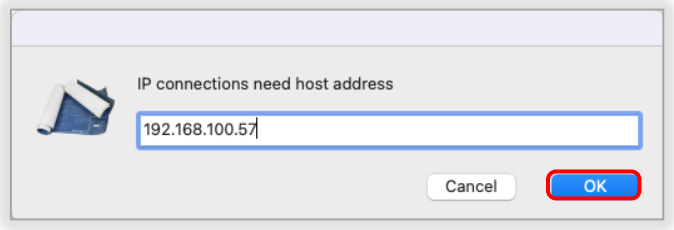
1) SELECT "Ethernet" under Control Ports for the TaHoma Profile



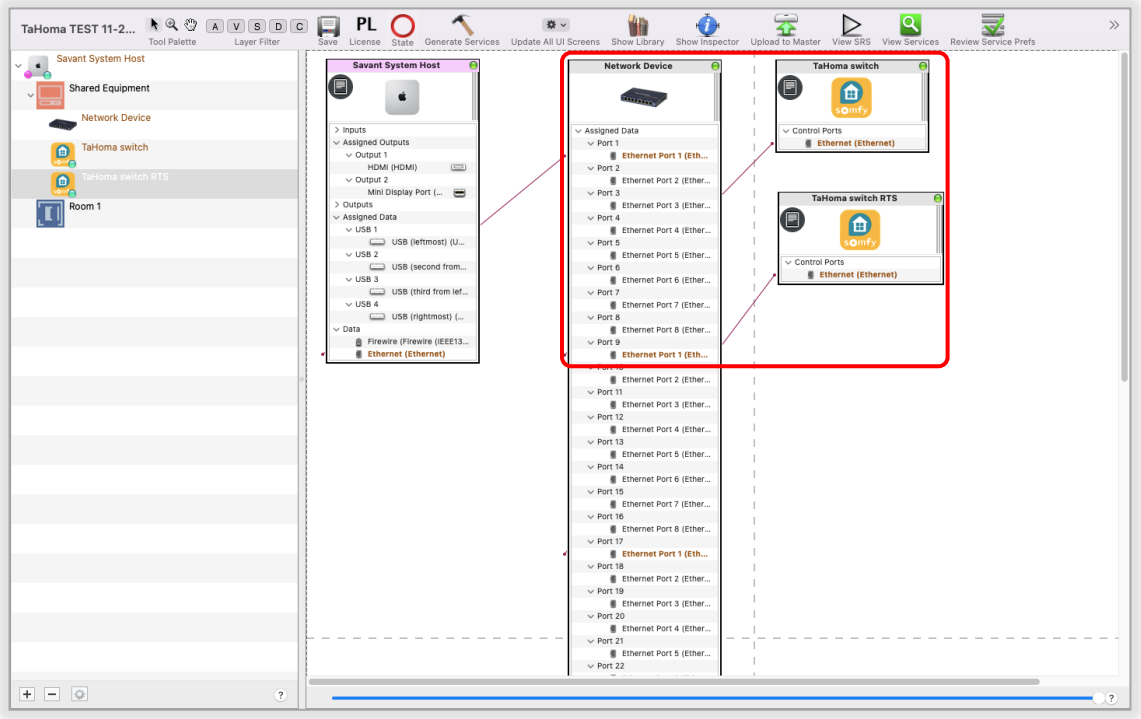
2) SELECT "Network Device" and CHOOSE the Ethernet Port to use



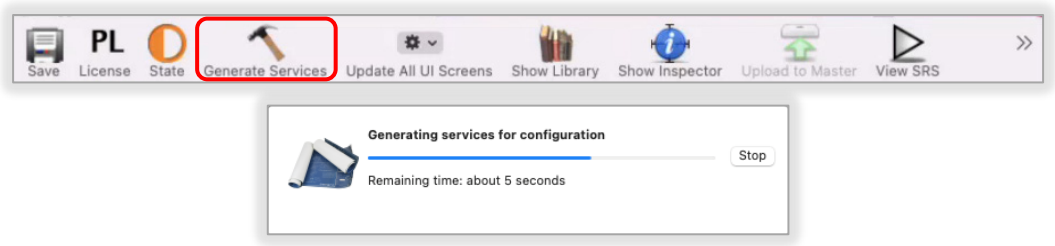
3) ENTER the IP Address of the TaHoma, then SELECT "OK"



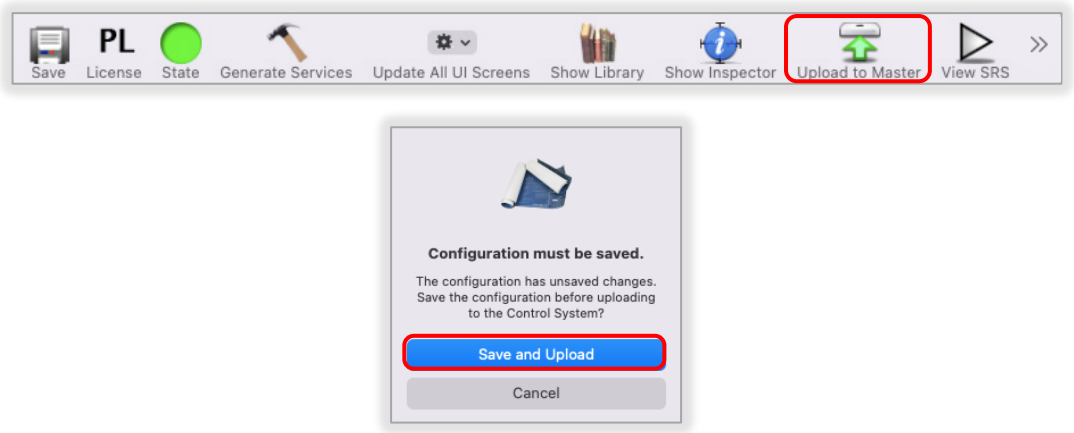
4) CONFIRM the TaHoma profiles added are connected to the Ethernet Ports of the Network Device



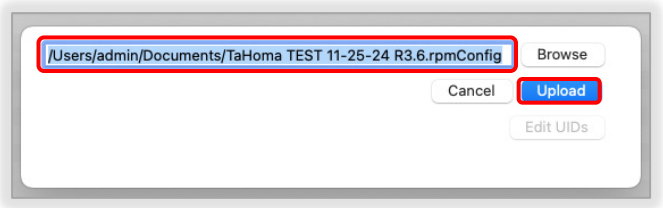
5) SELECT "Generate Services," then WAIT for the process to complete



6) SELECT "Upload to Master," then SELECT "Save and Upload," then WAIT for the Progress to complete

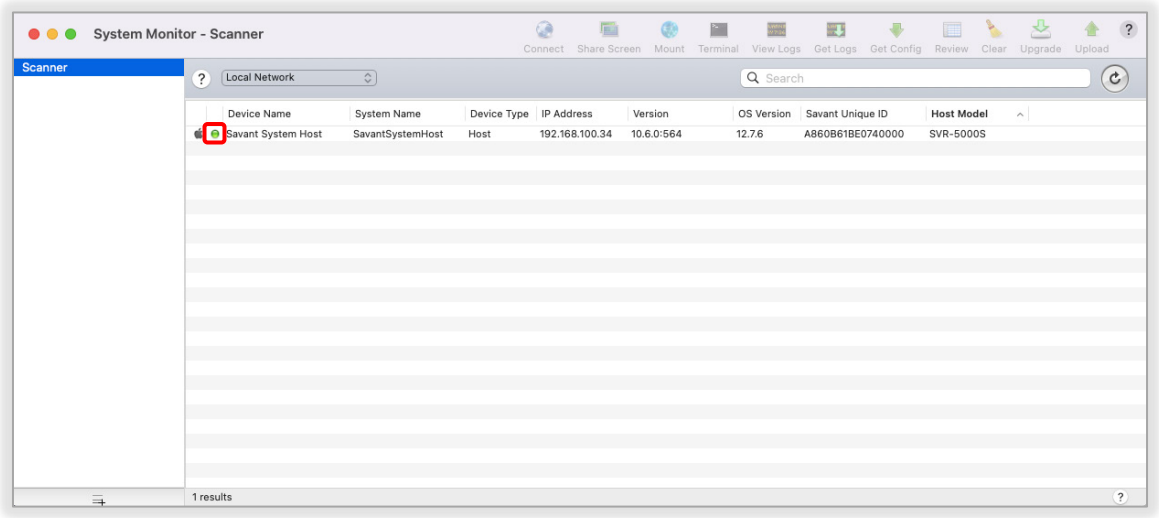


7) BROWSE for a file location, NAME the configuration file, then SELECT "Upload"



8) OPEN the System Monitor and ensure the Savant System Host is online

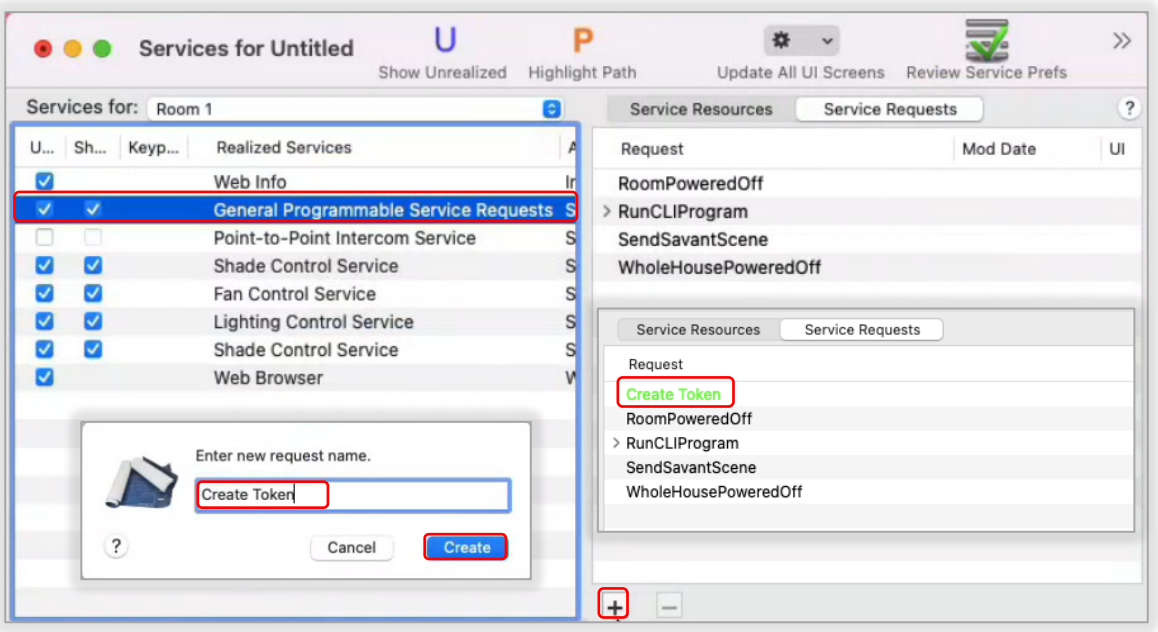
NOTE: The upload is complete when the status circle changes from RED to GREEN.



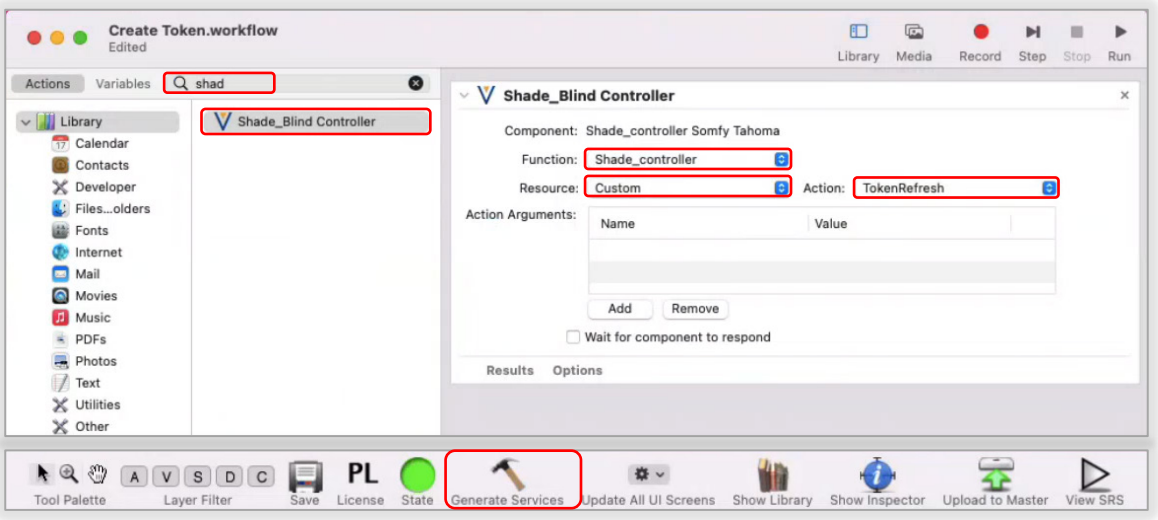
REQUEST AUTHORIZATION TOKEN

An Authorization Token is required for Third-Party Integration and must be enabled first in the TaHoma app (see Appendix A).
An Authorization Token is required for each Somfy TaHoma profile installed.

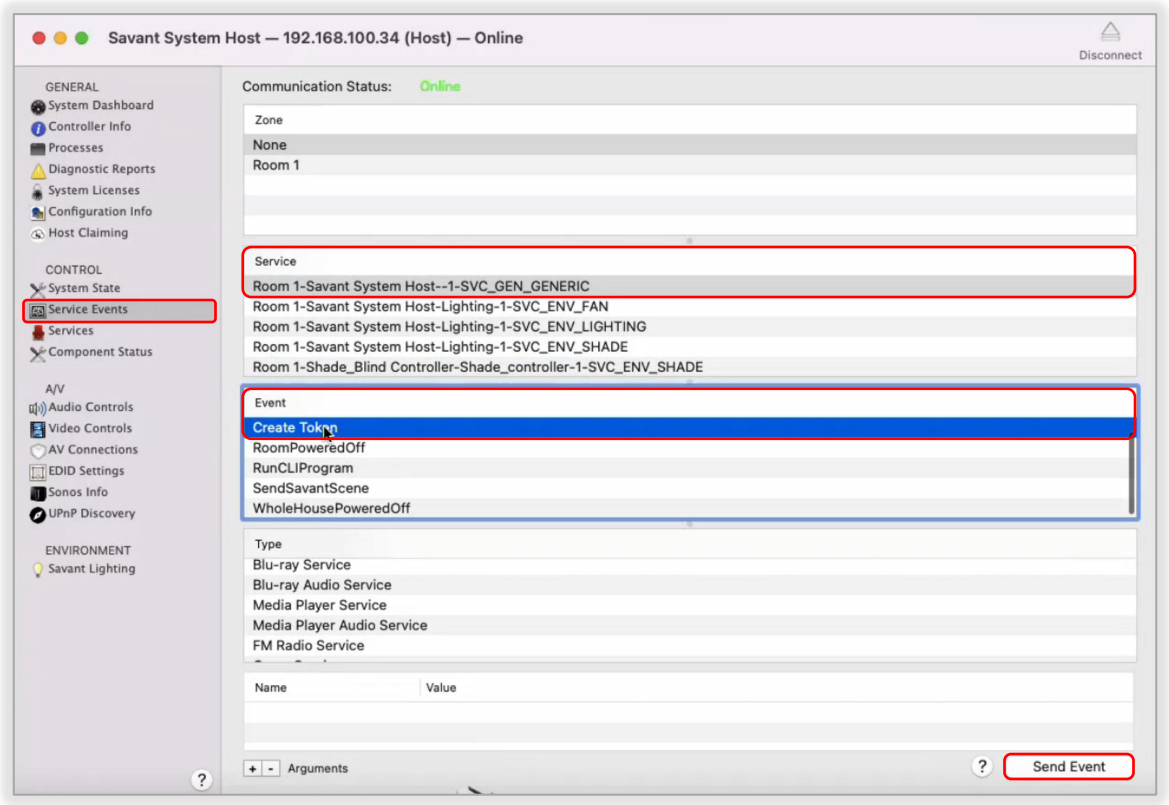
1) CREATE a new service, SELECT "General Programmable Service Requests"
2) SELECT the "+" Button , ENTER "Create Token", then SELECT "Create"
3) DOUBLE-CLICK on the "Create Token" request added to the Service Requests



4) SEARCH for the shade controller
5) DOUBLE-CLICK on the "Shade_Blind Controller" to open it
6) In the Function drop-down, SELECT "Shade_controller"
7) In the Resource drop-down, SELECT "Custom"
8) In the Action drop-down, SELECT "TokenRefresh"
9) SELECT "File", then "Save", then CLOSE the service screens
10) SELECT "Generate Services", WAIT for the process to complete, then CLOSE the service screens
11) SELECT "File", then SELECT "Save As", then NAME the configuration and SELECT "Save"

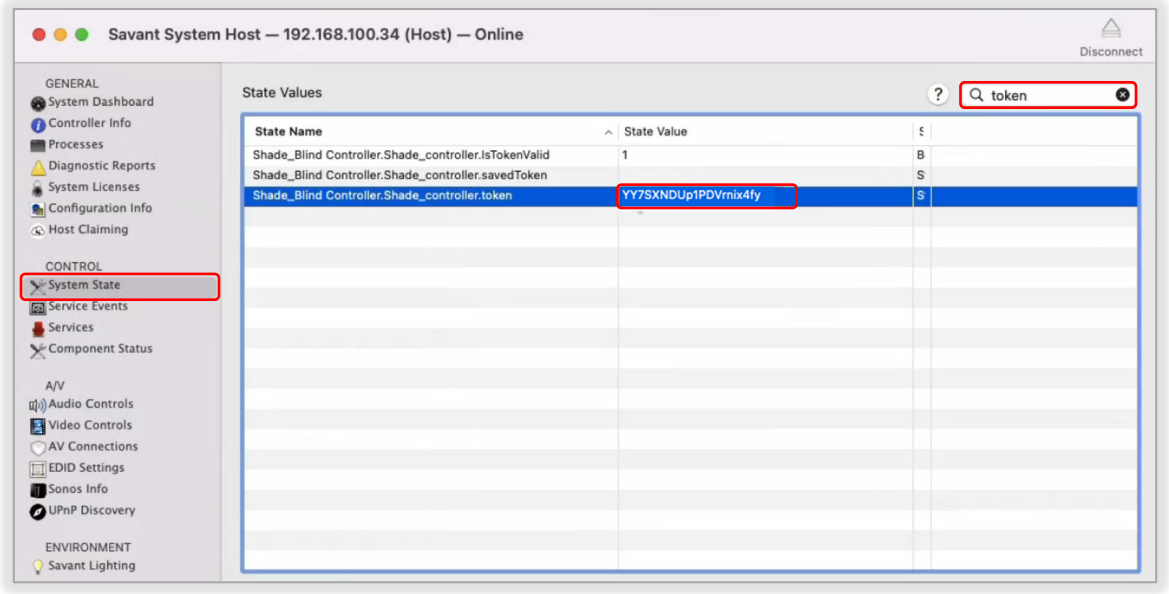


12) SELECT “Service Events”
13) SELECT the Host device in the Service list
14) SELECT the “Create Token” in the Event drop-down list, then SELECT “Send Event”

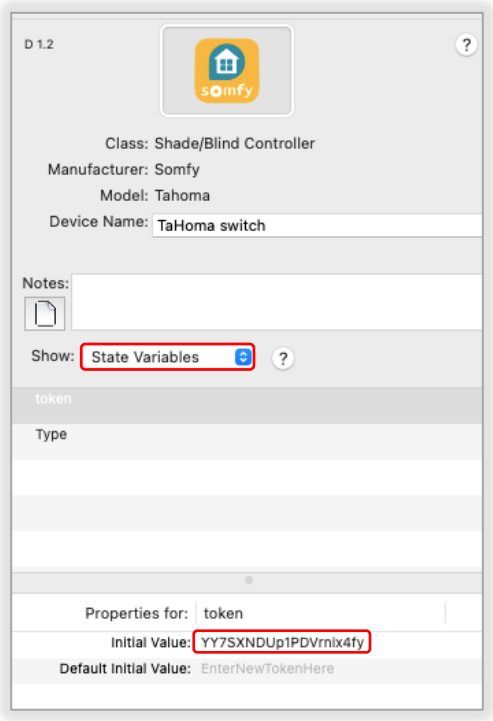


15) SELECT “System State”
16) ENTER “token” in the Search field
17) COPY the appropriate value for the TaHoma Profile under the State Value column

Note: If there are multiple TaHoma switch hubs, copy the correct Token for the applicable TaHoma.



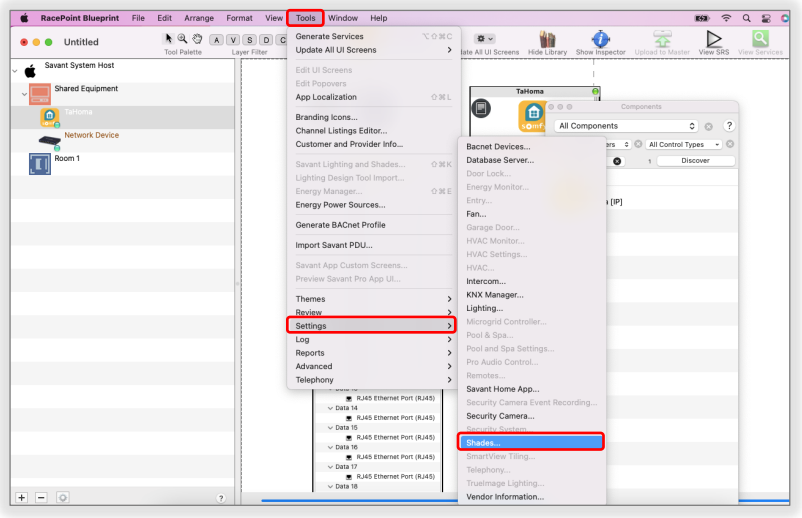
18) OPEN the TaHoma Profile “Inspector Window”
19) SELECT “State Variables” in the Show drop-down, then Select "token"
20) PASTE the value copied in step 7 into the Initial Value field
21) FOLLOW steps 5-8 of the Network Setup section of this guide



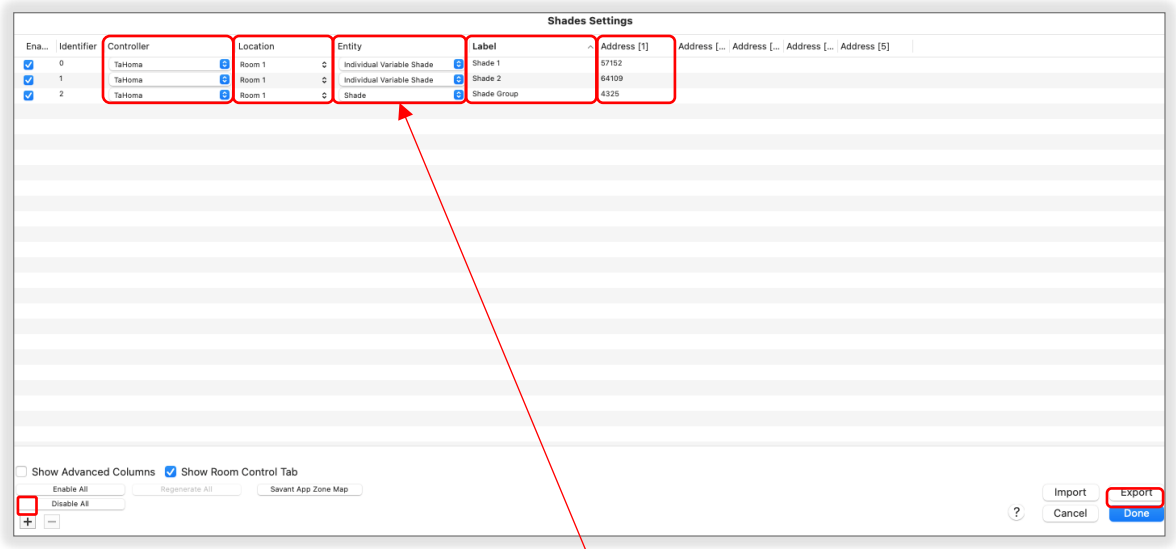
ADD ZIGBEE PRODUCTS

To add Zigbee devices, follow the steps below.
Refer to the Integration Report for the TaHoma motor addresses (see Appendix A).
NOTE: Savant does not support the control of Somfy tilting products or lighting devices (Somfy Smart Plugs & Lighting Receivers).

1) SELECT "Tools"
2) SELECT "Settings"
3) SELECT "Shades"



4) SELECT "+" to add a device
5) SELECT the appropriate TaHoma profile from the Controller drop-down
6) SELECT a Location



7) SELECT an entity to use from the Entity drop-down

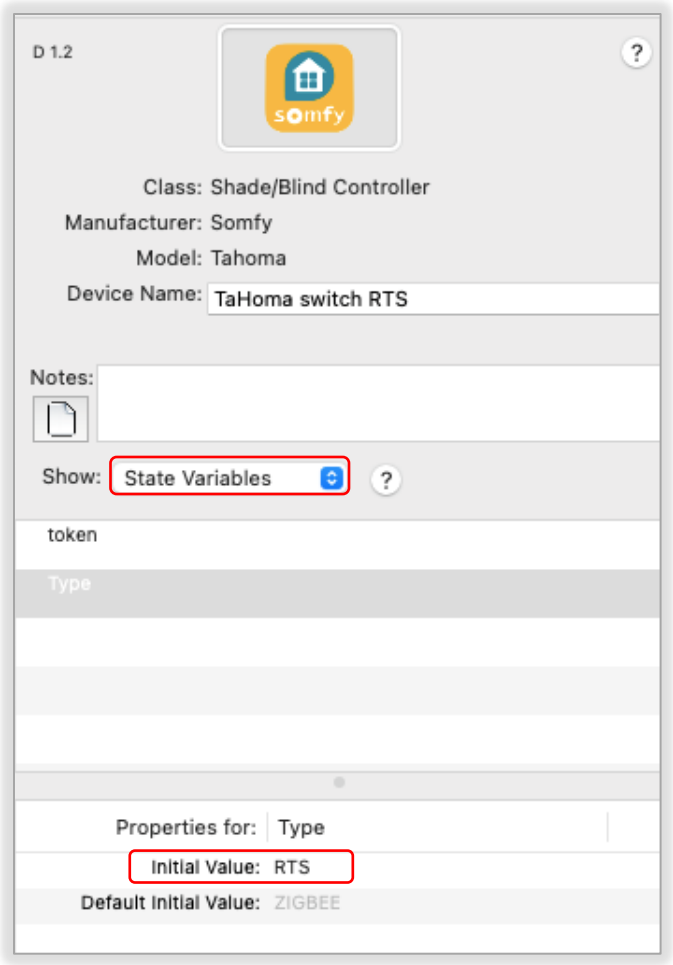
SHADE TYPE	ENTITY TO USE	FEEDBACK AND SCENES
RTS Shade	Shade	NO
Zigbee Shade	Individual Variable Shade	YES
Zigbee Shade Group	Shade	NO

8) ENTER a name for the device under the Label column
9) ENTER the device address from the TaHoma Integration Report in the Address column
   NOTE: Use the numeric device ID after zigbee. or RTS. and before the # or / (see Appendix A for integration report)
10) SELECT "Done"
11) FOLLOW steps 5-8 of the Network Setup section of this guide

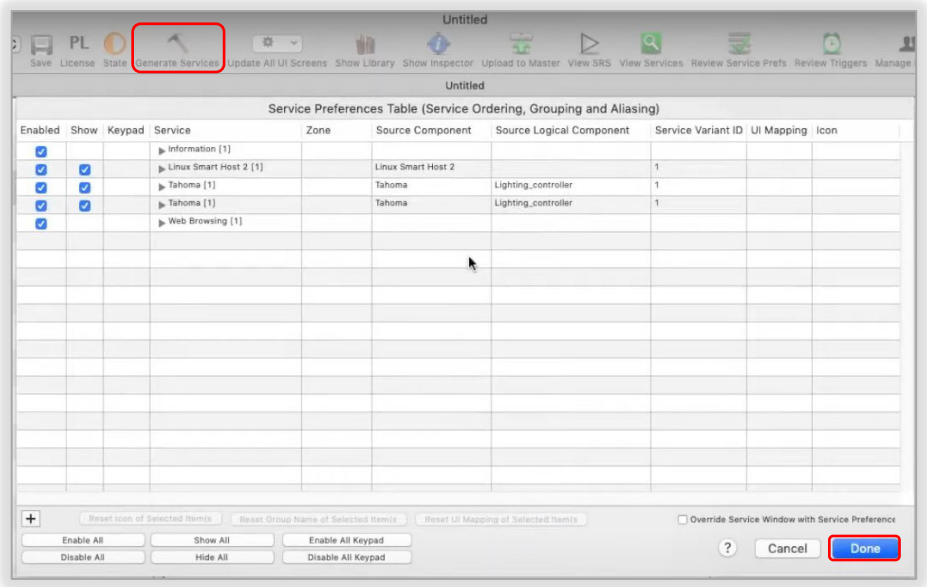
ADD RTS PRODUCTS

To add and control RTS devices, follow the steps below.
Refer to the Integration Report for the TaHoma motor addresses (see Appendix A).

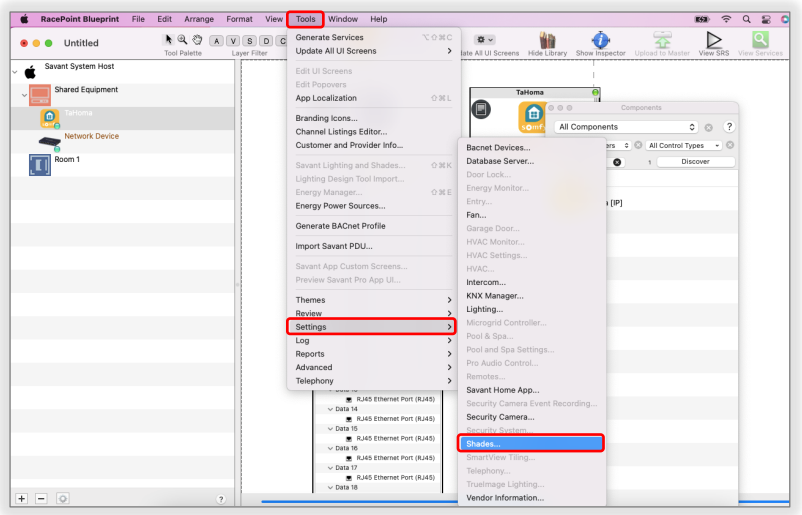
1) Follow the steps from Add TaHoma Profile Section
2) Follow the steps from Network Setup Section using the same IP Address
3) SELECT the new "TaHoma Profile"
4) SELECT "Show Inspector" on the Toolbar
5) ENTER "Tahoma RTS" into the Device Name field
6) SELECT "State Variables" in the Show drop-down menu
7) TYPE "RTS" (Capitalized) in the Initial Value field
   Default Initial Value: Zigbee
8) REPEAT steps 1 through 7 for each TaHoma switch hub



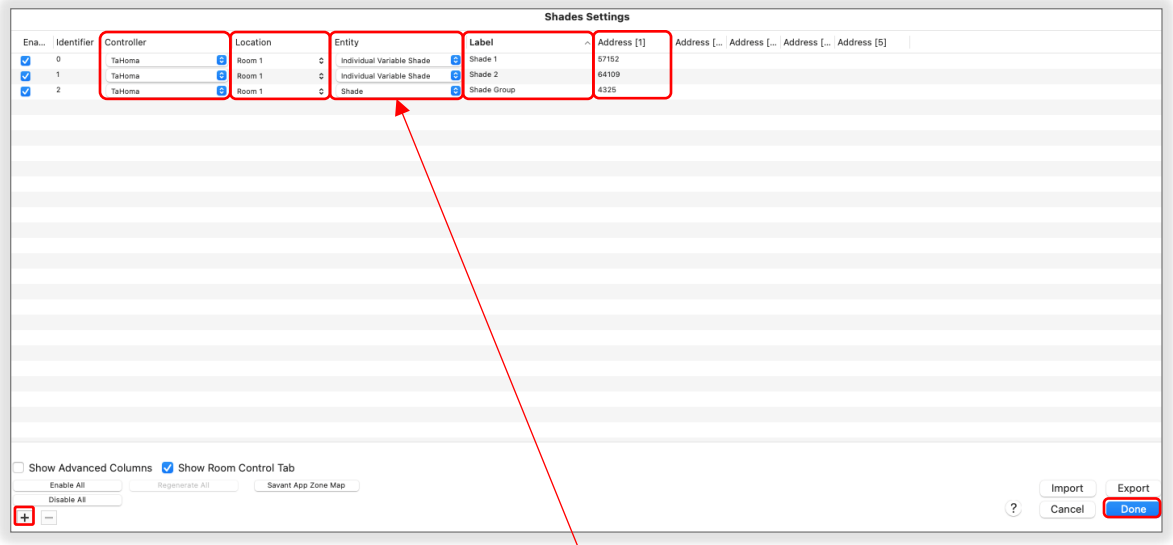
9) SELECT "Generate Services" on the Toolbar
10) SELECT "Done"



11) SELECT “Tools”
12) SELECT “Settings”
13) SELECT “Shades”



14) SELECT “+” to add a device
15) SELECT the appropriate TaHoma profile from the Controller drop-down
16) SELECT a Location for the Shade



17) SELECT “Shade” from the Entity drop-down menu

SHADE TYPE	ENTITY TO USE	FEEDBACK AND SCENES
RTS Shade	Shade	NO
Zigbee Shade	Individual Variable Shade	YES
Zigbee Shade Group	Shade	NO

18) ENTER a name for the device under the Label column
19) ENTER the device address from the TaHoma Integration Report in the Address column

NOTE: Use the numeric device ID after zigbee. or RTS. and before the # or / (see Appendix A for integration report)

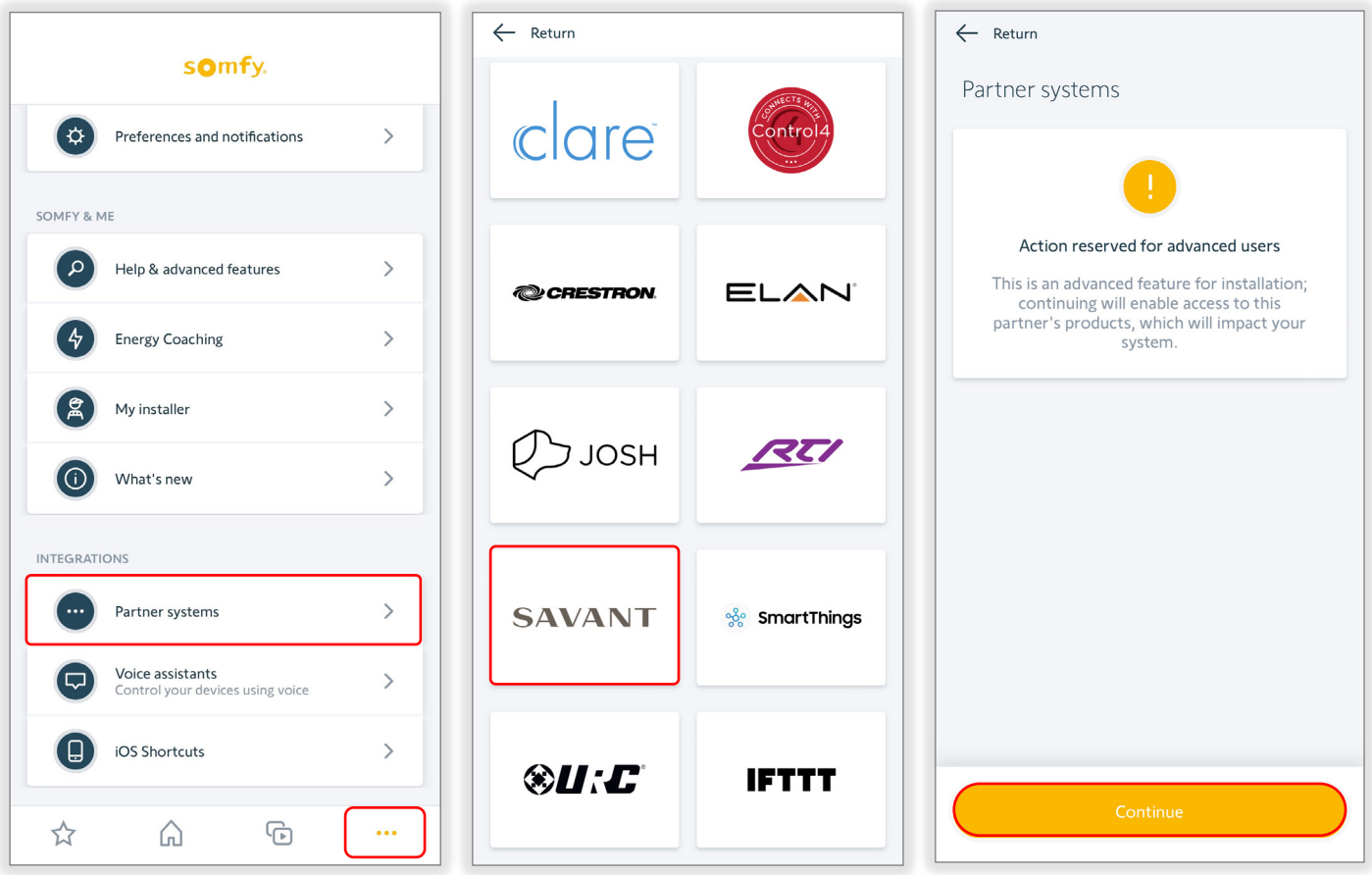
20) SELECT “Done”
21) FOLLOW steps 5-8 of the Network Setup section of this guide

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 “SAVANT”
5) SELECT “Continue”

NOTE: The Integration Report will display all connected products.



[APPENDIX B] AVAILABLE COMMANDS & ACTIONS

NOTE: Savant does not support integration with the following Somfy products:

- *Tilt Motors*
- *Motor Receivers*
- *Lighting devices:*
  - *Smart Plugs*
  - *Lighting Receivers*

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 SAVANT custom programming)
Slider	Moves blind to a percent openness (0-100)

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 SAVANT custom programming)

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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SAVANT | 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.

A BRAND OF SOMFY GROUP

Somfy Systems, Inc.
T: (800) 22-SOMFY
www.somfypro.com

New Jersey
121 Herrod Blvd.
Dayton, NJ 08810
T: (609) 395-1300
F: (609) 395-1776

Florida
1200 SW 35th Ave.
Boynton Beach, FL 33426
T: (561) 995-0335
F: (561) 995-7502

California
15301 Barranca Pkwy.
Irvine, CA 92618-2201
T: (949) 727-3510
F: (949) 727-3775

Somfy ULC
T: (800) 66-SOMFY
www.somfypro.ca

Canada
6411 Edwards Blvd.
Mississauga, ON L5T 2P7
T: (905) 564-6446
F: (905) 238-1491