

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

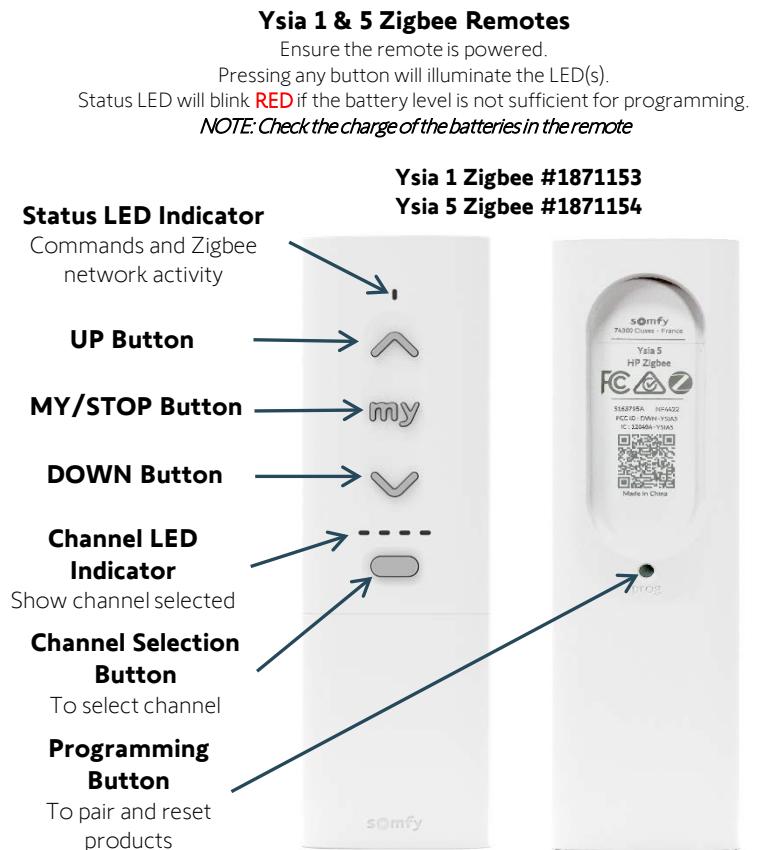
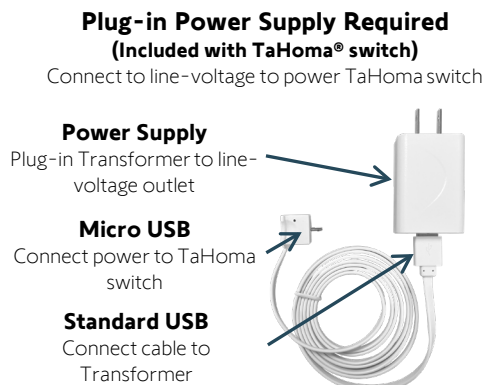
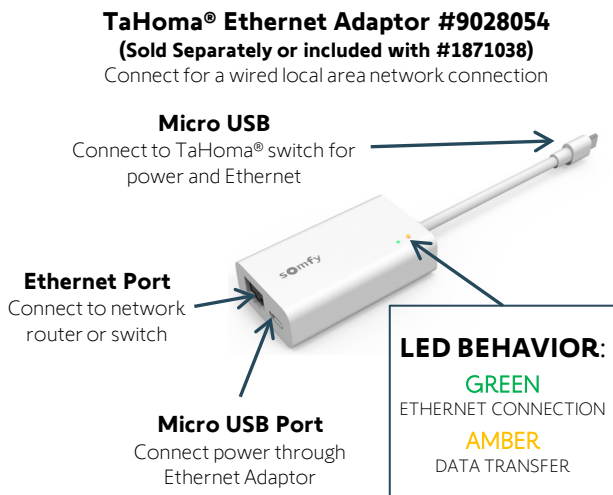
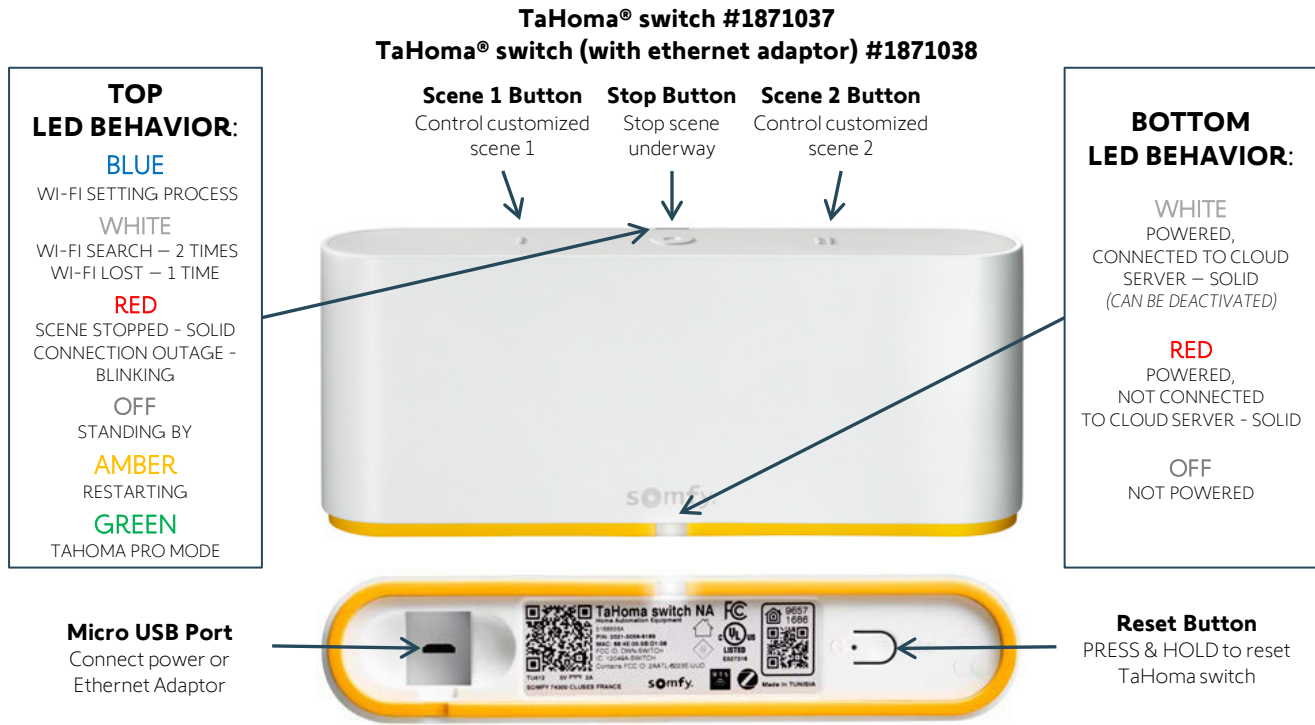
Somfy TaHoma Profile Version 1.5 or newer

SAVANT

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

III. INSTALLATION

BUTTONS & INDICATORS



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

Motor Status
LED



Sonesse® 40 120V AC Zigbee
shown above

Programming Button

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

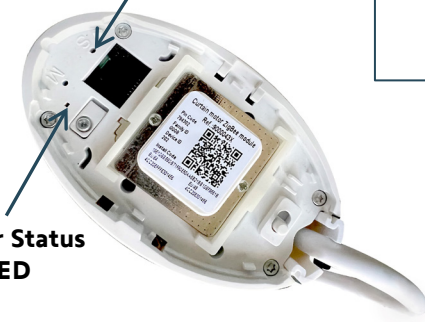
RED

LOW BATTERY CHARGE
THERMAL PROTECTION
IMPOSSIBLE SETTING
NOT ILLUMINATED ONCE
PAIRED AND OPERATIONAL

DRAPERY MOTOR

Programming
Button

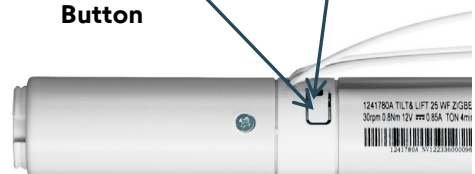
Motor Status
LED



CORD LIFT MOTOR

Programming
Button

Motor Status
LED



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.

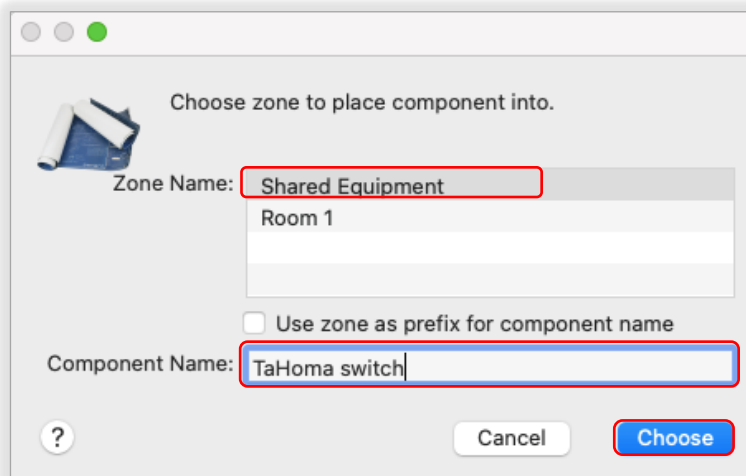
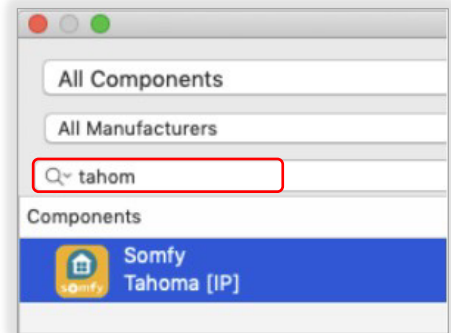
- SAVANT programming should be complete including the System Host and network devices

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



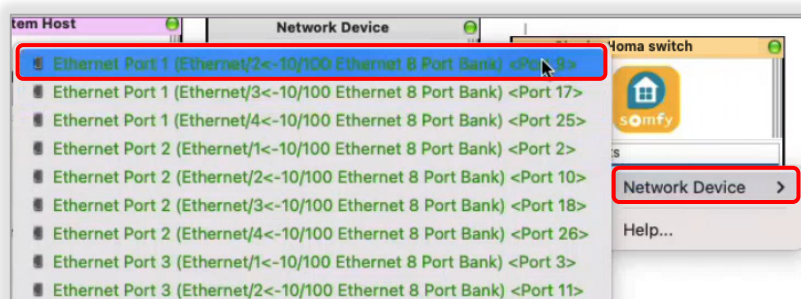
NETWORK SETUP

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.

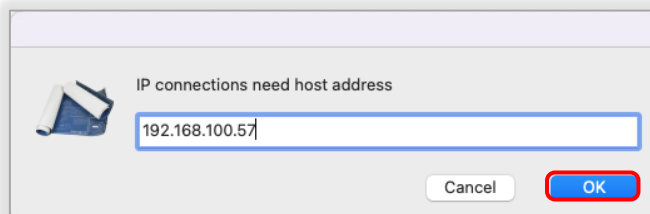
- 1) SELECT "Ethernet" under Control Ports for the TaHoma Profile



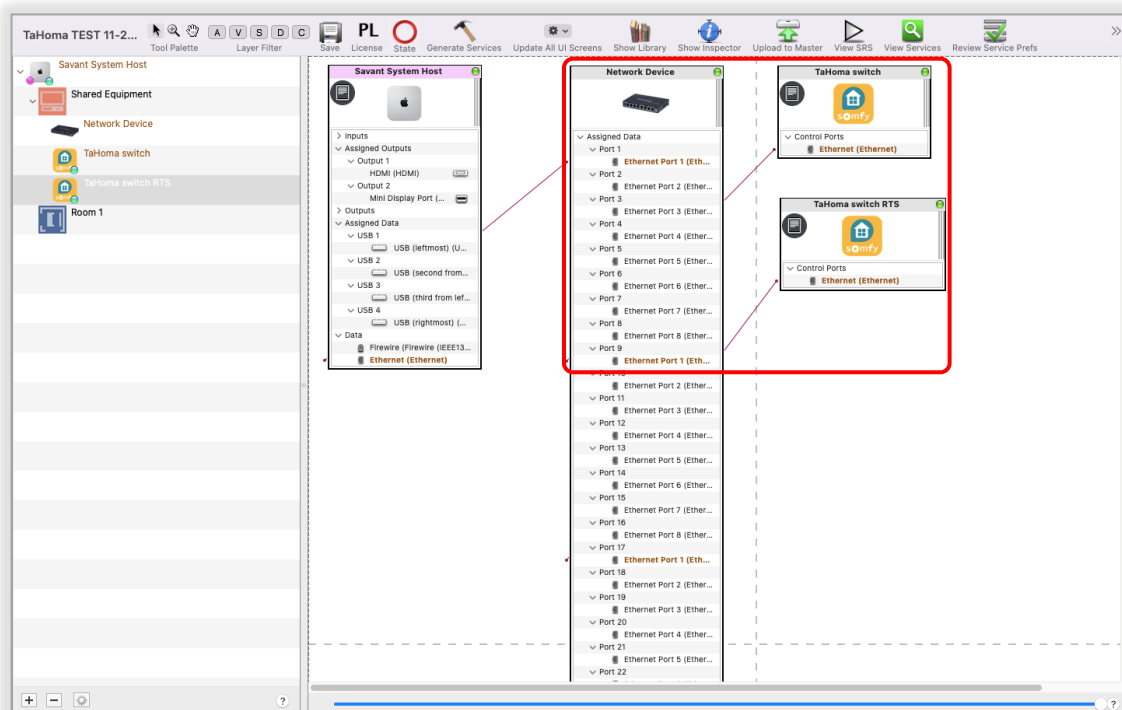
- 2) SELECT "Network Device" and CHOOSE the Ethernet Port to use



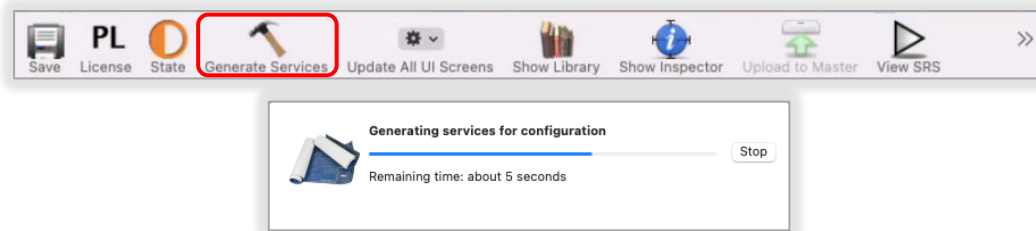
- 3) ENTER the IP Address of the TaHoma, then SELECT "OK"



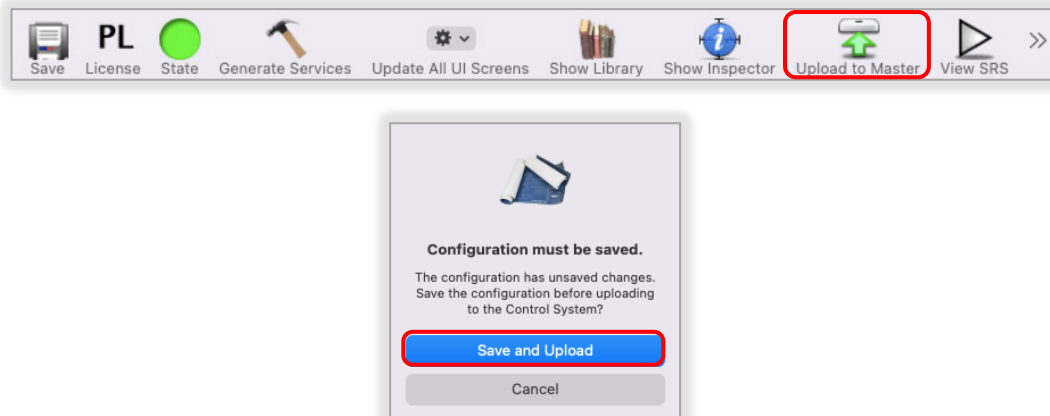
- 4) CONFIRM the TaHoma profiles added are connected to the Ethernet Ports of the Network Device



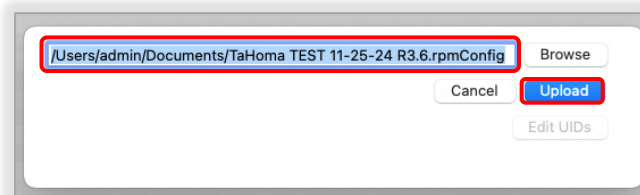
- 5) SELECT "Generate Services," then WAIT for the process to complete



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

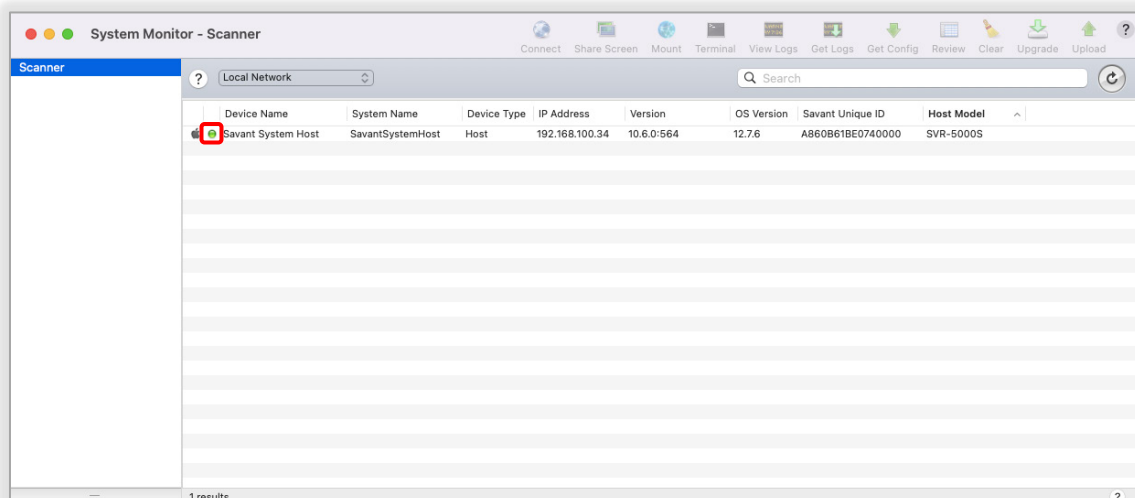


- 7) BROWSE for a file location, NAME the configuration file, then SELECT "Upload"



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

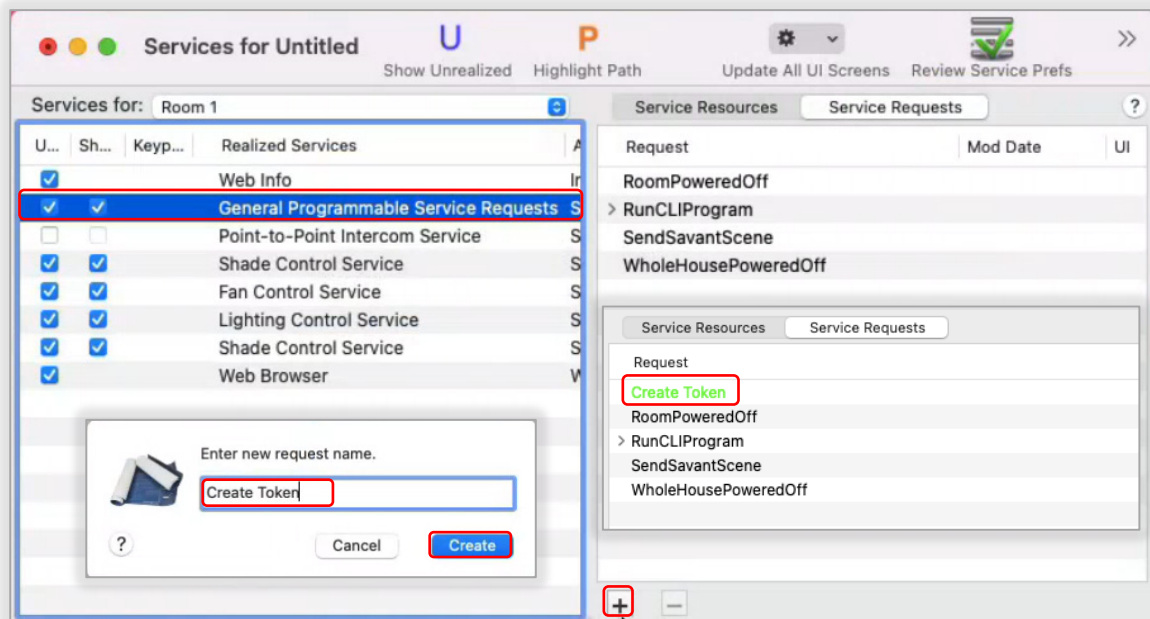
NOTE: The upload is complete when the status circle changes from **RED** to **GREEN**.



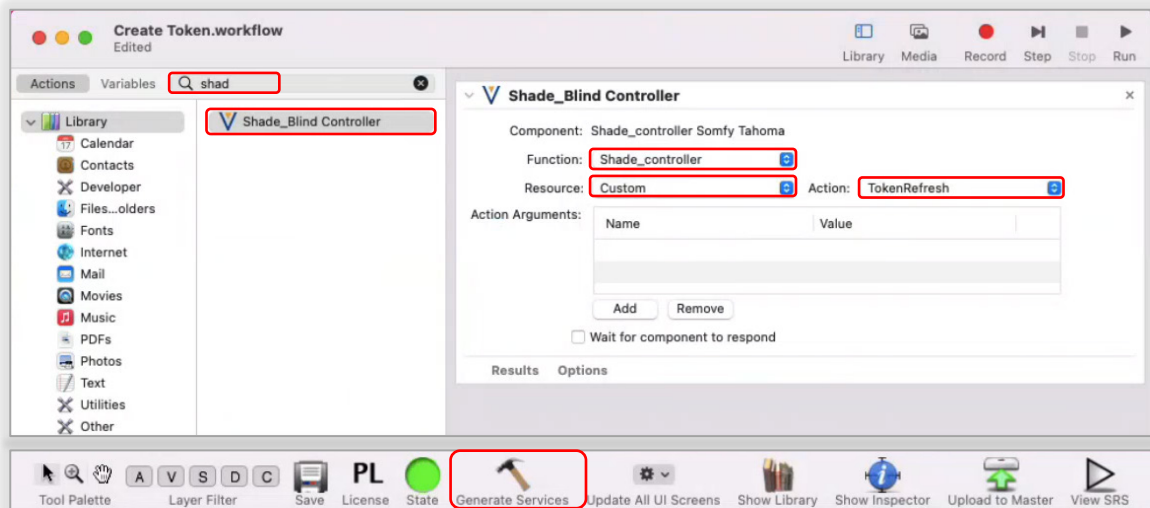
REQUEST AUTHORIZATION TOKEN

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.

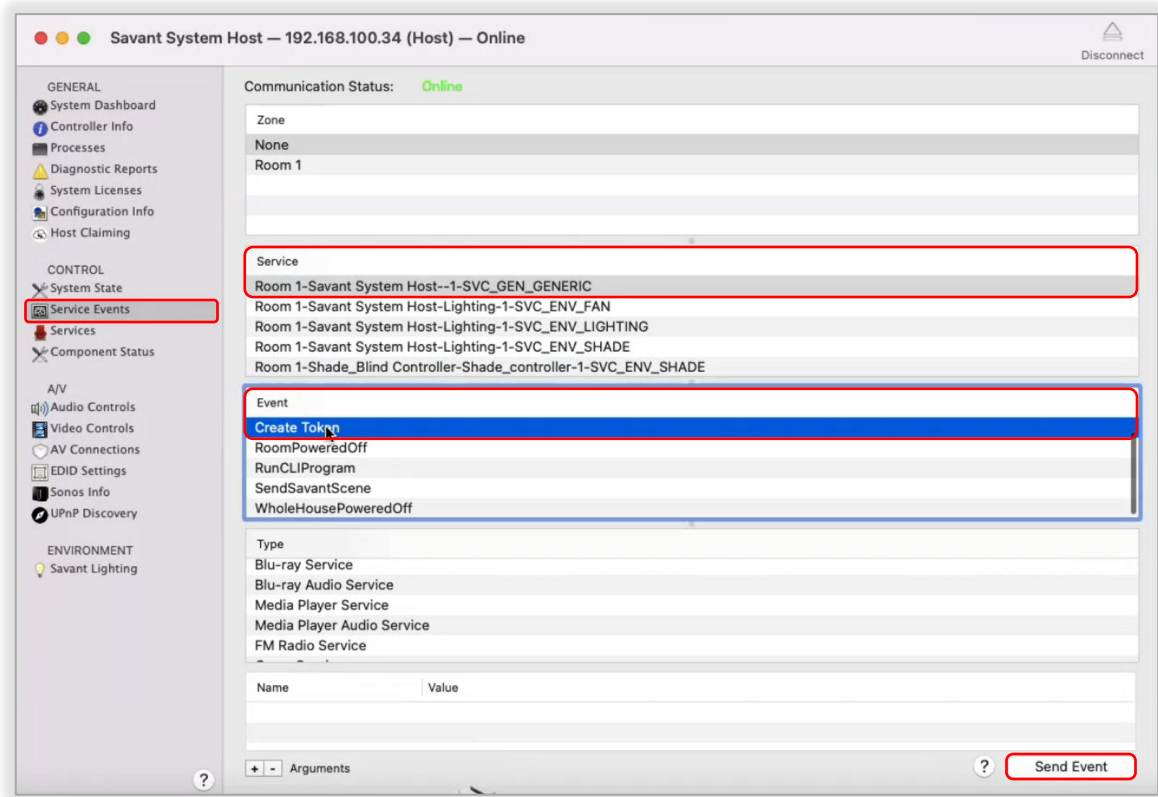
- 1) CREATE a new service, SELECT "General Programmable Service Requests"
- 2) SELECT the "+" Button, ENTER "Create Token", then SELECT "Create"
- 3) DOUBLE-CLICK on the "Create Token" request added to the Service Requests



- 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"

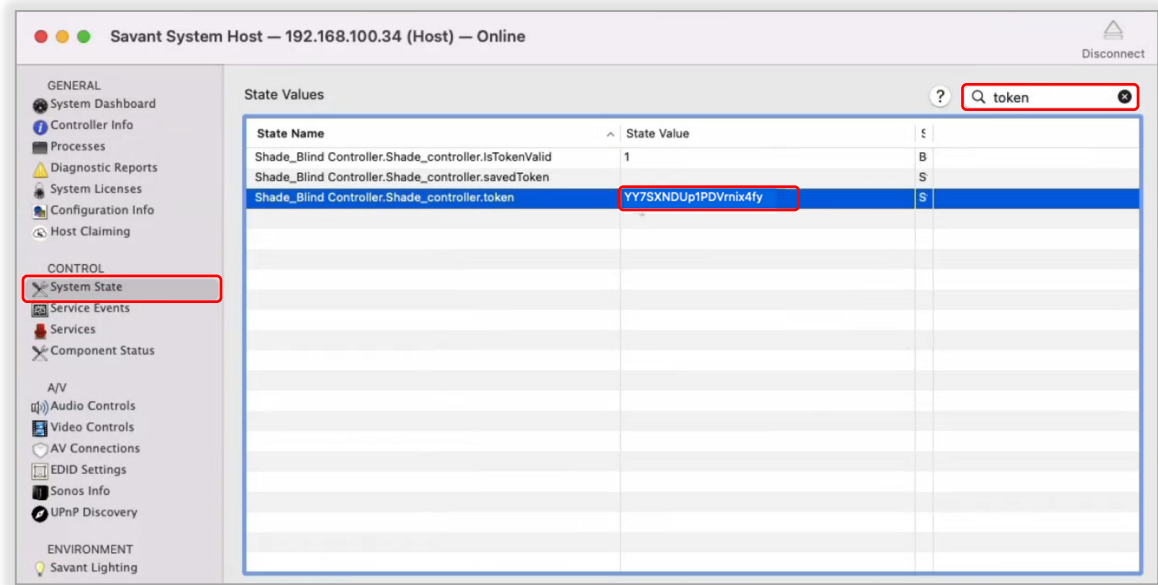


- 12) SELECT “Service Events”
- 13) SELECT the Host device in the Service list
- 14) SELECT the “Create Token” in the Event drop-down list, then SELECT “Send Event”



- 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](#)

The screenshot shows the 'Inspector Window' for a 'TaHoma switch' device. The window is titled 'D 1.2' and features the Somfy logo. It displays the following information:

- Class: Shade/Blind Controller
- Manufacturer: Somfy
- Model: Tahoma
- Device Name: TaHoma switch

Below this information is a 'Notes' section with a document icon. The 'Show:' dropdown menu is set to 'State Variables', and a search icon is visible. The 'token' variable is selected, and its 'Initial Value' is entered as 'YY75XNDUp1PDVrnix4fy'. The 'Default Initial Value' is 'EnterNewTokenHere'.

token
Type

Properties for: token

Initial Value: YY75XNDUp1PDVrnix4fy

Default Initial Value: EnterNewTokenHere

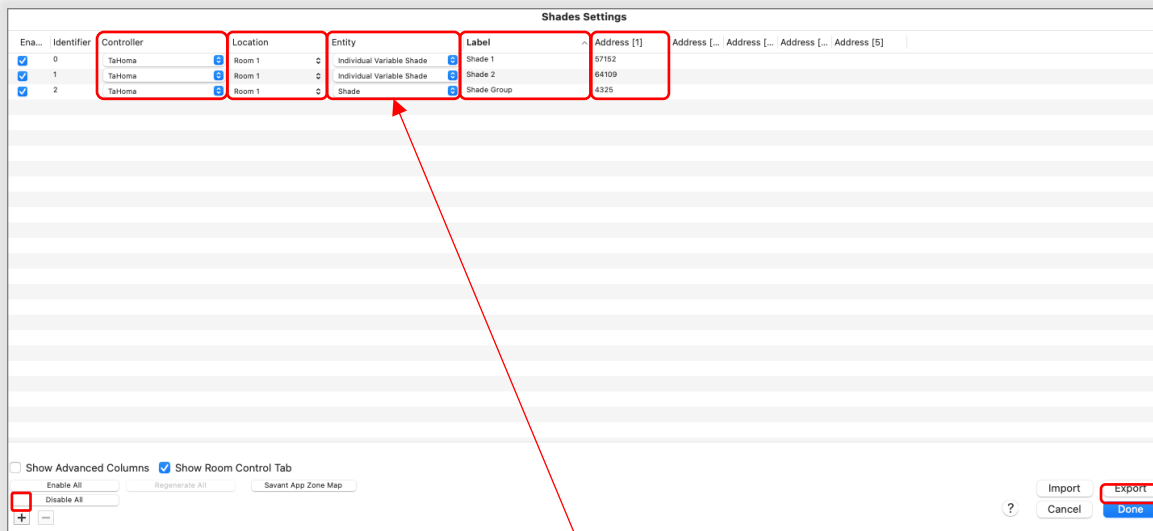
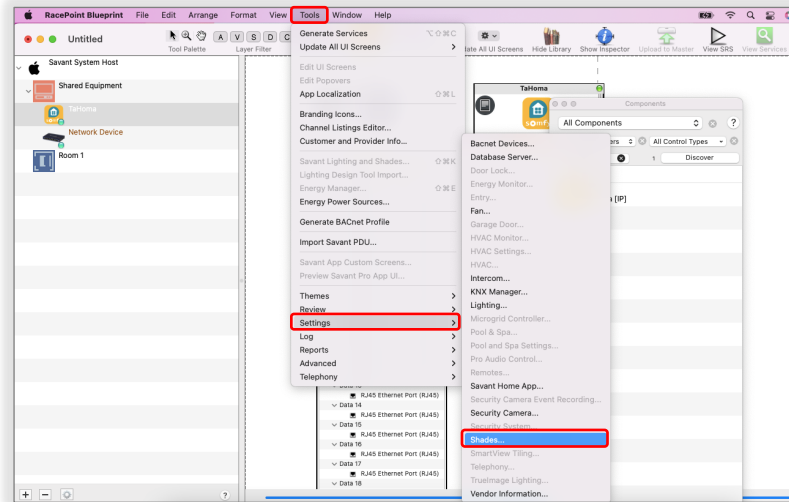
ADD ZIGBEE PRODUCTS

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

D 1.2

Somfy

Class: Shade/Blind Controller
Manufacturer: Somfy
Model: Tahoma
Device Name: TaHoma switch RTS

Notes:

Show: State Variables

token

Type

Properties for: Type

Initial Value: RTS

Default Initial Value: ZIGBEE

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

Untitled

Save License State Generate Services Update All UI Screens Show Inspector Upload to Master View SRS View Services Review Service Preps Review Triggers Manage

Untitled

Service Preferences Table (Service Ordering, Grouping and Aliasing)

Enabled	Show	Keypad	Service	Zone	Source Component	Source Logical Component	Service Variant ID	UI Mapping	Icon
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Information [1]						
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Linux Smart Host 2 [1]		Linux Smart Host 2		1		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tahoma [1]		Tahoma	Lighting_controller	1		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Tahoma [1]		Tahoma	Lighting_controller	1		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Web Browsing [1]						

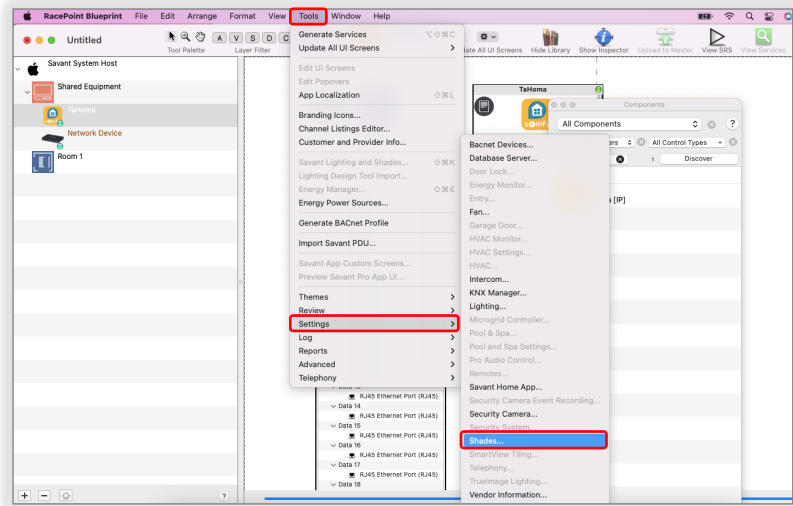
Reset Icon of Selected Items Reset Group Name of Selected Items Reset UI Mapping of Selected Items

Enable All Show All Enable All Keypad
Disable All Hide All Disable All Keypad

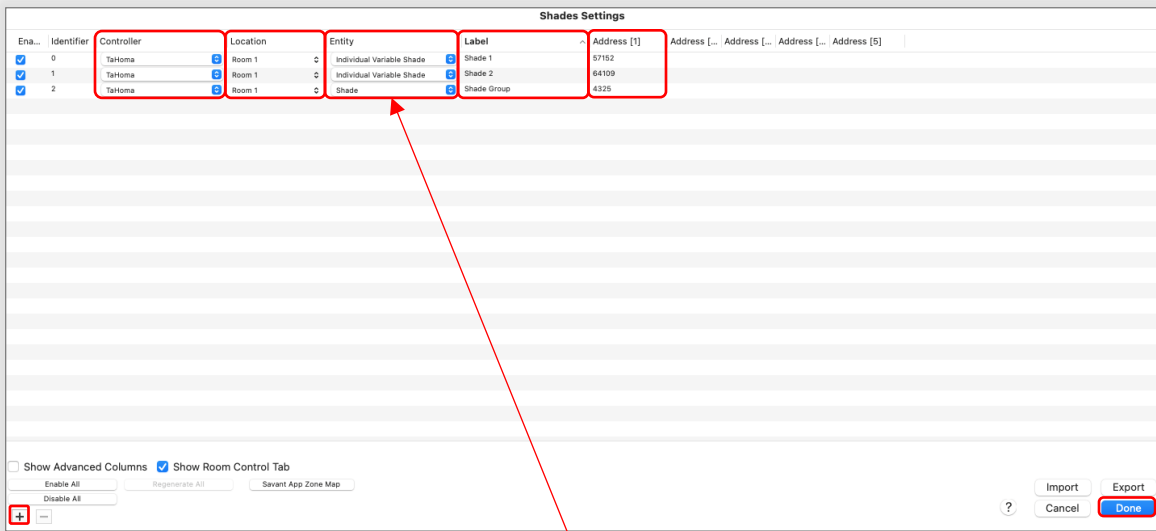
Override Service Window with Service Preference

Cancel 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

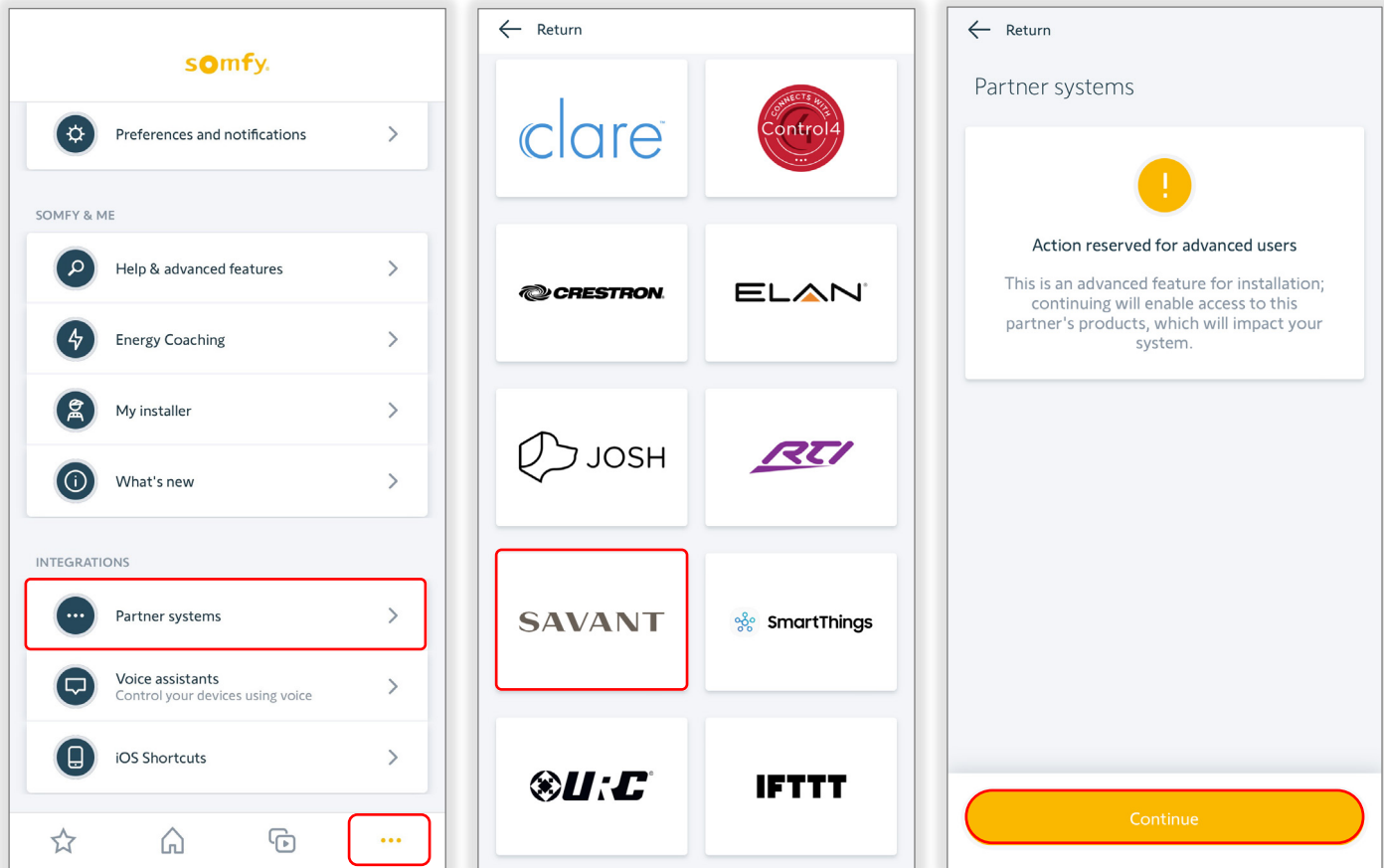
NOTE: Use the numeric device ID after zigbee. or RTS. and before the # or / (see [Appendix A](#) for integration report)
- 20) SELECT “Done”
- 21) FOLLOW steps 5-8 of [the Network Setup section of this guide](#)

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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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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