RTS
Radio Technology Somfy

SAVANT

INTEGRATION for TAHOMA® RTS

somfy.

INTEGRATION GUIDE

SAVANT INTEGRATION for TAHOMA® RTS

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I.   INTRODUCTION

The Somfy Organization strength has been demonstrated with 50 years of experience in motorization. As leaders in the shading industry with innovation and modernization 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 Radio Technology Somfy® (RTS) motors and TaHoma® Smartphone and Tablet Interface.

What does this Guide contain?

The sections of this guide contain walkthroughs and methods of controlling RTS motors using the TaHoma® Smartphone and Tablet Interface as the bridge between the AV System and Smart Shading by Somfy.

This guide discusses the method of integration with SAVANT.

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

DESCRIPTION

The Somfy TaHoma® Smartphone and Tablet Interface provides a single platform for Somfy RTS and future ecosystems with a wide range of interior and exterior applications.

- The TaHoma Interface supports up to 40 RTS channels
- Install up to 10 TaHoma Interfaces as zone controllers to increase the RTS range
- The TaHoma Interface can support a maximum of 40 scenes with schedules per install

Each TaHoma Interface 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 Smartphone and Tablet Interface Programming Guide.

RESOURCES & APPLICATIONS

Visit www.somfypro.com for the following guides:
- Somfy TaHoma Smartphone and Tablet Interface Programming Guide
- Somfy RTS Pocket Programming Guide

Subscribe to the Somfy YouTube Channel www.youtube.com/somfysystems

Visit the Google Play or iOS App Store for the Somfy TaHoma North America App:

Google Play Store   iOS App Store

SYSTEM REQUIREMENTS

Mac OS
Savant Racepoint Blueprint Version 9.2.2 or newer
Somfy TaHoma Interface Profile

II. INSTALLATION

REAR

Configuration Button
Press to enter Wi-Fi Mode for setup

Micro USB Port
Connect power or Ethernet Adaptor

PLUG-IN POWER SUPPLY REQUIRED
(Included with TaHoma Interface)
Connect to line-voltage to power TaHoma Interface

Power Supply
Plug-in Transformer to line-voltage outlet

Micro USB
Connect power to TaHoma Interface

Standard USB
Connect cable to Transformer

FRONT

LED BEHAVIOR:

BLUE
DIRECTLY CONNECTED
Wi-Fi MODE

RED
POWERED,
NOT CONNECTED
TO CLOUD SERVER
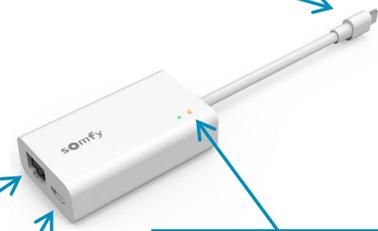
ORANGE
STARTNG UP

GREEN
CONNECTED TO NETWORK

TaHoma® Ethernet Adaptor #1870470 (Sold Separately)
Connect for a wired local area network connection

Micro USB
Connect to TaHoma Interface 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

YELLOW
DATA TRANSFER

II. SETUP

SYSTEM CONFIGURATION

A fully operational TaHoma system is required prior to SAVANT programming. The TaHoma Interface supports up to 40 channels of RTS. RTS devices programmed to an RTS channel will only receive commands from the associated TaHoma Interface.
Interfaces must be placed within 25-35' of the RTS devices they control.

- Confirm with the Shade Commissioning Agent that the TaHoma Interface firmware is up to date

- An Integration Report is generated in the TaHoma App which will include the TaHoma Interface PIN and IP address

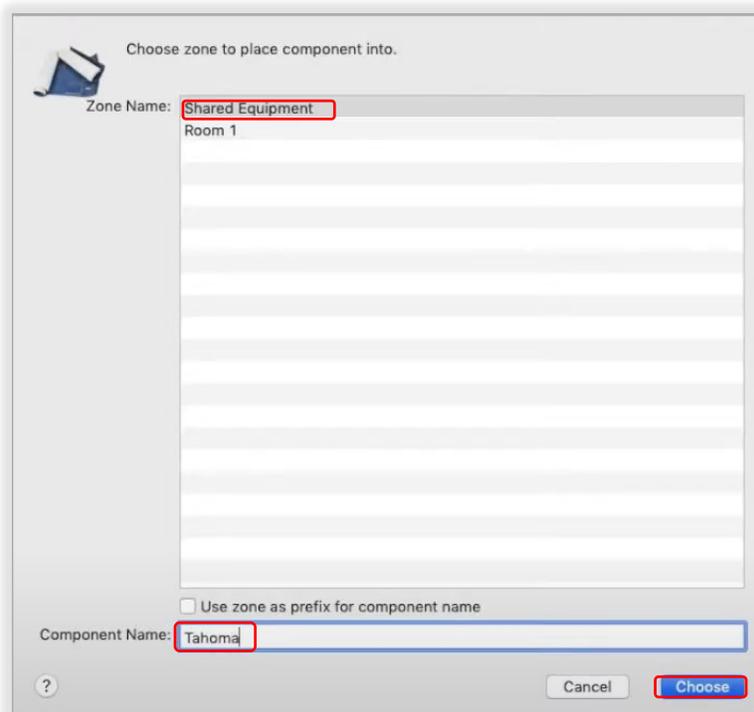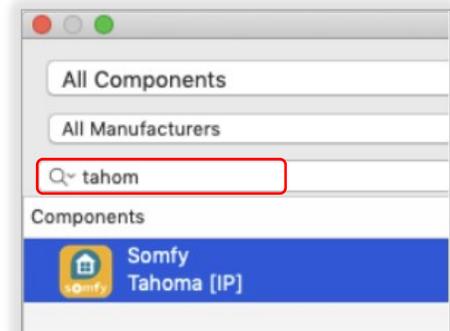- Third-Party Integration must first be enabled in the TaHoma App (see Appendix A)

ADD TAHOMA PROFILE

A fully operational TaHoma system is required prior to Savant programming. A Somfy TaHoma Interface driver is required for each TaHoma Interface installed.

1) ENTER "Somfy TaHoma" into the Search field of the Library

2) DRAG-AND-DROP the TaHoma Profile into the configuration

3) NAME the Profile

4) SELECT "Shared Equipment Room"

   Note: The component must be added to the Shared Equipment Zone.

5) SELECT "Choose"

6) Repeat step 3 for each TaHoma Interface installed

Third-Party Integration must be enabled in the TaHoma App. Reference the Integration Report for the TaHoma Interface IP address. Ensure that a DHCP Reservation via MAC Address of the TaHoma Interface is being used.
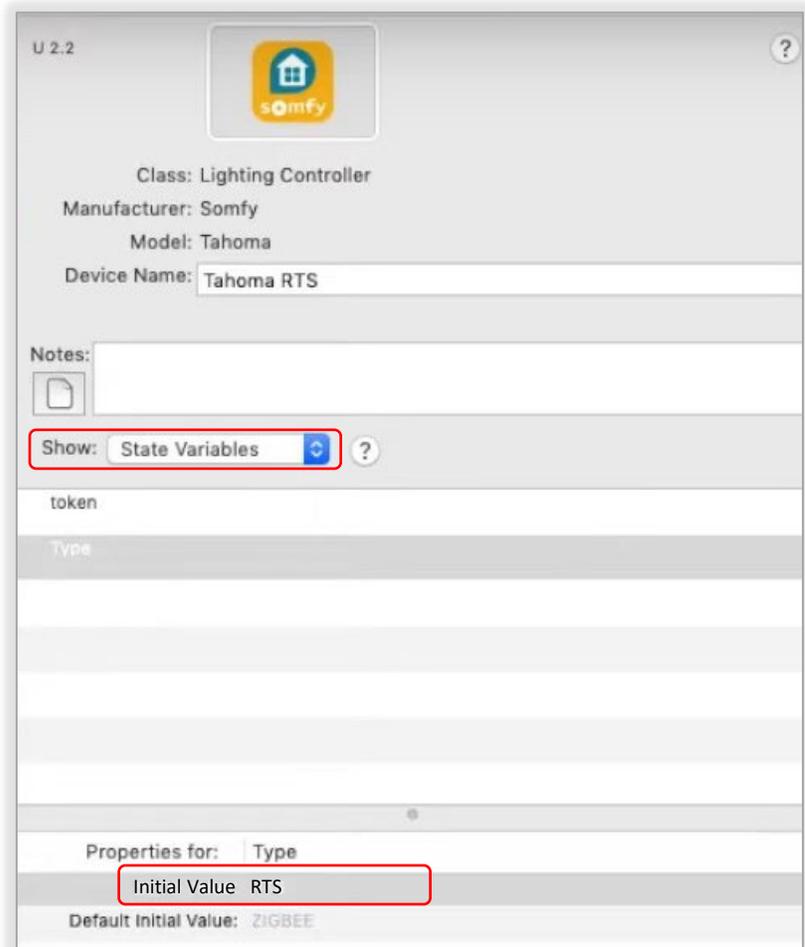
1) SELECT "Ethernet" under Control Ports for the TaHoma Profile
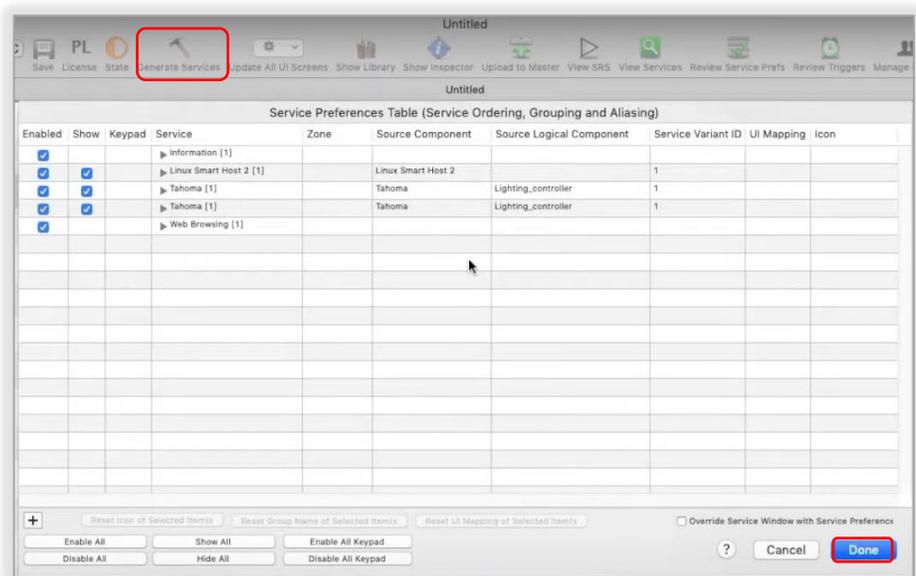
2) TYPE the IP Address of the TaHoma

3) SELECT "OK"
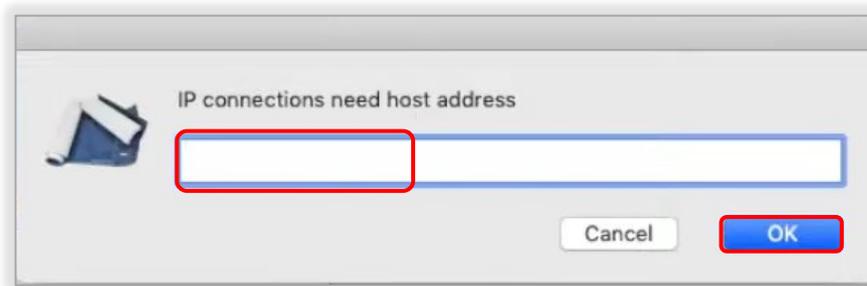
Each TaHoma profile must be set to RTS before proceeding to the next step.

1) SELECT the "TaHoma Profile"

2) SELECT "Show Inspector" on the Toolbar

3) SELECT "State Variables" in the Show drop down menu

4) TYPE "RTS" (Capitalized) in the "Initial Value" field

5) Repeat steps 1–4 for each TaHoma RTS Interface

U 2.2

somfy

Class: Lighting Controller
Manufacturer: Somfy
Model: Tahoma
Device Name: Tahoma RTS

Notes:

Show: State Variables

token

Type

Properties for: Type
Initial Value RTS
Default Initial Value: ZIGBEE

6) SELECT "Generate Services" on the Toolbar

7) SELECT "Done"

Untitled

Save License State Generate Services Update All UI Screens Show Library Show Inspector Upload to Master View SRS View Services Review Service Prefs 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
☑			Information [1]						
☑	☑		Linux Smart Host 2 [1]		Linux Smart Host 2		1		
☑	☑		Tahoma [1]		Tahoma	Lighting_controller	1		
☑	☑		Tahoma [1]		Tahoma	Lighting_controller	1		
☑			Web Browsing [1]						

+ Reset Icon of Selected Items Reset Group Name of Selected Items Reset UI Mapping of Selected Items ☐ Override Service Window with Service Preference

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

? Cancel Done

An Authorization Token is required for Third-Party Integration and must be enabled first in the TaHoma App (see Appendix A).
If a Somfy TaHoma Interface device is deleted, a new Authorization Token must be requested for the Interface device.

1) LAUNCH "System Monitor", SELECT "System State"

2) ENTER "Token" in the search field

3) COPY the "State Value" for the TaHoma Profile
Note: If there are multiple TaHoma Interfaces, copy the correct Token for the TaHoma you are connecting to.
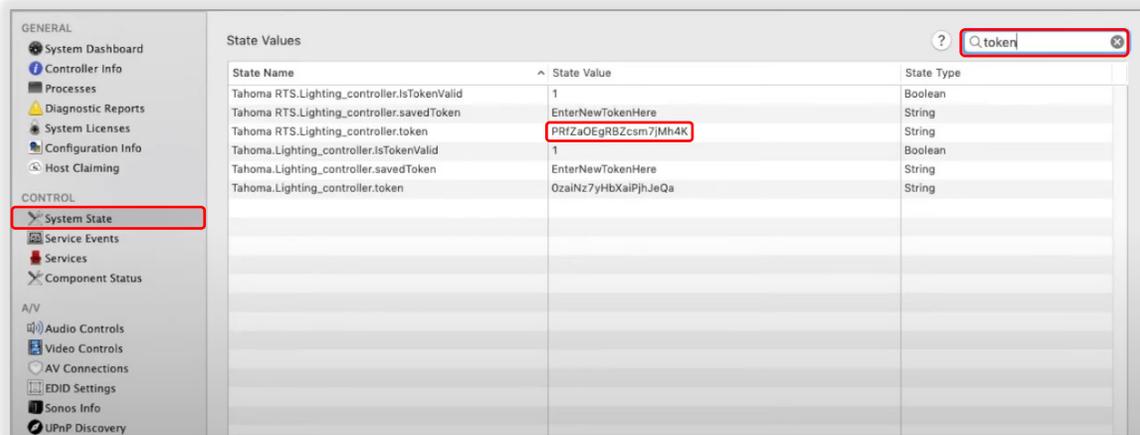
5) OPEN the TaHoma Profile "Inspector Window"

6) SELECT "State Variables" in the Show drop down menu

7) PASTE the "State Value" into the "Initial Value" field (copied in step 3)

8) SELECT "Generate Services"

9) SELECT "Done"

10) SELECT "Upload to Master"

11) SELECT "Save and Upload"
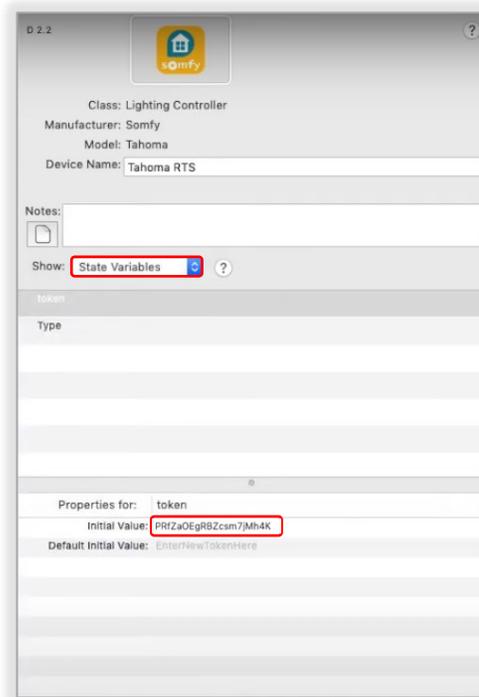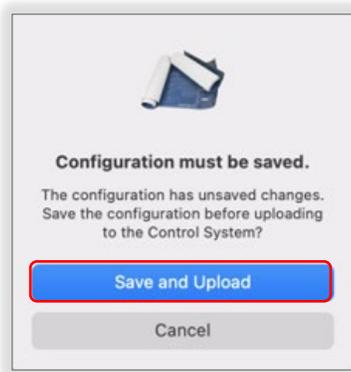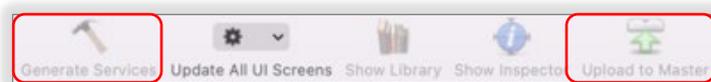
Reference the Integration Report for the TaHoma motor addresses (see Appendix A).

1) SELECT "Tools"

2) SELECT "Settings"

3) SELECT "Shades"

4) SELECT "+" to add an RTS Product

5) SELECT the "TaHoma Interface" profile from the Controller drop down menu

6) SELECT "Location" for the RTS product in the "Label" column

7) SELECT "Shade" from the Entity drop down menu

   Note: Shade must be selected when controlling RTS motors.

8) ENTER a Label for the RTS Product

9) ENTER the RTS Product Address from the TaHoma Integration Report in the "Label" column

10) SELECT "Done"

TaHoma Integration Report

To add more RTS products, SELECT the "+" button, then follow Steps 3-6.

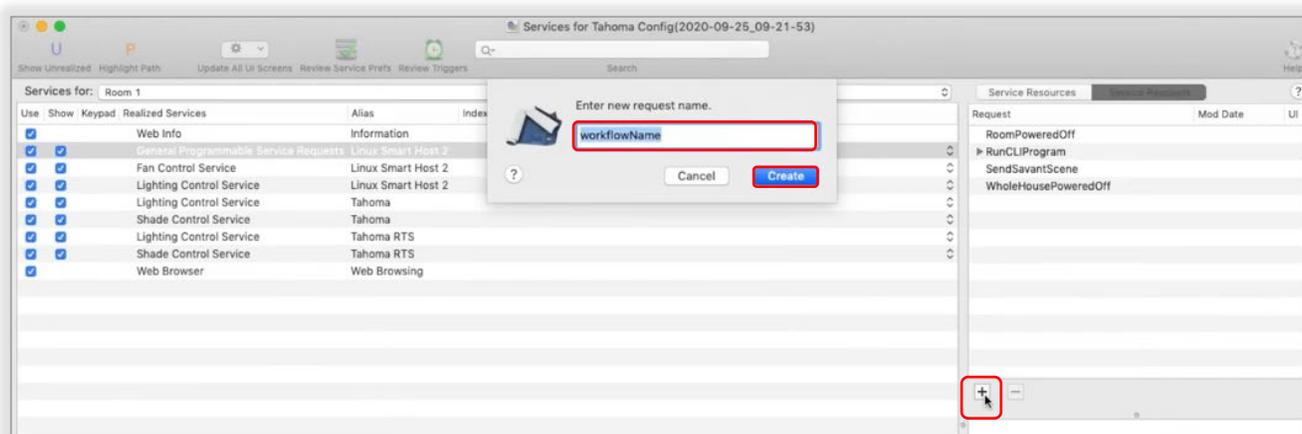*The "My position" function needs to be programmed under "services." To trigger the "My position," the motors must be programmed with an intermediate position first. A custom button needs to be created to trigger the workflow in the User Interface.*
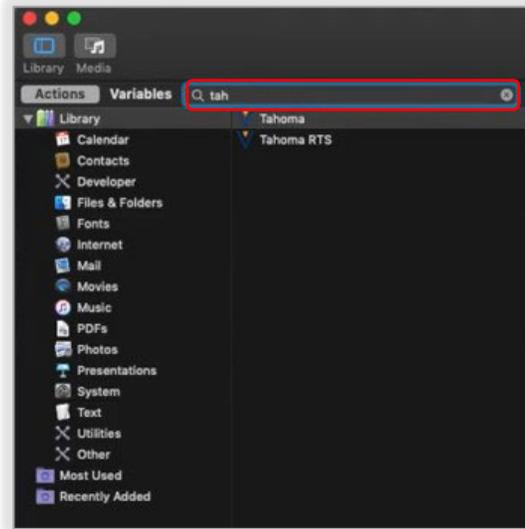
1) SELECT "View Services" from the Toolbar

2) SELECT the "+" to add a workflow
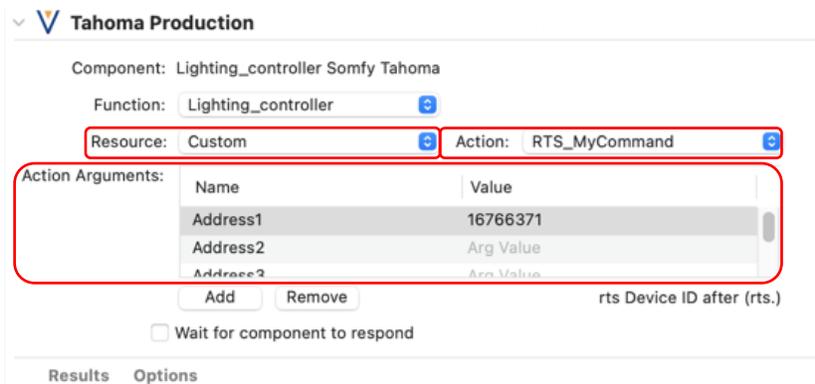
3) NAME the workflow "My Position"

4) SELECT "Create"

5) OPEN the "My Position" workflow

6) SEARCH for "TaHoma"

7) DRAG-AND-DROP the TaHoma device. If there is more than one TaHoma, SELECT the device being programmed.

8) SELECT "Custom" from the Resource drop down menu

9) SELECT "RTS_MyCommand" from the Action drop down menu

10) ENTER the RTS motor address in the Value field
*Reference the Integration Report for motor addresses*

11) CLOSE the "My Position" workflow window

12) CHECK the UI box next to the "My Position" workflow to map the workflow to a custom button

13) SELECT "Generate Services"

14) SELECT "Done"

15) SELECT "Upload to Master"

16) SELECT "Save and Upload"

APPENDIX
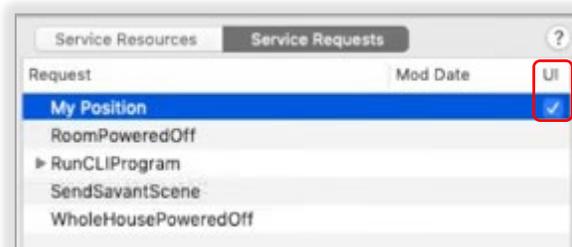
1) Open the TaHoma North America App
2) SELECT the "Menu" icon in the bottom bar
3) SELECT "Third-Party Integration"
4) SELECT "SAVANT" to view the Integration Report
5) SELECT "Continue" at the Warning
6) SELECT "Enable/Refresh Integrations"
7) SELECT "OK"
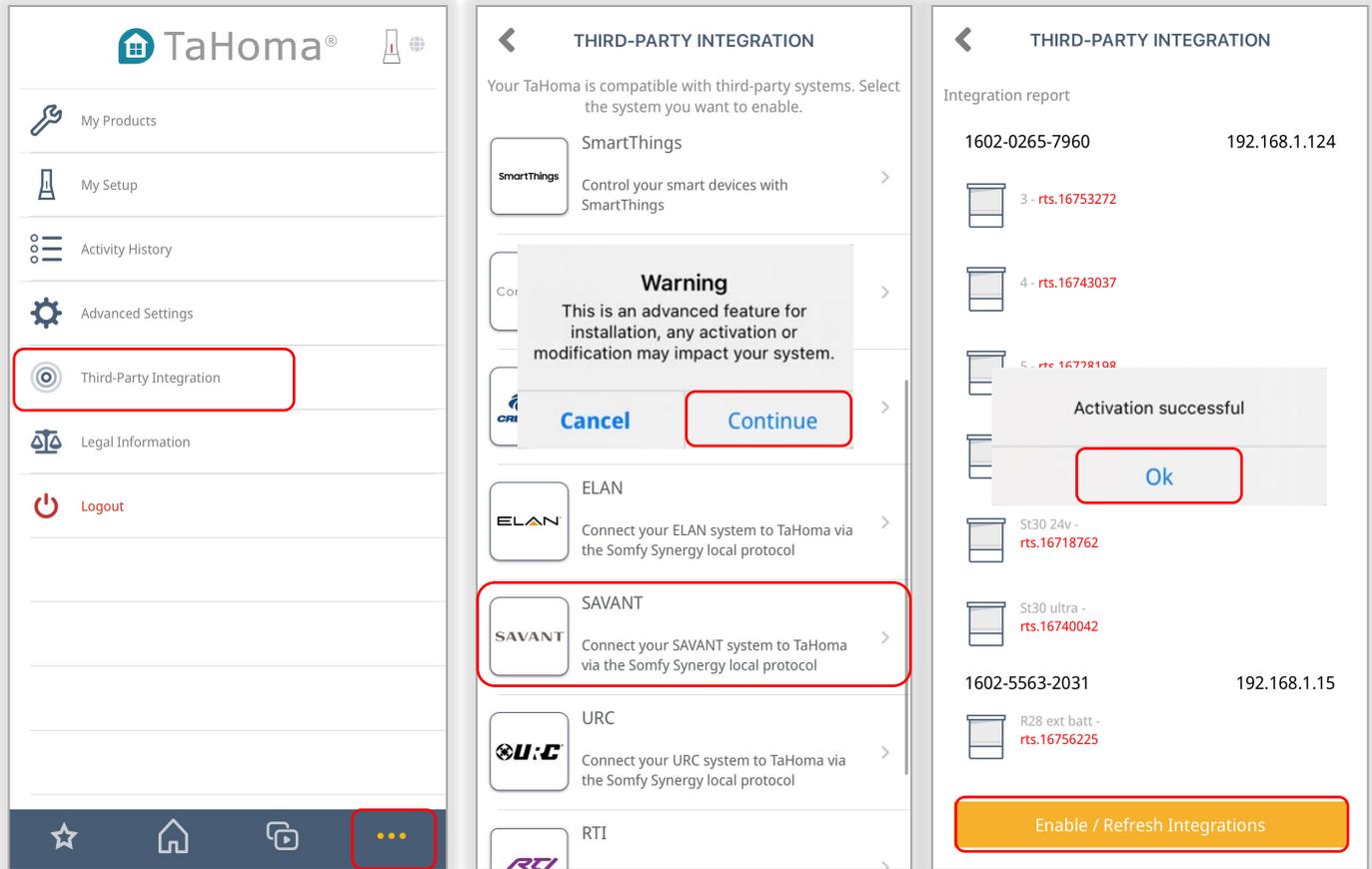
[APPENDIX B] AVAILABLE COMMANDS & ACTIONS

TAHOMA RTS BLIND	
UP	Moves blind to the fully open position
Down	Moves blind to the fully closed position
Tilt Up	Tilts blind up
Tilt Down	Tilts blind down
Stop	Stops blind when moving
My Position	Moves the blind to a programmed intermediate position

ABOUT SOMFY

SOMFY® has been improving everyday life for more than 270 million people by designing and manufacturing intelligent motorization solutions for interior window coverings and exterior solar protections. Somfy innovates to automate and connect shades, blinds, draperies, awnings, rolling shutters, exterior screens & pergolas for commercial and residential buildings in 58 countries across the globe. With 170+ million motors produced over the last half century, Somfy is committed to creating reliable and sustainable solutions that promote the best way of living and well-being for all.

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