INTEGRATION GUIDE

JOSH.AI INTEGRATION for TAHOMA® SWITCH



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A. AVAILABLE COMMANDS & ACTIONS

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 homeowners, installers, and dealers 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 Josh.ai 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 these 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

The TaHoma app is compatible with the following operating systems and software versions:

iOS Version: 15.0 or later

Android Version: 8.0 and up

connects with Somfy

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

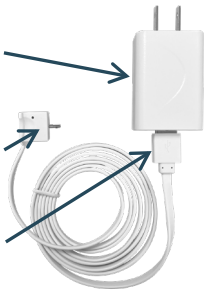
LED BEHAVIOR:
GREEN
ETHERNET CONNECTION
AMBER
DATA TRANSFER

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

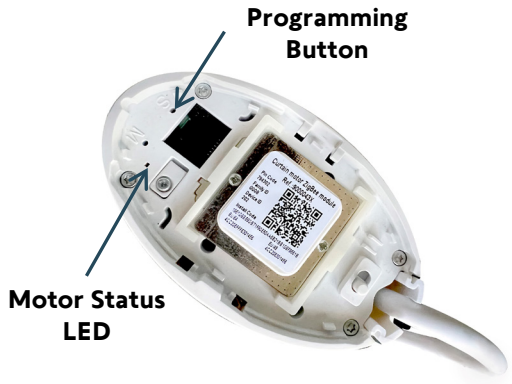
Programming Button
To pair and reset products



BUTTONS & INDICATORS

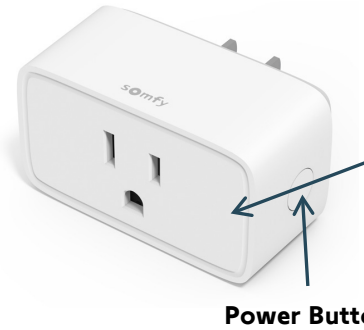
WAKING THE MOTOR:
Ensure the motor has required power available.
Using a small paper clip or similar, BRIEFLY PRESS the Programming Button on the head of the motor
OR
PLUG IN the battery supply/charger.
The motor will jog (briefly move up and down), and the LED will illuminate GREEN for 2 seconds.
The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

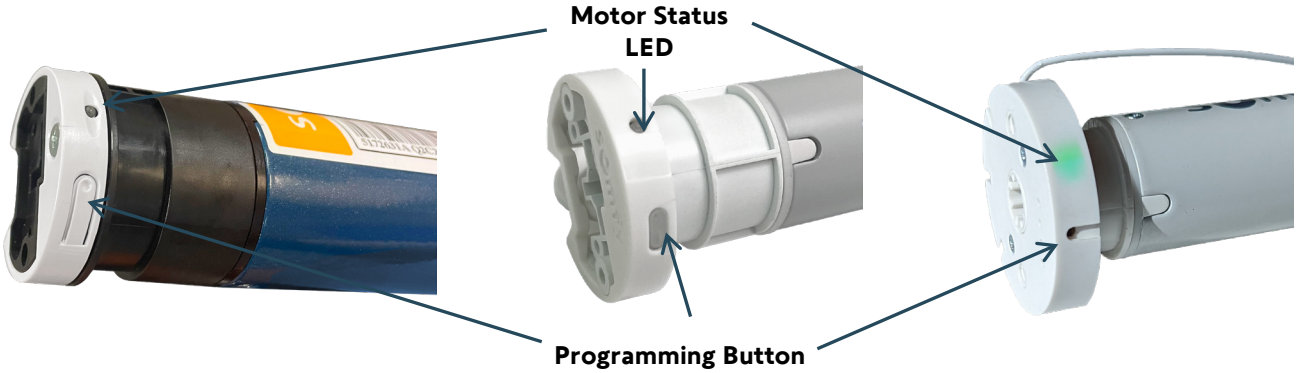
RED
SOLID 3s– NOT CONNECTED
POWERED – OUTPUT OFF

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:

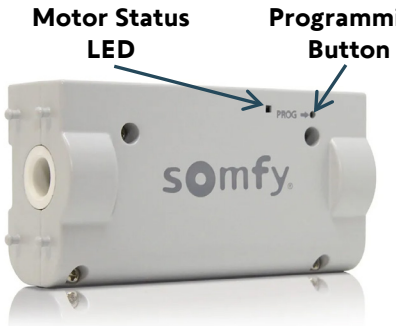
AMBER
MOTOR IS NOT SET
IN SETTING MODE
IN ADJUSTMENT MODE

GREEN
MOTOR IS CHARGING
CONFIRMED SETTING

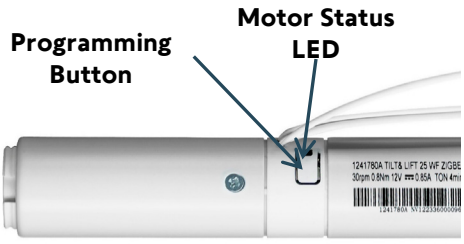
RED
LOW BATTERY CHARGE
THERMAL PROTECTION
IMPOSSIBLE SETTING

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 Shade Commissioning Agent that the TaHoma switch firmware is up to date

JOSH.AI SYSTEM

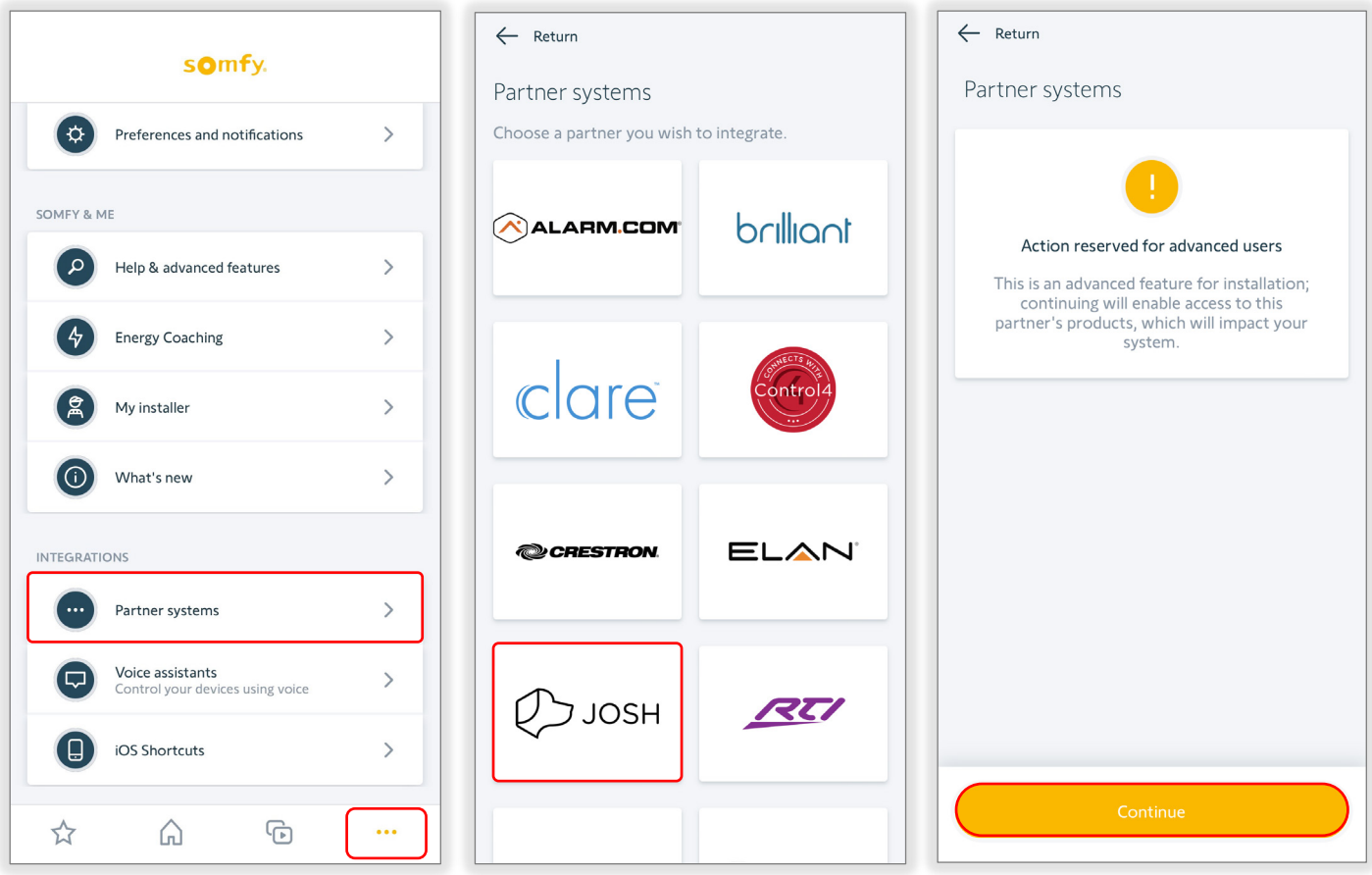
A fully operational Josh.ai system is required prior to TaHoma integration.

- Confirm the Josh.ai products are powered on and connected to the same network as TaHoma
- Must have Credentials to the Josh Portal

V. SET UP

ENABLE THIRD-PARTY INTEGRATION

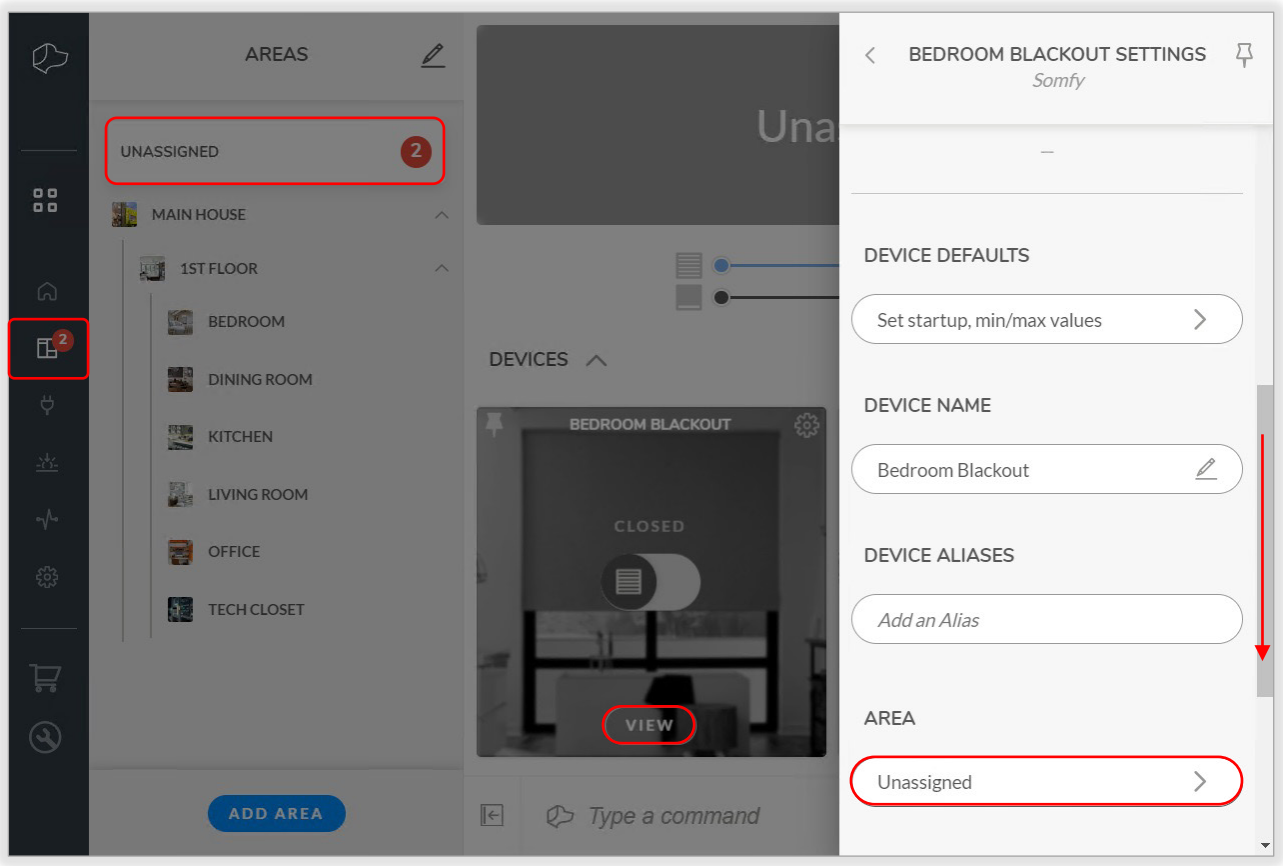
1) OPEN the TaHoma by Somfy app
2) SELECT the "Menu" icon in the bottom bar
3) SELECT "Partner systems"
4) SELECT "JOSH"
5) SELECT "Continue"
   The Integration Report will display all connected products.



ADD DEVICES TO AREAS

Once Josh authorizes the connection with TaHoma, all programmed devices will be discovered automatically. If the TaHoma products are named appropriately, Josh recognizes the product names and will assign the devices to a corresponding area already created in Josh. Follow the instructions below to assign devices to an area.

1) LOG IN to the Josh Portal
2) SELECT "AREAS"
3) SELECT "UNASSIGNED"
4) SELECT "VIEW" or the Gear icon on the device
5) SCROLL DOWN to "AREA"
6) SELECT "Unassigned"



7) SELECT the area for the device to be added
Example: Bedroom

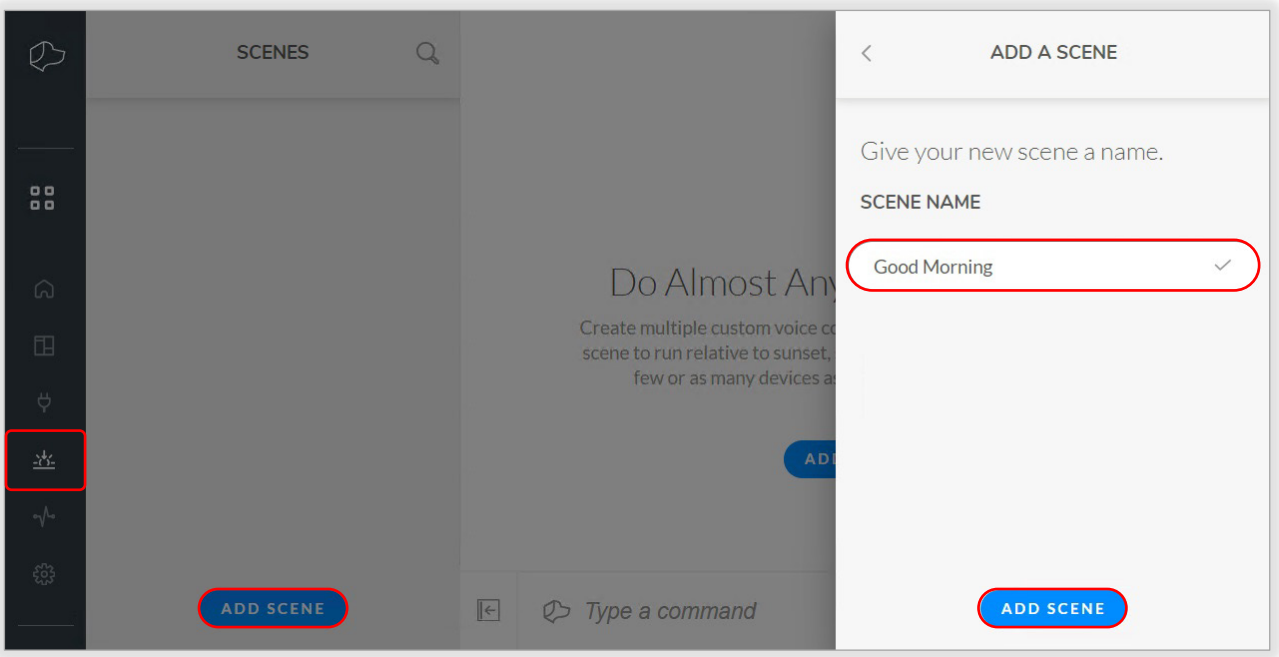
The unassigned device will move into the selected area. Repeat the above steps to add remaining unassigned devices to specific areas. If an area is not listed, SELECT "ADD AREA" to create additional areas.

Devices are now assigned to the area.

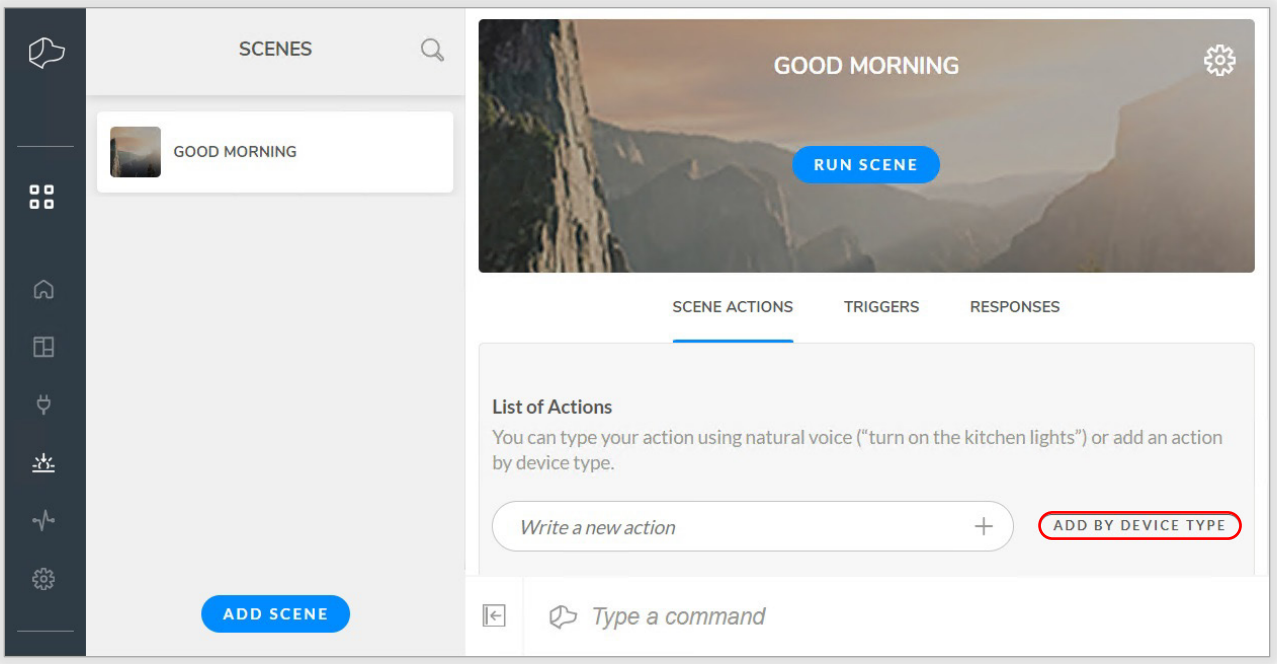
ADD SCENES

TaHoma scenes and groups will not be discovered automatically by Josh. Follow the instructions below to create scenes.

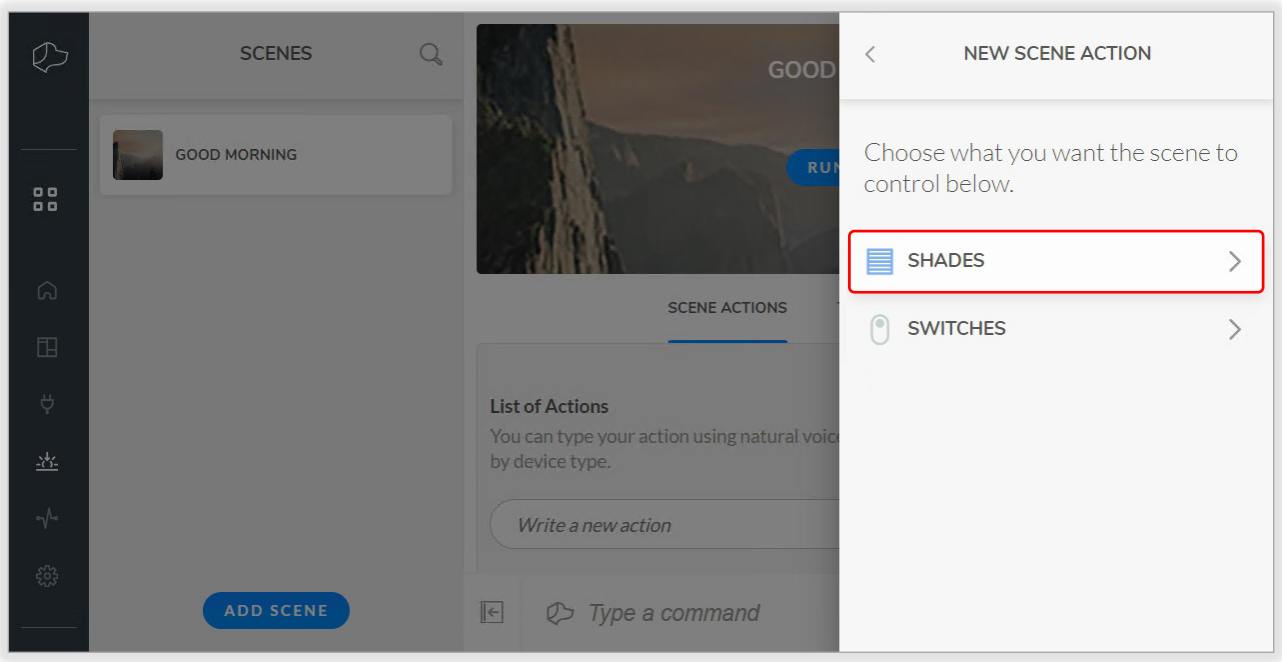
1) SELECT "SCENES"
2) SELECT "ADD SCENE"
3) ENTER a Scene Name
   Example: Good Morning
4) SELECT "ADD SCENE"



5) SELECT "ADD BY DEVICE TYPE"

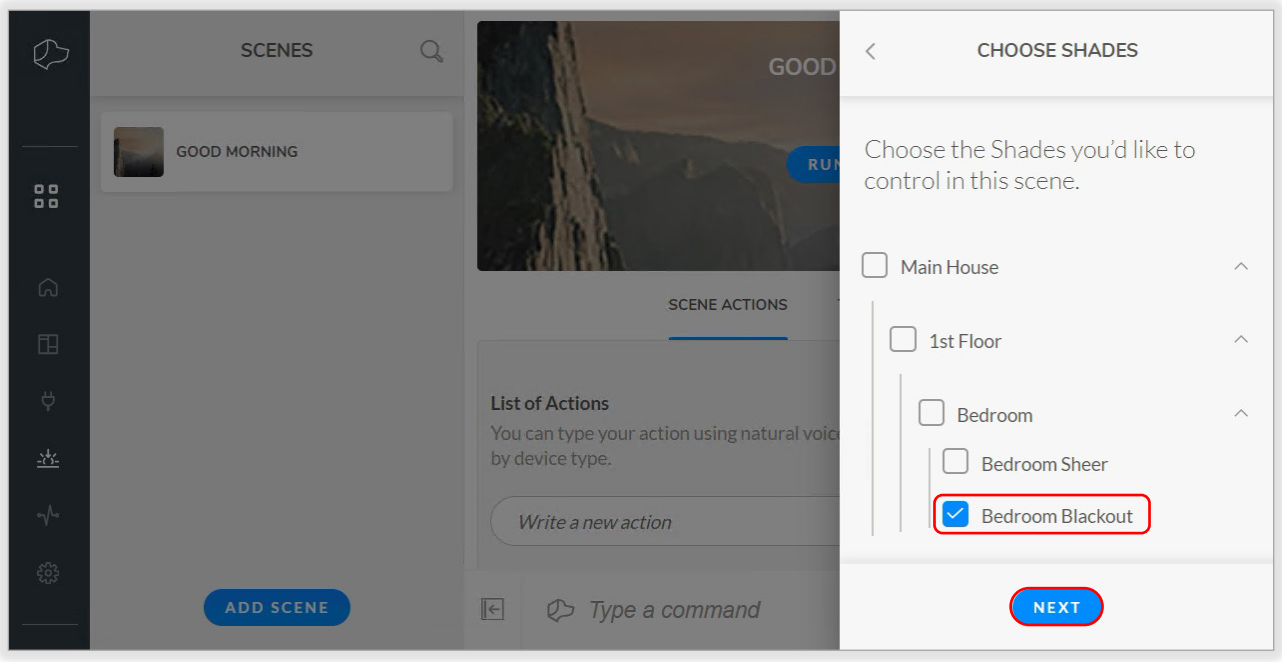


6) SELECT the type of device to control in the scene
Example: SHADES



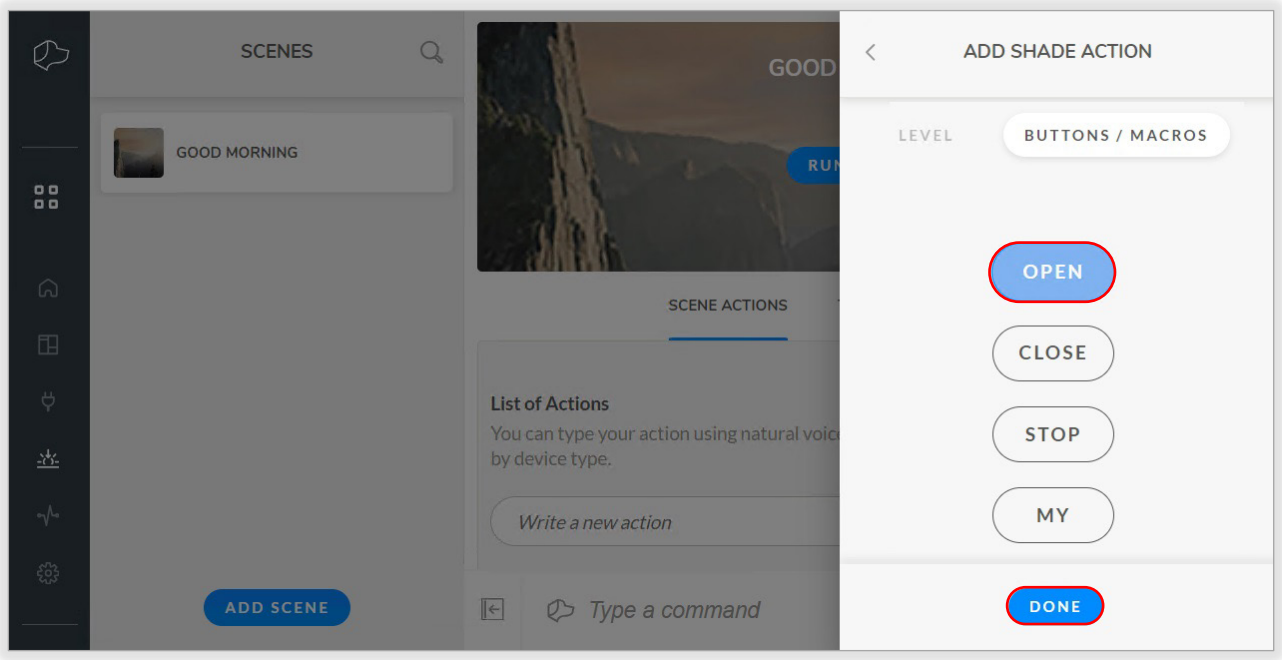
7) SELECT the device(s)
Example: Bedroom Blackout

8) SELECT "NEXT"



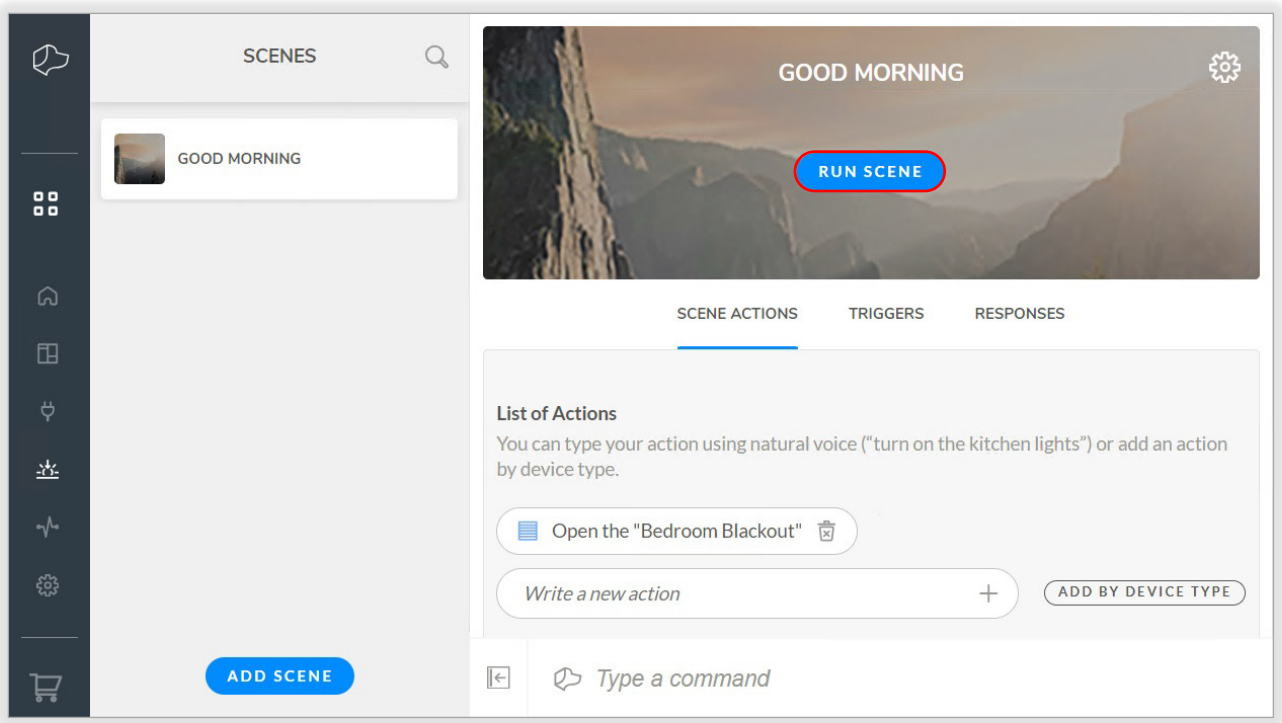
9) SELECT a Level (%) or Button action for the device to perform
Example: OPEN

10) SELECT "DONE"



11) SELECT "RUN SCENE" to test operation

Refer to Appendix A for a list of Somfy TaHoma specific commands and actions.



The scene is now added.

APPENDIX

[APPENDIX A] AVAILABLE COMMANDS & ACTIONS

Devices can be activated by voice and press commands from the Josh portal or app.

JOSH APP / PORTAL COMMANDS (TAHOMA ZIGBEE PRODUCTS)	
Press	Press the device icon to OPEN, CLOSE, STOP or send Zigbee motors to the "my" position (two-way feedback)
Percent Slider	Moves blind motor to a percent openness (0-100%)
VOICE COMMANDS	
Open/Raise/Up Close/Lower/Down Stop/Send by specific value	"Hey Josh, open the <device name or alias> halfway" "Hey Josh, raise the <device name or alias> by 50%" "Hey Josh, close the <device name or alias> by 20%" "Hey Josh, send the <device name or alias> up"
Open/Raise/Up Close/Lower/Down Stop/Set/Send to a specific value	"Hey Josh, open the <device name or alias> to 30%" "Hey Josh, lower the <device name or alias> to 20%" "Hey Josh, set the <device name or alias> to 60%" "Hey Josh, send the <device name or alias> down"

JOSH APP / PORTAL COMMANDS (TAHOMA SMART PLUG)	
Press	Press the device icon to turn ON or OFF
VOICE COMMANDS	
On	"Hey Josh, turn on <device name or alias>"
Off	"Hey Josh, turn off <device name or alias>"

JOSH APP / PORTAL COMMANDS (TAHOMA RTS PRODUCTS)	
Press	Press the device icon to OPEN, CLOSE, STOP or send RTS motors to the "my" position (no feedback)
VOICE COMMANDS	
Open/Raise Stop/Send Up	"Hey Josh, open <device name or alias>" "Hey Josh, raise <device name or alias>" "Hey Josh, send <device name or alias> up"
Close/Lower Stop/Send Down	"Hey Josh, close <device name or alias>" "Hey Josh, lower <device name or alias>" "Hey Josh, send <device name or alias> down"

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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