

ELAN[®]

INTEGRATION for
TAHOMA[®] ZIGBEE & RTS



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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 ELAN® Integrators for achieving complete automation of Zigbee® and Radio Technology Somfy® (RTS) motors with the TaHoma® Smartphone and Tablet Interface.

What does this Guide contain?

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

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 Zigbee and RTS with a wide range of interior and exterior applications.

- The TaHoma system supports up to 50 Zigbee devices and 40 RTS channels
- Install up to 10 TaHoma Interfaces as zone controllers to increase the RTS range (RTS only)
 - The TaHoma system 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

Sign up for Somfy U to access training on demand www.somfyu.com

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



[Google Play Store](#)



[iOS App Store](#)

SYSTEM REQUIREMENTS

PC running Windows 10 or higher

ELAN Management Cloud v1.3.0 or higher

ELAN Core Module 8.3.11 or higher



III. INSTALLATION

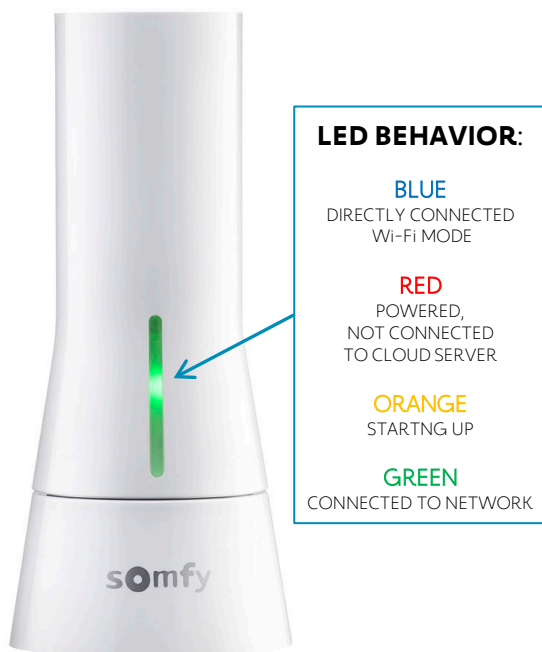
CONNECTIONS & INDICATORS

TaHoma® RTS/Zigbee Smartphone and Tablet Interface #1811731 (With base stand included with TaHoma Interface)

REAR

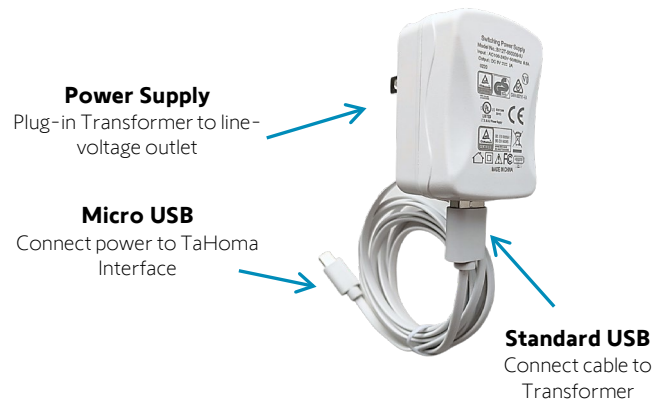


FRONT



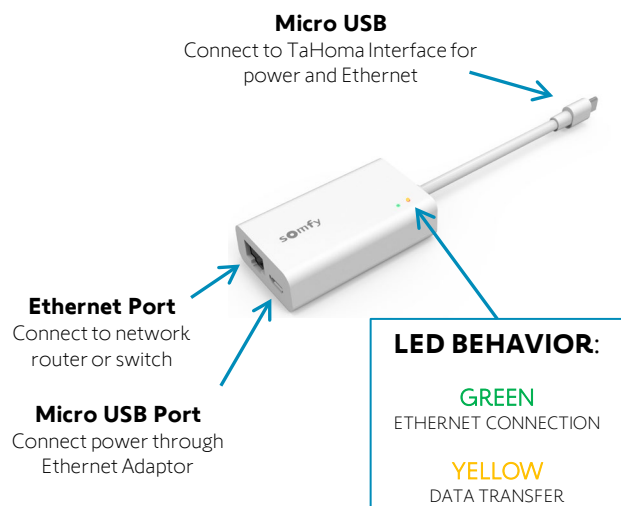
PLUG-IN POWER SUPPLY REQUIRED (Included with TaHoma Interface)

Connect to line-voltage to power TaHoma Interface



TaHoma® Ethernet Adaptor #1870470 (Sold Separately)

Connect for a wired local area network connection



IV. SYSTEM PREPARATION

SOMFY SYSTEM

A fully operational TaHoma system is required prior to ELAN programming. The TaHoma system supports up to 50 Zigbee devices and 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 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
 - Ensure that a DHCP Reservation via MAC Address of the TaHoma Interface is being used
 - Third-Party Integration must first be enabled in the TaHoma App ([see Appendix A](#))

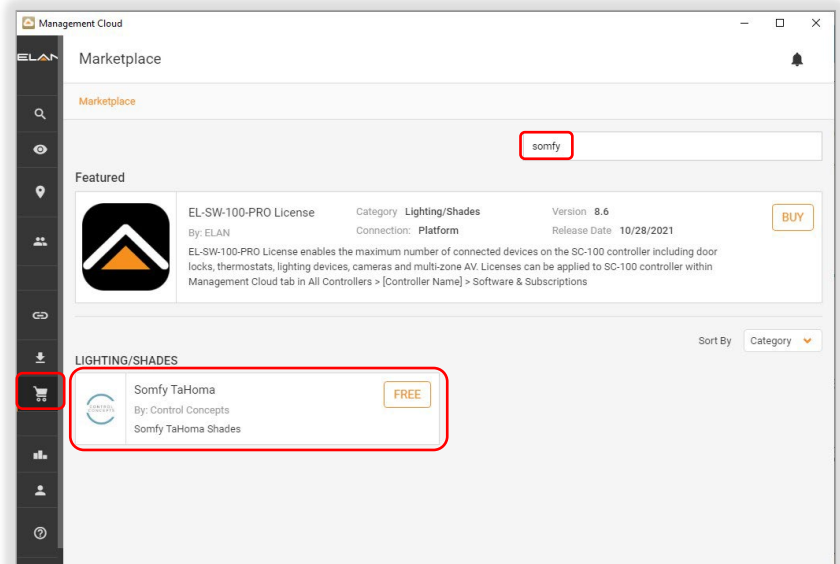
ELAN SYSTEM

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

V. SET UP

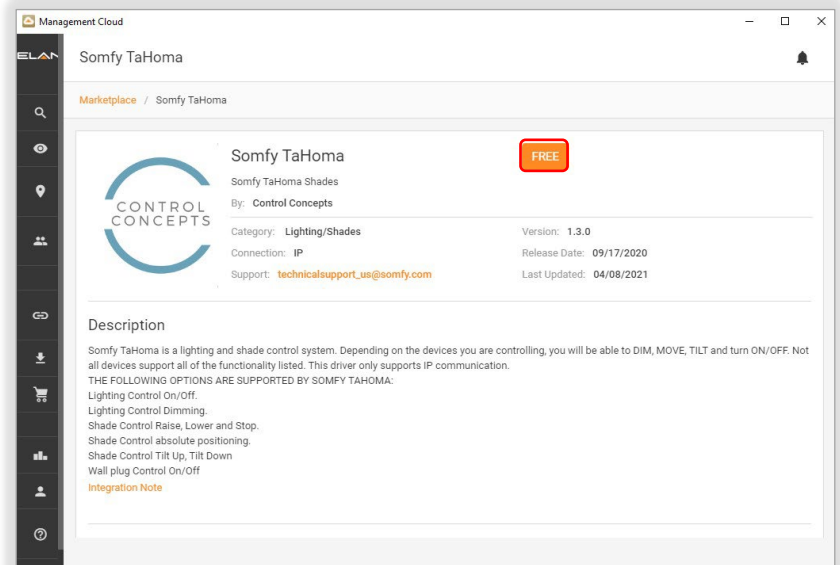
DOWNLOAD DRIVER

- 1) LAUNCH Management Cloud program
- 2) SELECT the Cart icon
- 3) TYPE "Somfy" into the Search field
- 4) SELECT "Somfy TaHoma"
- 5) SELECT "FREE"



- 6) SELECT "FREE"

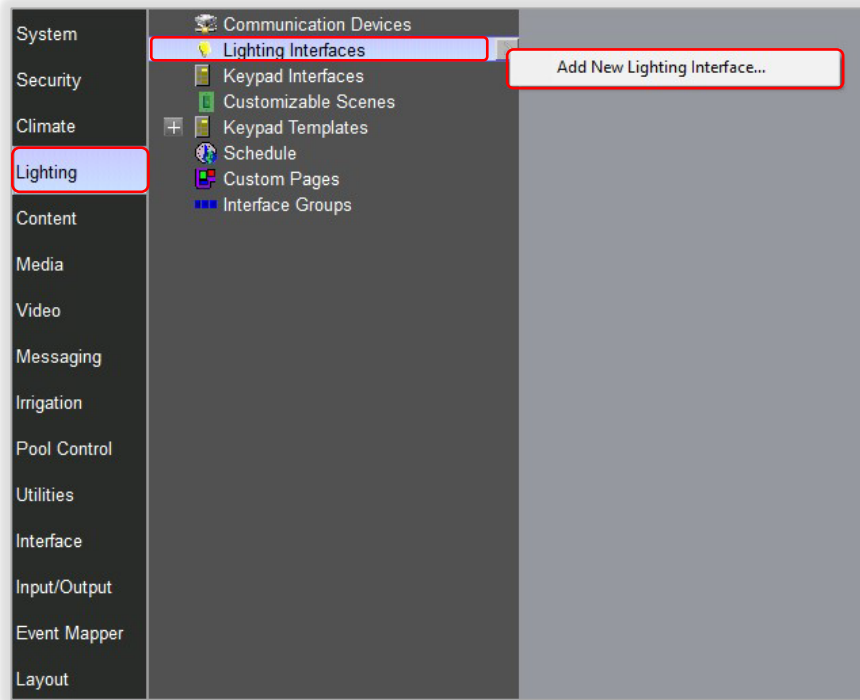
Download will begin using the default web browser



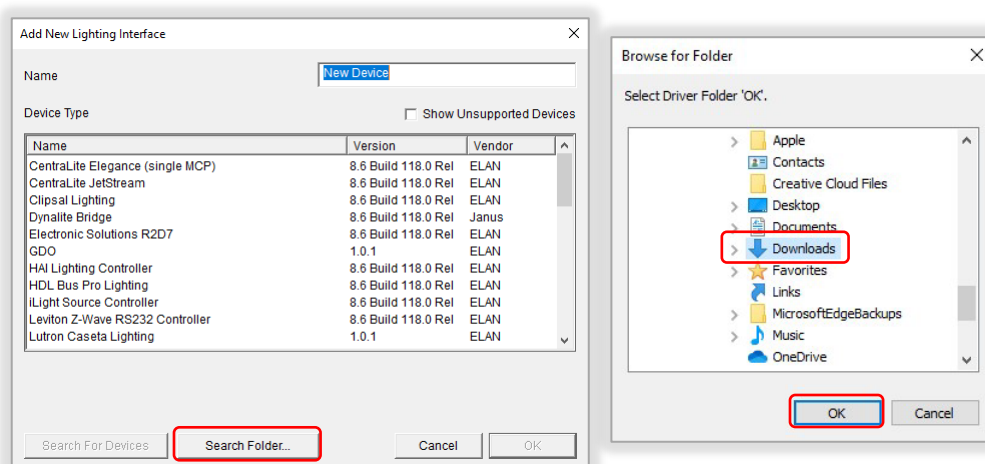
IMPORT TAHOMA DRIVER

Import the latest TaHoma driver from the ELAN Marketplace. This step is required to be performed only once.

- 1) LAUNCH ELAN Configurator
- 2) SELECT "Lighting" from the side menu bar
- 3) SELECT the arrow next to "Lighting Interface," or RIGHT-CLICK "Lighting Interface"
- 4) SELECT "Add New Lighting Interface"



- 4) SELECT "Search Folder"
- 5) SELECT the location of the driver
- 6) SELECT "OK"

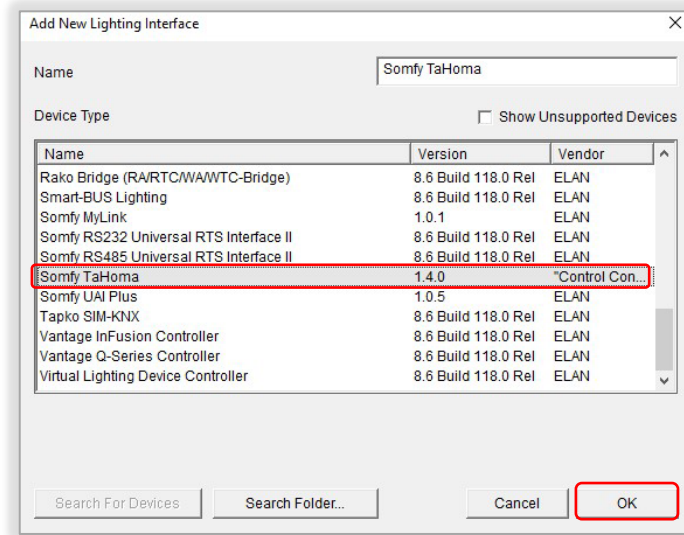


The TaHoma driver is now imported.

ADD INTERFACE DRIVER

*A fully operational TaHoma system is required prior to ELAN programming.
For multiple TaHoma installations, repeat steps below for each additional TaHoma Interface.*

- 1) TYPE "Somfy TaHoma" in the Name field or SCROLL down and SELECT "Somfy TaHoma" from Device Type list
- 2) SELECT "OK"



NETWORK SET UP

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. Shades will auto-populate when communication is established.

- 1) LAUNCH ELAN Configurator
- 2) SELECT "Lighting" from the side menu bar
- 3) SELECT the "+" box next to "Lighting Interfaces"
- 4) SELECT the "+" box next to "Somfy TaHoma" to see all devices
- 5) SELECT "Somfy TaHoma"
- 6) TYPE "Somfy TaHoma" in the Name field
- 7) ENTER the IP Address of the TaHoma in the IP Address field
- 8) SELECT "Apply"
- 9) On the TaHoma App Third-Party Integration section ([see Appendix A](#)), SELECT "Enable/Refresh Integrations"
- 10) In the ELAN Configurator, SELECT "Update Driver"

The Status section will change to **GREEN** when communication is successfully established.

The screenshot displays the ELAN Configurator interface. On the left, a vertical sidebar contains various system categories, with 'Lighting' highlighted. The main panel is divided into two sections. The left section, titled 'Communication Devices', shows a tree view with 'Lighting Interfaces' expanded, revealing a list of devices including 'Somfy TaHoma'. The right section, titled 'Lighting Interface : Somfy TaHoma', contains configuration fields. A red box highlights the 'Name' field, which contains 'Somfy TaHoma'. Another red box highlights the 'Status' field, which shows a green square and the text 'Ok'. A third red box highlights the 'IP Address' field, which contains '192 . 168 . 1 . 124'. At the bottom of the interface, there are two buttons: 'Apply' and 'Update Driver', both highlighted with red boxes. A callout box with an arrow points to the 'Status' field, containing the text: 'The Status section will change to **GREEN** when communication is successfully established.'

Field	Value
Name	Somfy TaHoma
System #	1912
Status Color Coding	Enabled
Status	Ok
Driver Version	1.5.0
Driver Vendor	"Control Concepts, Inc."
Installed	1/8/2022 18:24
Device Type	Somfy TaHoma
Device Classification	Lights
IP Address	192 . 168 . 1 . 124
Port	44100

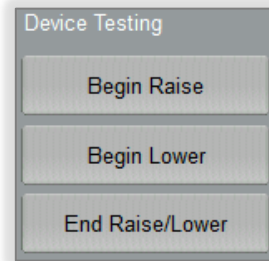
Buttons: Apply, Update Driver

DEVICE TEST

[See Appendix B](#) of this guide for a list of Somfy TaHoma specific commands and actions. RTS motors do not report positional feedback. RTS motors are capable of one programmable "my" or favorite position that requires an End Raise/Lower command when the motor is at rest.

Test RTS Motors

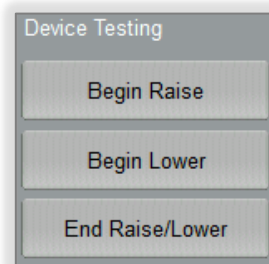
- 1) SELECT an RTS Device [SHADE]
- 2) SELECT any of the three commands under Device Testing



Test Zigbee Motor [SHADE] Profile

Note: Zigbee devices will appear as a shade for Raise and Lower commands.

- 1) SELECT a Zigbee [SHADE]
- 2) SELECT any of the three commands under Device Testing

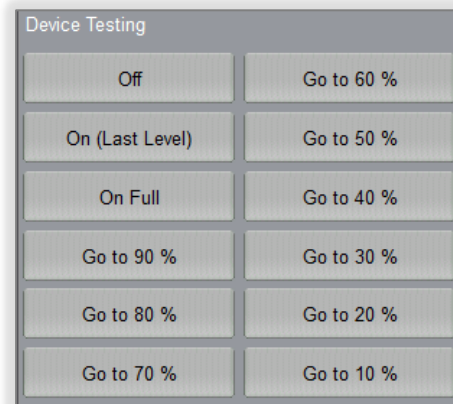


[SHADE] profile for Zigbee

Test Zigbee Motor [DIMMER] Profile

Note: Zigbee devices will appear as a dimmer for percentage commands.

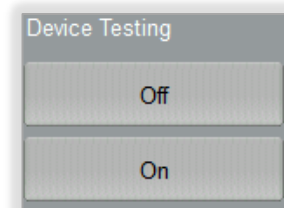
- 1) SELECT a Zigbee [DIMMER]
- 2) SELECT any of the percentage commands under Device Testing



[DIMMER] profile for Zigbee

Test Smart Plug

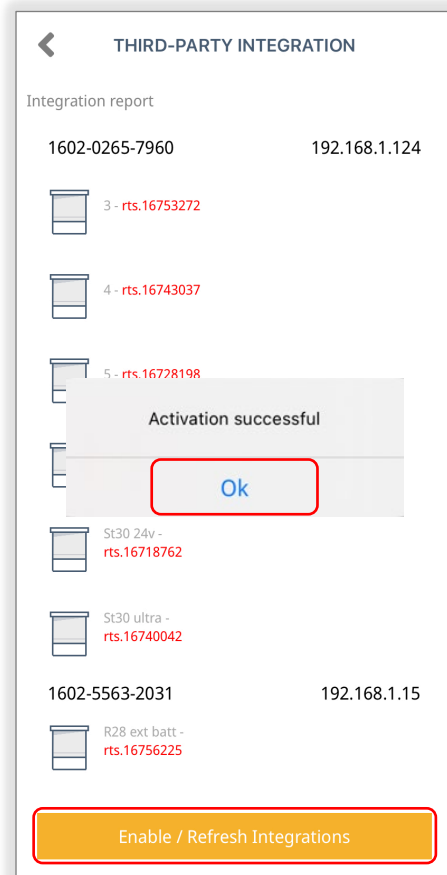
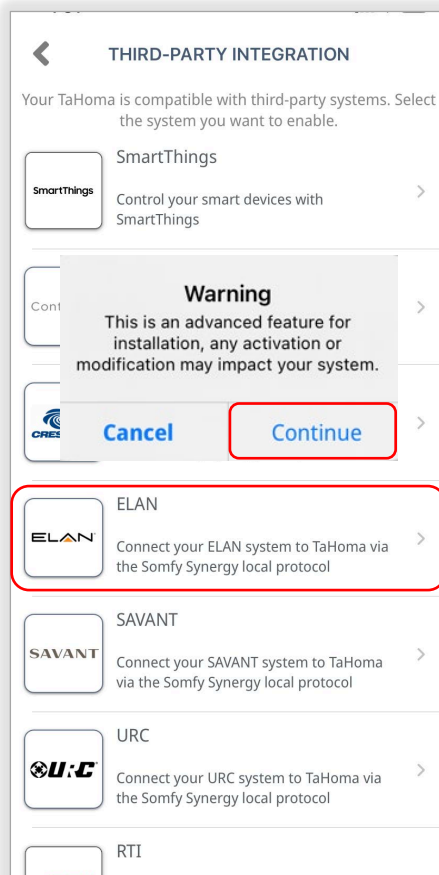
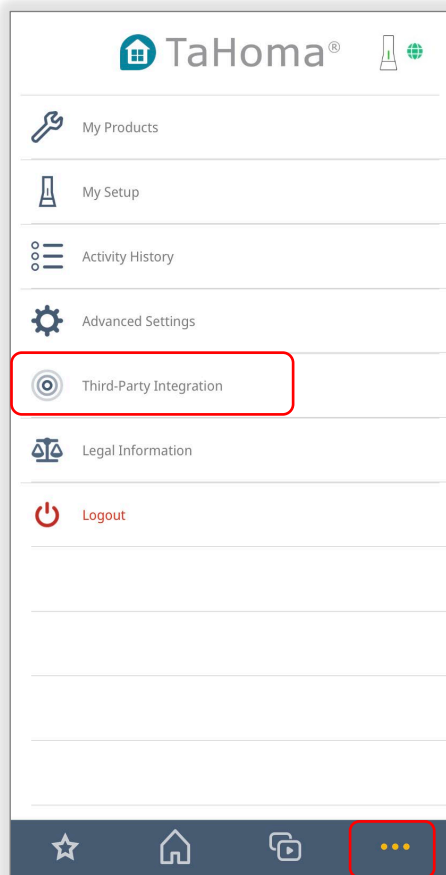
- 1) SELECT a Smart Plug [SWITCH]
- 2) SELECT any of the two commands under Device Testing



APPENDIX

[APPENDIX A] ENABLE THIRD-PARTY INTEGRATION

- 1) OPEN the TaHoma North America App
- 2) SELECT the "Menu" icon in the bottom bar
- 3) SELECT "Third-Party Integration"
- 4) SELECT "ELAN" 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 ZIGBEE [SHADE] COMMANDS	
Begin Lower	Moves blind to the fully closed position
Begin Raise	Moves blind to the fully open position
End Raise/Lower	Stops blind when moving



TAHOMA ZIGBEE [DIMMER] COMMANDS	
Off	Moves blind to the fully closed position
On Full	Moves blind to the fully open position
On (last level)	Last ON position
Go to %	Percentage positions between 90% & 10%



TAHOMA SMART PLUG [SWITCH] COMMANDS	
On	Turns power on to lighting or small appliance
Off	Turns power off to lighting or small appliance



TAHOMA RTS [SHADE] COMMANDS	
Begin Lower	Moves blind to the fully closed position
Begin Raise	Moves blind to the fully open position
End Raise/Lower	Stops blind movement or moves blind to the programmed "my" position if the blind is at rest

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.

FOR QUESTIONS OR ASSISTANCE PLEASE CONTACT TECHNICAL SUPPORT:

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