# INTEGRATION GUIDE



# Control INTEGRATION FOR TAHOMA® RTS



# **INTEGRATION GUIDE** CONTROL4 INTEGRATION FOR TAHOMA® RTS

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# **TABLE OF CONTENTS**

Ι.	OVERVIEW3
	INTRODUCTION
	RESOURCES & APPLICATIONS
11.	SETUP4
	SYSTEM REQUIREMENTS
	CONNECTIONS & INDICATORS
	SYSTEM CONFIGURATION
	ADD TAHOMA INTERFACE DEVICE TO PROJECT
	REQUEST AUTHORIZATION TOKEN
	ADD TAHOMA BLIND DEVICE TO PROJECT
APP	ENDIX9

A. AVAILABLE COMMANDS & ACTIONS

# I. OVERVIEW

# INTRODUCTION

The Somfy Organization strength has been demonstrated with 50 years of experience in motorization. Leading the shading industry with innovation and modernization solutions for homes and commercial buildings. Offering 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 Control4 System Integrators, achieving complete automation of Radio Technology Somfy<sup>®</sup> (RTS) motors and the Somfy TaHoma<sup>®</sup> 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 common methods of integration with Control4. For advanced technical support contact: Somfy Technical Support at 1-800-227-6639 technicalsupport\_us@somfy.com

# How to use this Guide?

This guide is designed as a reference manual. Use the table of contents, then follow along in the instruction.

# **RESOURCES & APPLICATIONS**

Visit <u>www.somfypro.com</u> for the following guides:

• Somfy TaHoma Smartphone and Tablet Interface Programming Guide

<u>Somfy RTS Pocket Programming Guide</u>

Subscribe to the Somfy YouTube Channel <a href="http://www.youtube.com/somfysystems">www.youtube.com/somfysystems</a>

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









iOS App Store

# II. SETUP

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<sup>®</sup> Interface supports up to 40 RTS channels
- Install up to 10 interfaces as zone controllers to increase the RTS range
- The TaHoma® 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.

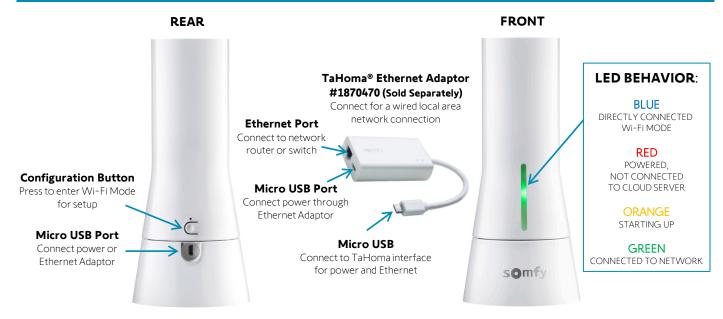
Details of this controller and commissioning instruction is available in the Somfy TaHoma Smartphone and Tablet Interface Programming Guide.

# SYSTEM REQUIREMENTS

PC running Windows 10 or higher Control4® Composer Software 2.6 or newer Control4® Somfy TaHoma Interface Driver Control4® Somfy TaHoma Blind Driver



## CONNECTIONS & INDICATORS



# SYSTEM CONFIGURATION

A fully operational TaHoma system is required prior to Control4 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 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
  - An Authorization Token is required for Third-Party Integration and must first be enabled in the TaHoma App
    - SDDP is supported

# ADD TAHOMA INTERFACE DEVICE TO PROJECT

A fully operational TaHoma system is required prior to Control4 programming. An Authorization Token is required for Third-Party Integration and must first be enabled in the TaHoma App. Reference the Integration Report for the TaHoma Interface IP address. Ensure using a MAC-based address reservation. A Somfy TaHoma Interface driver is required for each TaHoma Interface installed.

There are two methods to add the TaHoma Interface device to a Project:

A. via SDDP Discovery or

#### B. via searching the Composer Driver Database

#### METHOD A – Add the TaHoma Interface Device via SDDP Discovery:

Reference the Somfy TaHoma driver set details located in the device Documentation tab.

- 1) In the Composer System Design view, Project tree, select a Room in which a device is to be added
- 2) Go to the Items pane, select the Discovered tab
- 3) Locate the TaHoma device, double or right click to Add to Project, automatically connecting the IP address
- 4) Rename the device to the associated location or room
- 5) Go to the device Properties tab
- 6) Verify the device Driver Information status displays "Communicating with the Somfy TaHoma normally since..."
- 7) Ensure the Authorization Token property displays \*\* SECURED \*\*

If the Authorization Token property is blank or displays "Use the App to re-enable a new Token", refer to Requesting Authorization Token of this Guide. Third-Party Integration must be enabled in the TaHoma App.

System Design	Properties	Pro	perties Summary List View	Items			
ystem	Properties			Locations	Discovered	My Drivers	Search
~ ~ ~ • • •	Properties Actions Documentation	n Lua		Туре	Manufacturer	Model	
	Driver Version			Blinds Blinds	Somfy	TaHoma	Beecon
È- Main È-☺ Room	Driver Information	Communicating with the Somfy TaHoma normally since		Manufacturer: Somfy Model: TaHoma Beecon IP Address: 192.168.0.34			
B EA-5 -∰ Digital Media -∰ Add Music	Debug Mode	Off	~	Address: somfy:TaHomaE	somfy:TaHomaB	eecon-gateway-1602-02	
- Tuneln - O My Music - Mi Movies	Debug Duration in Minute		<b>•</b>				
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	Authorization Token	** SECURED **					
System Design							
S Connections							
> Media							
C≯ Agents							
Programming				Auto add ide	entified devices		Info

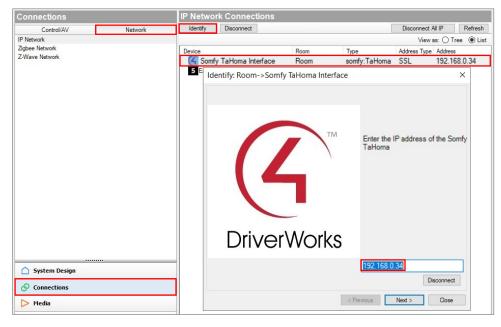
#### METHOD B – Add the TaHoma Interface Device via searching the Composer Driver Database:

Reference the Somfy TaHoma driver set details located in the device Documentation tab.

- 1) In the Composer System Design view, Project tree, select a Room in which a device is to be added
- 2) Go to the Items pane, select the Search tab
- 3) In the Manufacturer dropdown list, select Somfy
- 4) Locate the Somfy TaHoma Interface driver, double or right click the driver to Add to Project
- 5) Rename the device to the associated location or room

System Design	Properties		Properties	Summary	List View	Items			
System	Properties					Locations	Discovered	My Drivers	Search
~ ^ v Ø 9	Properties Actions Documentation	n Lua							~
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ia-₩ Main ia-♥ Room	Driver Information	Follow the steps in the Documentation tab				- All Categories	-		~
# 5 EA-5	Debug Mode	Off				Type:			
- 20 Digital Media 	Debug Mode		Ť			- All Types			~
	Debug Duration in Minute	15	-			Manufacturer: Somfy			Y
My Music     My Movies     Stations	TaHoma Available via IP	*** No ***				Control Method	i: All Methods	V Sort: Rele	vance ~
G Somfy TaHoma Interface	Authorization Token					Somfy T Somfy	TaHoma BI 12/17/2020		Online 🗸
System Design						Somfy T	TaHoma In 12/17/2020		Online 🗸
D Media									
🔅 Agents									
Programming									

- 6) Navigate to the Connections view, Network tab
- 7) In the IP Network Connections pane, select the Somfy TaHoma Interface in the Device list
- 8) Double-click the Somfy TaHoma Interface device or click Identify
- 9) Enter the IP address of the Somfy TaHoma Interface, then click Close



- 10) Return to the System Design view, device Properties tab
- 11) Verify the device Driver Information status displays "Communicating with the Somfy TaHoma normally since..."
- 12) Ensure the Authorization Token property displays \*\* SECURED \*\*

NOTE: If the Authorization Token property is blank or displays "Use the App to re-enable a new Token", refer to Requesting Authorization Token of this guide. Third-Party Integration must be enabled in the TaHoma App.

# **REQUEST AUTHORIZATION TOKEN**

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

- 1) Confirm Third-Party Integration for Control4 is enabled in the TaHoma App
  - In the TaHoma App, go to Settings, Third-Party Integrations, Control4, Enable / Refresh integrations
- 2) In the Composer System Design view, device Actions tab, click Request New Authorization Token
- 3) The Action Parameter List window will display "Enable this from App first", click OK

System Design	Properties	Properties Summary List View
System	Properties Properties Cctions Documentation Lua  Print Status Report Print Debug Log CCAREFUL CAREFUL Request New Autorization Token Rebuild Device Table OK Cancel	

- 4) Return to the System Design view, device Properties tab
- 5) Ensure the Authorization Token property displays \*\* SECURED \*\*

System Design	Properties		Properties	Summary	List View
System	Properties				
~ ^ <b>v</b> 0 9	Properties Actions Document	atation Lua			
	Driver Version				
	Driver Information	Communicating with the Somfy TaHoma normally since			
⊟ 🖲 Room ⊕ <b>5</b> EA-5	Debug Mode	Off	~		
—∰ Digital Media —∰ Add Music	Debug Duration in Minutes	15	×		
- Tuneln - 🞯 My Music	TaHoma Available via IP	Yes			
Wy Movies	Authorization Token	SECURED **			
Channels					
🛆 System Design					
S Connections					
▷ Media					
🗘 Agents					
Programming					

## ADD TAHOMA BLIND DEVICE TO PROJECT

Reference the Somfy TaHoma Driver Set details located in the device Documentation tab.

When adding an RTS blind or blind group, only use the Somfy TaHoma Blind driver. Do not use the generic Control4 Blind Group. A Somfy TaHoma Blind driver is required for each TaHoma Blind installed.

- 1) In the System Design view, Project tree, select a Room in which a device is to be added
- 2) Go to the Items pane, select the Search tab
- 3) In the Manufacturer dropdown list, select Somfy
- 4) Locate the Somfy TaHoma Blind driver, double or right click the driver to Add to Project
- 5) Rename the device to the associated location or name of blind
- 6) Select the appropriate Blind Type for the product in the dropdown
- 7) Select the appropriate Blind Movement for the product in the dropdown
- 8) In the Advanced Properties tab, Available TaHoma, select the TaHoma Interface in the dropdown, then click Set
- 9) In the Available TaHoma Blinds dropdown, select the RTS Blind, then click Set

System Design	Properties	Prope	rties Sum	nmary	List View	items			
System	Properties					Locations	Discovered	My Drivers	Search
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Tuneln	Advanced Properties					Manufacturer Somfy			~
- My Music 	Properties Actions Documenta	tion Lua					od: All Methods	V Sort: Relev	vance ~
Stations	Driver Version								
Somfy TaHoma Interface	Debug Mode	Off	~			Somfy Ta	aHoma Interfa 12/17/2020 7:		Online 🗸
	Debug Duration in Minutes	15	•				aHoma Blind		
	Driver Information	First, select an Available TaHoma				Somfy	12/17/2020 7:	34 AM	Online 🗸
	Available TaHoma	Somfy TaHoma Interface (1177)	Select	Set	Cancel				
	Available TaHoma Blinds	TaHoma 'BLACKOUT' (rts.16750123 - UpDownScreen) - Not assigned	~	Set	Cancel				
	Assigned TaHoma Blind	Tałłoma BEZEROUTH (ne. 16260125 - UpDownScreen) - No roszigned Tałłoma 'KITCHEN' (nt. 16760252 - UpDownScreen) - Not assigned Tałłoma 'LVING ROOM' (nt. 16730763 - UpDownScreen) - Not assigned Tałłoma 'PATIO' (nts. 16770082 - UpDownExteriorScreen) - Not assigned							
System Design		TaHoma 'RTS Group' (rts. 16728553 - UpDownScreen) - Not assigned TaHoma 'SHEER' (rts. 16743083 - UpDownScreen) - Not assigned							
S Connections	Calculated Full Course	N/A This value is calculated automatically when the blind is moved and is av							
D Media		This value is calculated automatically when the blind is moved and is av over time. Use the Action 'Reset Calculated Full Course' as necessary							
C Agents									
Programming									

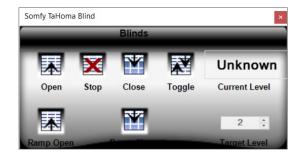
If a blind is not listed, use the "Refresh All Devices" action to update the Available Blinds list. Refresh time may vary per system size.

• Go to the device Actions tab, click Refresh All Devices List, then repeat step 9

10) Double-click the blind or blind group device to test each button operation

See Appendix A of this guide for a list of Somfy TaHoma Blind device specific commands and actions. RTS motors do not report positional feedback. The TaHoma Blind Current Level will display "Unknown" and Target Level control is unavailable for all RTS motors.

RTS motors are capable of one programmable "My" or favorite position that requires a Stop command when the motor is at rest. A Control4 Custom Button must be created to achieve this position by mapping the "My" command to the "Set Blind to IP" command.



# APPENDIX

# [APPENDIX A] AVAILABLE COMMANDS & ACTIONS

TAHOMA RTS BLIND					
Open	Moves blind to the fully open position				
Close	Moves blind to the fully closed position				
Toggle	Sequence controls blind close-open				
Stop	Stops blind when moving				
Му	Moves blind to the programmed My position if blind is at rest (Requires a Control4 custom button to be programmed)				

#### **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:

(800) 22-SOMFY (76639) technicalsupport\_us@somfy.com

#### SOMFY SYSTEMS INC SOMFY NORTH AMERICAN HEADQUARTERS

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

#### **FLORIDA**

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

#### CALIFORNIA

15301 Barranca Parkway Irvine, CA 92618-2201 F: (949) 727-3775

# SOMFY ULC

**SOMFY Canada Division** 5178 Everest Drive Mississauga, Ontario L4W2R4 P: (905) 564-6446 F: (905) 238-1491

www.somfypro.com

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