

# **SAVANT** INTEGRATION for TAHOMA® RTS





# **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<sup>®</sup> (RTS) motors and 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 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<sup>®</sup> 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<sup>™</sup> API.

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

#### **RESOURCES & APPLICATIONS**

Visit <u>www.somfypro.com</u> for the following guides: • <u>Somfy TaHoma Smartphone and Tablet Interface Programming Guide</u> • <u>Somfy RTS Pocket Programming Guide</u>

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

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







iOS App Store

#### SYSTEM REQUIREMENTS

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

# II. INSTALLATION

## CONNECTIONS & INDICATORS



Micro USB Port

Connect power through Ethernet Adaptor

**GREEN** CONNECTED TO NETWORK

somfy

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

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C	All Ma	nufactu	urers		
0	ર∼ taho	m			
Col	mpone	nts			
		Somfy Tahor	y na [IP]		

Zone Name:	Shared Equipment	
	Use zone as prefix for component name	
Component Name:	Tahoma	

## NETWORK SETUP

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"



	ID connectio	one need bo	et addroce		
N	ir connectio	ns need no	st duuless		
				Cancel	OK

## SET TAHOMA PROFILE FOR RTS

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

	Class: Lig	hting Controll	er		
Manuf	acturer: Sor	nfy			
	Model: Tah	ioma			
Devic	e Name: Tal	noma RTS			
house here here here here here here here he					
Show: token	State Variab	iles 💿	?		
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Show: token Type Pro	State Variab	Type P RTS	3		

- 6) SELECT "Generate Services" on the Toolbar
- 7) SELECT "Done"

					Untitled	i			
			Se	rvice Prefere	nces Table (Service O	rdering, Grouping and Aliasi	ng)		
Enabled	Show	Keypad	Service	Zone	Source Component	Source Logical Component	Service Variant ID	UI Mapping	lcon
			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]						
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-									
+							Override Serv	rice Window with	h Service Prefere
E	nable All		Show All	Enable All K	eypad		2	Cancel	Done
D	isable All		Hide All	Disable All H	Keypad		()	Cancel	Dor

## **REQUEST AUTHORIZATION TOKEN**

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.

GENERAL	State Values		? Qtoken &
() Controller Info	State Name	<ul> <li>State Value</li> </ul>	State Type
Processes	Tahoma RTS.Lighting_controller.IsTokenValid	1	Boolean
🛆 Diagnostic Reports	Tahoma RTS.Lighting_controller.savedToken	EnterNewTokenHere	String
System Licenses	Tahoma RTS.Lighting_controller.token	PRfZaOEgRBZcsm7jMh4K	String
Seconfiguration Info	Tahoma.Lighting_controller.IsTokenValid	1	Boolean
Host Claiming	Tahoma.Lighting_controller.savedToken	EnterNewTokenHere	String
CONTROL	Tahoma.Lighting_controller.token	0zaiNz7yHbXaiPjhJeQa	String
X System State			
Service Events			
E Services			
X Component Status			
A/V			
(1)) Audio Controls			
Video Controls			
OAV Connections			
EDID Settings			
Sonos Info			
UPnP Discovery			

- 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"



				?
(	Class: Lighti	ing Controlle	r	
Manufac	turer: Somf	у		
N	todel: Tahor	ma		
Device N	lame: Tahor	ma RTS		
lotes:				
0				
Show: St	ate Variable		2	
Tokan .				
LONGA .				
Туре				
			0	
Prope	rties for:	token	0	
Prope	rties for: nitial Value:	token PRf2a0EgR8Zc	©	
Prope I Default I	rties for: nitial Value: nitial Value:	token PRfZaOEgRBZc EnterNewTok	e sm7jMh4K enHere	
Prope I Default I	rties for: nitial Value: nitial Value:	token PRfZaOEgR8Zc EnterNewTok	e sm7jMh4K enHere	
Prope I Default I	rties for: nitial Value: nitial Value:	token PRf2a0EgR8Z EnterNewTok	e sm7jMh4K enHere	
Prope I Default I	rties for: nitial Value: nitial Value:	token PRf2a0EgR824 EnterNewTok	e sm7jMh4K enHere	
Prope I Default I	rties for: nitial Value: nitial Value:	token PRf2a0EgR82a EnterNewTok	e sm7jMh4K anHere	

## ADD RTS PRODUCTS

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 Integrat	TS shade - rts	16720636		
Fachlad	Identifier	Carataslias		Landia		T-MA	Shad	es Settings
nabled	ó	Controller		Location	^	Enuty	Laber	Address [1]
	1	Tahoma		Room 1	0		~	
	2	Taboma	Ň	Room 1	×			
	3	Tahoma RTS	0	Room-1	Ċ.	Shade	C RTS Shade	16720636
Show Adv Enable Disable	All	ns 🕑 Show Room Contre Regenerate All	ol Tab Savant App 2	one Map				Import Expo ? Cancel Don

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

## MY POSITION WORKFLOW

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"

ervices for:	Room 1				0	Service Resources	
e Show Key	pad Realized Services	Alias Index	~	Enter new request name.		Request Mod Date	
2	Web Info	Information		workflowName		RoomPoweredOff	
	General Programmable Service R	equests Linux Smart Host 2			¢	▶ RunCLIProgram	
	Fan Control Service	Linux Smart Host 2	2	Cancel	0	SendSavantScene	
	Lighting Control Service	Linux Smart Host 2			0	WholeHousePoweredOff	
	Lighting Control Service	Tahoma			0		
	Shade Control Service	Tahoma			0		
	Lighting Control Service	Tahoma RTS			0		
	Shade Control Service	Tahoma RTS			0		
	Web Browser	Web Browsing					

5) OPEN the "My Position" workflow



#### 6) SEARCH for "TaHoma"

Library Media		
Actions Variables	Q, tah	0
V 📶 Library	🚺 Tahoma	
Calendar	💙 Tahoma RTS	
Contacts		
X Developer		
🔛 Files & Folders		
1 Fonts		
Internet		
関 Mail		
Re Movies		
Music		
PDFs		
🚮 Photos		
T Presentations		
🕅 System		
🚺 Text		
🗙 Utilities		
X Other		
Most Used		
Recently Added		

- 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*

Component:	Lighting_controller Somfy Taho	oma
Function:	Lighting_controller	0
Resource:	Custom	Action: RTS_MyCommand
ion Arguments:	Name	Value
	Address1	16766371
	Address2	Arg Value
	Addrace?	Ara Valua
	Add Remove	rts Device ID after (rt

- 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"

Service Resources Service	Requests	?
Request	Mod Date	UI
My Position		1
RoomPoweredOff		
▶ RunCLIProgram		
SendSavantScene		
WholeHousePoweredOff		

# APPENDIX

## [APPENDIX A] ENABLE/REFRESH INTEGRATION

- 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"

💼 TaHoma® 🛛 🖨	THIRD-PARTY INTEGRATION	THIRD-PARTY INTEGRATION
My Products My Setup	Your TaHoma is compatible with third-party systems. Select the system you want to enable. SmartThings Control your smart devices with SmartThings	Integration report 1602-0265-7960 192.168.1.124 3 - rts.16753272
Set     Activity History       Advanced Settings       Image: Control Party Integration	Cor Warning This is an advanced feature for installation, any activation or modification may impact your system.	4 - rts.16743037
Legal Information	Cancel     Continue       ELAN       Connect your ELAN system to TaHoma via       the Somfy Synergy local protocol	Activation successful Ok
	SAVANT SAVANT Connect your SAVANT system to TaHoma via the Somfy Synergy local protocol URC Connect your URC system to TaHoma via the Somfy Synergy local protocol	St30 ultra - rts.16740042 1602-5563-2031 192.168.1.15 R28 ext batt - rts.16756225
* û © …	RTI	Enable / Refresh Integrations

## [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.

#### FOR QUESTIONS OR ASSISTANCE PLEASE CONTACT TECHNICAL SUPPORT:

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