INTEGRATION GUIDE

CASAMBI INTEGRATION for SDN 0-10V INTERFACE



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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 Casambi Integrators for achieving complete automation of Somfy Digital Network™ (SDN) motors and the SDN 0-10V Interface.

What does this Guide contain?

The sections of this guide contain walkthroughs and methods of controlling SDN motors using the SDN 0-10V Interface integrated with Casambi.

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 SDN 0-10V Interface V2 is a device which accepts the lighting industry standard 0-10V analog dimming signal and converts it to a Somfy Digital Network (SDN) command. This device receives a 0-10V input from a third-party lighting control system and drives a motor in 10% increments (0%-100%).

RESOURCES & APPLICATIONS

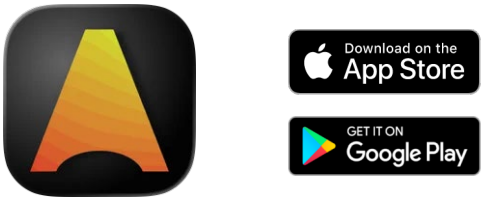
Visit www.somfypro.com for the following resources:

- Somfy Digital Network (SDN) 0-10V Interface V2 Programming Guide
- Set pro by Somfy SDN Configuration Tool
- Help me by Somfy app

Visit Somfy U for all the training you need - your pace, your place www.somfyu.com

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

Visit the iOS App Store or Google Play for the Casambi app:



SYSTEM REQUIREMENTS

Casambi Bluetooth-Controlled 0-10V with Relay (CBU-ARP-LR)

CASAMBI

III. SYSTEM PREPARATION

SOMFY SYSTEM

A fully operational Somfy Digital Network is required prior to Casambi commissioning.
Refer to the Somfy Digital Network (SDN) 0-10V Interface V2 Programming Guide for proper installation and configuration of each 0-10V Interface.
These devices are powered by AC line voltage and must be installed by an Electrician.

Confirm the following with the Shade Commissioning Agent:

- All SDN motors are programmed with assigned group addresses
- All SDN 0-10V Interfaces are installed with DIP switches set to the respective function and group address
- All SDN 0-10V Interfaces have been validated to control the appropriate groups of motors

CASAMBI SYSTEM

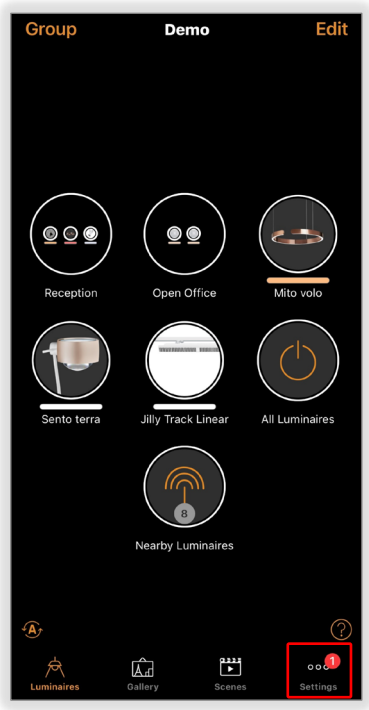
A fully installed and powered Casambi network is required prior to pairing devices.
Ensure all Casambi devices have the same firmware type and version.
Refer to the Casambi Support Home page for detailed product information, App User Guide, and support videos.

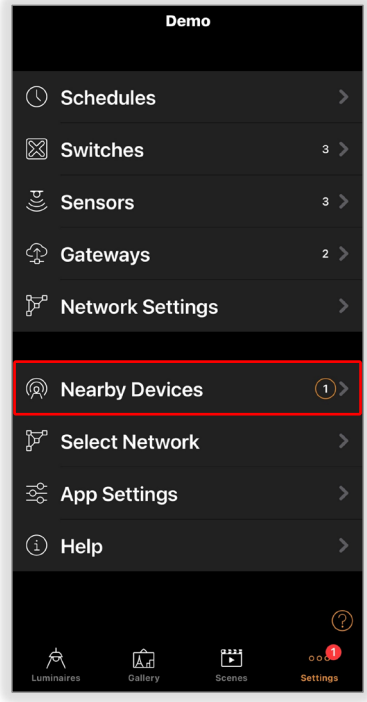
IV. SET UP

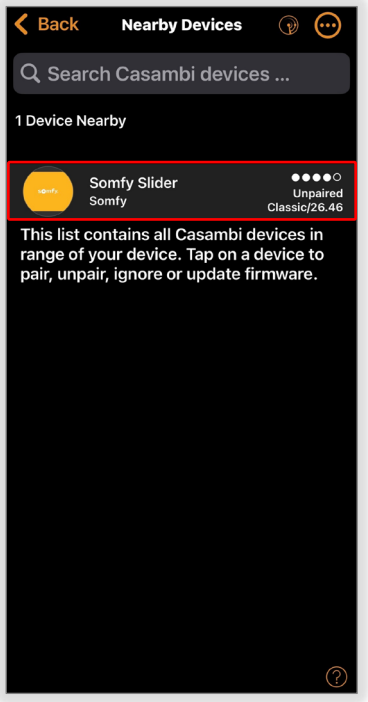
ADD DEVICES

The Casambi app is used as the commissioning tool as well as a remote gateway for controlling a Casambi lighting solution.
The Casambi app will search for all powered Casambi-enabled devices within Bluetooth range of the mobile device.

1) In the Casambi app, SELECT "Settings"
2) SELECT "Nearby Devices"
3) SELECT the device to pair







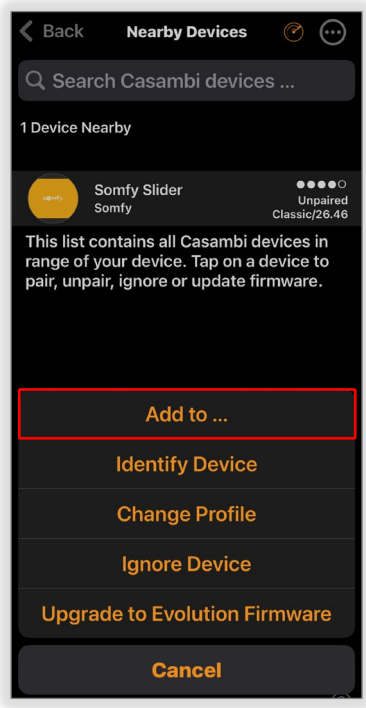
4) SELECT "Add to ..." to add the device to the desired Casambi network

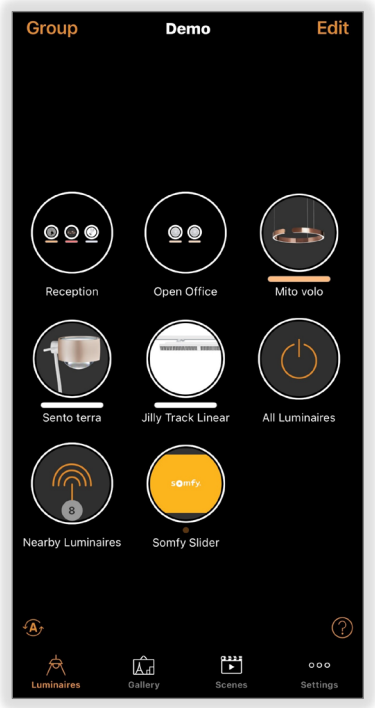
Selecting "Identify Device" will move the programmed group of motors open-close to identify the area of control.

Selecting "Change Profile" allows a change of the profile to a desired control profile prior to pairing the device. Refer to the Appendix for the available control profiles and actions.

If not changing the profile, proceed to the Test Operation section of this guide.

Once paired, devices will be added to the Luminaires tab.

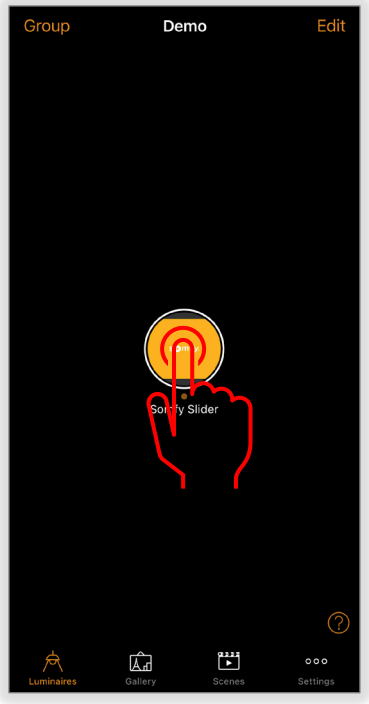




TEST OPERATION

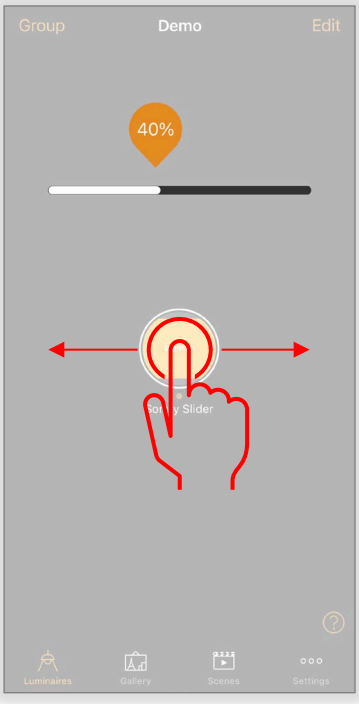
The Casambi app recognizes basic gestures to control devices. The Somfy 0-10V Interface receives Casambi commands moving SDN motors from 0% open to 100% closed in 10% increments or to profile presets. Refer to the Appendix for the available control profiles and actions.

- In the Luminaires tab, perform the following gestures with the Somfy luminaire icon to operate motors:



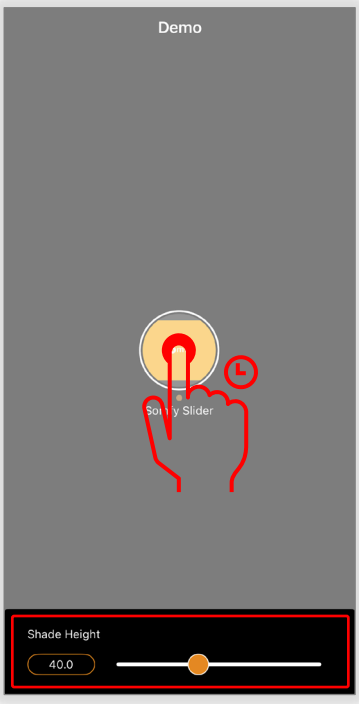
Tap

Tap to sequence control motors from open to closed



Pan

Pan over from left to right to gradually control motors to the nearest 10% increment



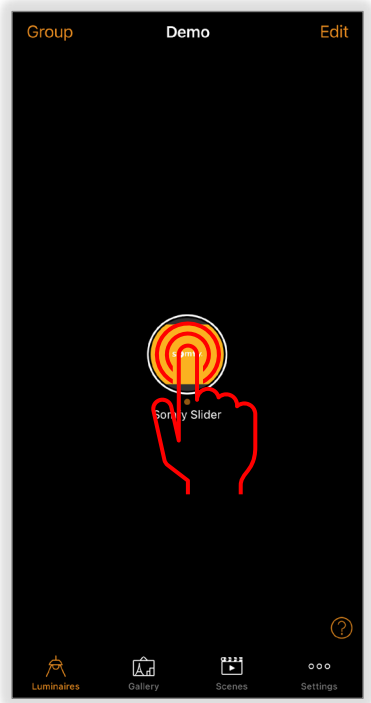
Push & Hold

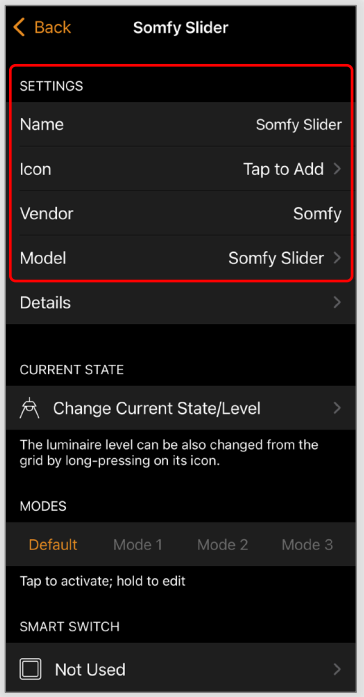
Push & hold until the shade control panel appears to control motors according to the particular profile

EDIT DEVICES

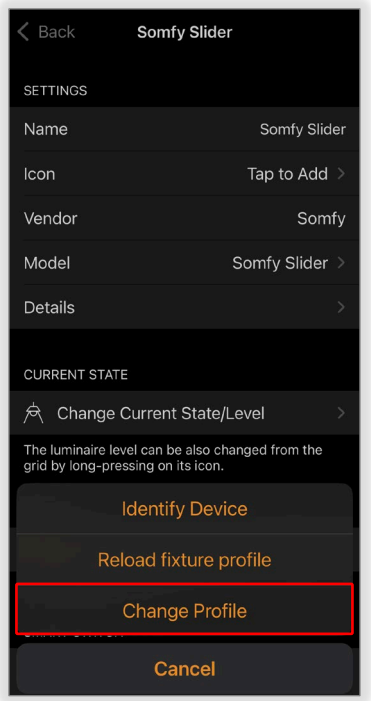
Device properties may need to be edited after being added to the Casambi network.
Simply unpairing a Somfy luminaire does not return it to a factory state nor default the control profile.

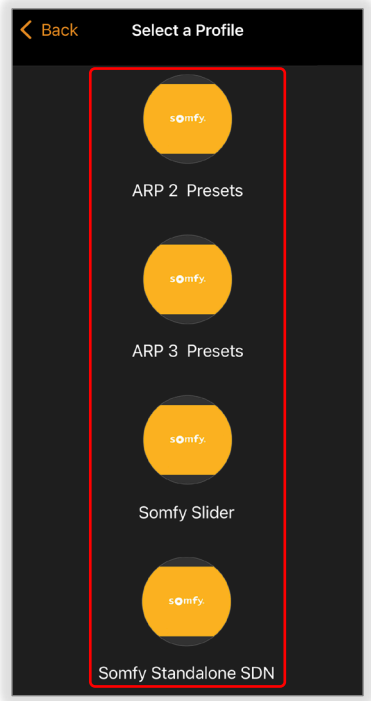
1) In the Luminaires tab, DOUBLE-TAP the Somfy luminaire icon or SELECT "Edit," then SELECT the icon
2) Edit the following Settings:
   a) SELECT "Name" to enter a name for the area of control
   b) SELECT "Icon" to change the icon image

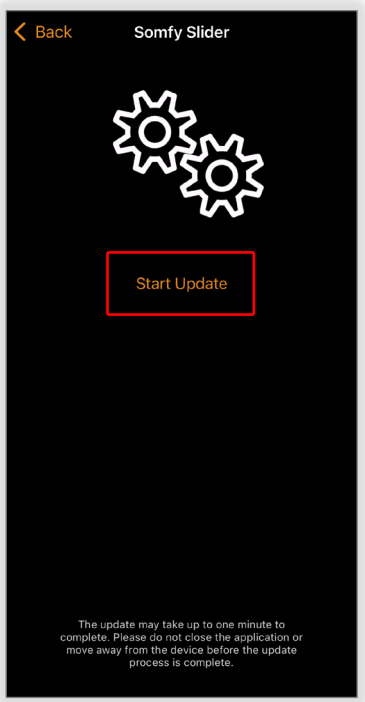




   c) SELECT "Model" to change the control profile
      i. SELECT "Change Profile"
      ii. SELECT a profile
      Refer to the Appendix for the available control profiles and actions.
      Changing the profile will overwrite the previous luminaire settings.
      iii. SELECT "Start Update"
      Allow time for the update to complete. If necessary, return to the luminaire settings to edit.







Refer to the Casambi App User Guide for additional luminaire control properties and features.

APPENDIX

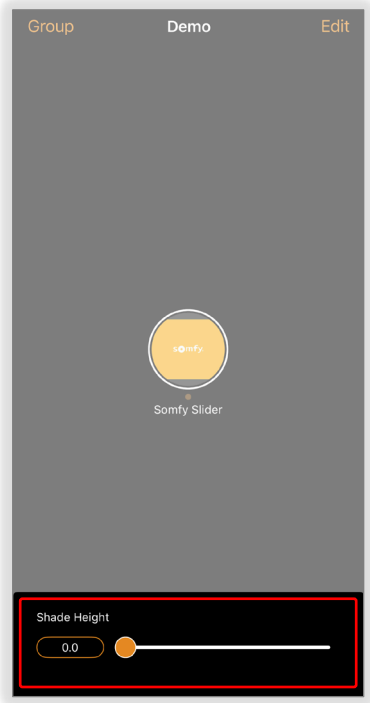
AVAILABLE CONTROL PROFILES & ACTIONS

The Somfy 0-10V Interface receives Casambi commands moving SDN motors from 0% open to 100% closed in 10% increments or to profile presets.
If reverse actions are required (0% = Closed / 100% = Open), then set the 0-10V Interface Bank A DIP switch 3 to ON.
Push & hold the luminaire icon to adjust motor positions with the shade control panel.

In the event of motor positions being out of sync with the Casambi app, move the motors to the furthermost position Open or Closed.

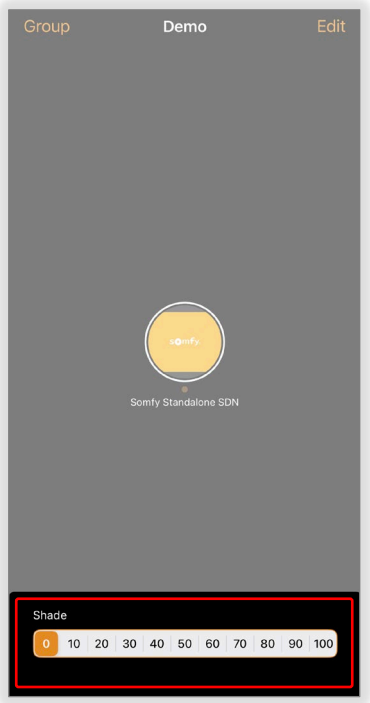
Somfy Slider

Moves motors from 0% to 100% in 10% increments by gradually adjusting the slider



Somfy Standalone SDN

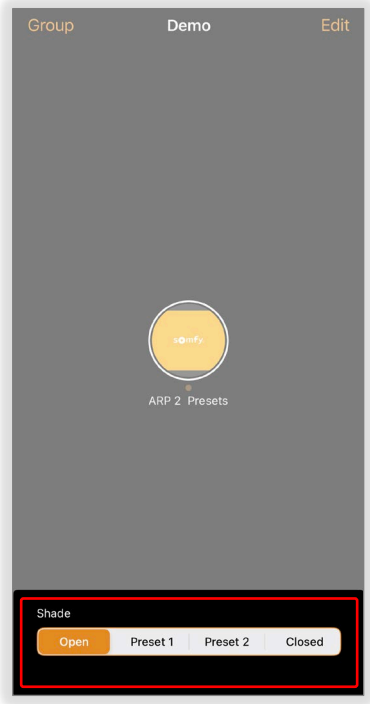
Moves motors from 0% to 100% in 10% increments by individually selecting each percent position



ARP 2 Presets

Moves motors from open to closed by individually selecting each position

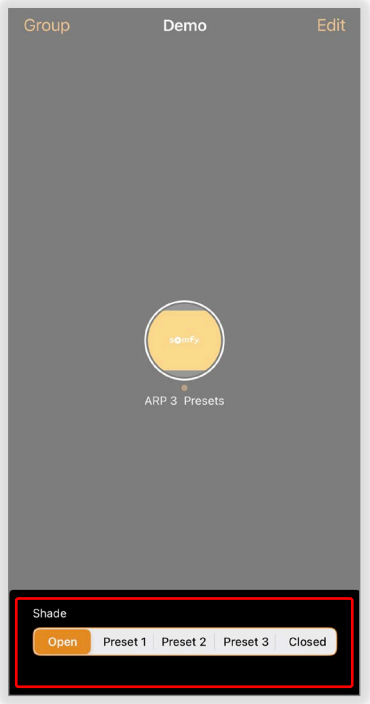
Preset 1 = 30%
Preset 2 = 70%



ARP 3 Presets

Moves motors from open to closed by individually selecting each position

Preset 1 = 30%
Preset 2 = 60%
Preset 3 = 80%



FOR QUESTIONS OR ASSISTANCE PLEASE CONTACT TECHNICAL SUPPORT:

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Get answers to your questions from our Somfy FAQ page: www.somfysystems.com/en-us/support/faq

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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.

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Somfy Systems, Inc.
T: (800) 22-SOMFY
www.somfypro.com

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

Florida
1200 SW 35th Ave.
Boynton Beach, FL 33426
T: (561) 995-0335
F: (561) 995-7502

California
15301 Barranca Pkwy.
Irvine, CA 92618-2201
T: (949) 727-3510
F: (949) 727-3775

Somfy ULC
T: (800) 66-SOMFY
www.somfypro.ca

Canada
6411 Edwards Blvd.
Mississauga, ON L5T 2P7
T: (905) 564-6446
F: (905) 238-1491