Somfy SDN

Crestron Home™ Driver

Base Model: Somfy SDN
Device Type: Shade
Version: 1.2.0

Notes & Recommendations

This is an updated version of the Somfy-SDN driver with an improved user experience. It will allow you to control your Somfy shades via a Somfy-SDN. This driver will control the SDN shades based on the platform driver. Multiple shade groups or rooms can be added using the platform driver user attributes.

The updated user interface will display all the shades you defined in a room on a single page.

Sequences are also supported, allowing the shades to be triggered from a scene, a keypad button, or a handheld remote.

The platform driver manages the communication between the SDN driver and the Crestron Home™ (CH) processor's COM port. **You will need an RS232-to-RS485 converter to use this driver with the SDN hardware (please refer to the driver's FAQ on our website for more info**).

The shade configuration, such as limits, IDs, and groups, must be set in the motors using Somfy-provided software like the SDN Motor Configuration Software or the SDN Configuration Tool.

This driver primarily supports Somfy's SDN v2 protocol. However, there is limited support for the previous version. Please read the section on defining the shade addresses and names for more details.

System Requirements and Dependencies

Versions of software used:

- CP4R - firmware v2.8000.00028
- Crestron Home - v4.018.0123
- iOS CH App - v1.21.15
- TSW - firmware v1.006.0046
- Crestron Home App - 4.7.9+pr

This driver comes with a 2-hour trial license. You can purchase a full license at https://digitalautomation.us/product/somfy-sdn-crestron-home-driver/

For additional information about this driver, please visit the FAQs section on our website
https://digitalautomation.us/product/somfy-sdn-crestron-home-driver/#desc_tab

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Installation/Upgrade Instructions

The Somfy-SDN driver is found under Somfy in Crestron's Platform category.

When you add the platform driver, it will ask you for a descriptive name, the COM port information, the source address, the number of rooms, and the License Key information.

- **Source Address:** You can leave it as default, but it must be one of these three hexadecimal values: 78:78:78, 79:79:79, or 80:80:80 (default).
- **Number of rooms:** Here, you enter the number of Crestron Home™ rooms where you want a tile to control the shades. Each tile will be customized to control the Somfy channels you want for each room. Multiple tiles can control the same Somfy channel.
- **Instance Number:** This is used to load and save shade definitions. Each driver maintains an independent configuration.
- **Delete Configuration File:** Available only when adding the driver. If selected, the driver deletes the saved configuration and reverts to default values.
- **License Key:** The driver includes a 2-hour trial license that you can use to test the driver on your hardware and verify its operation. You may follow the link below to visit our web store and purchase a license without the trial time restriction.
  https://digitalautomation.us/product/somfy-sdn-crestron-home-driver/

Once you finish entering the information and press OK, a new folder will appear under Somfy in the **Managed Platforms** category. It will have the same name as the platform driver you just added. Inside the folder, you will see entries labeled Home Tile, Room 1, Room 2, etc.. The number of entries is equal to the number you entered under "Number of rooms". Add an entry into each room that will have shade control. When you add it to the room, it will ask you to define the Shade Entries.

The SDN driver is used to control the available shades in any given room. Each room that has shade control will need its own instance of the SDN driver obtained from the folder. This is done by clicking the "**+**" of the SDN driver in the selected room. You can add multiple instances of the driver to a room and they will be presented as multiple tiles in the user interface.

Using the motor or group addresses, the driver can control shades individually or in groups. Each motor or group entry comprises two sections separated by a hyphen (**-**). The first section is the motor or group address information. It is composed of six hex digits with a prefix. The second section is the name of the entry as it will be displayed to the user.

P123ABC-DeviceName

Where "P" is a placeholder for the prefix that indicates either the use of a motor address, a group address generated by the SDN Motor Configuration Software, or a group address generated by the SDN Configuration Tool. The only valid prefixes are listed below.

"M" - Motor address
"S" - Group address generated by the SDN Motor Configuration Software
"T" - Group address generated by the SDN Configuration Tool
"O" - Motor address for older shade motors (ILT2 and ST-30)
"P" - Group address for older shade motors (ILT2 and ST-30)

M123ABC-Blackouts (Example for a Motor Address with name Blackouts)

When defining multiple entries, they follow the same notation separated by a ";".

M123ABC-Blackouts;S456DEF-Sheers;T789FCA-Drapes;O123ABC-Shades;

Each SDN driver added to a room can handle up to 16 shades.

Note: Please refer to this driver's FAQ on our website for more info

Configuration saving:

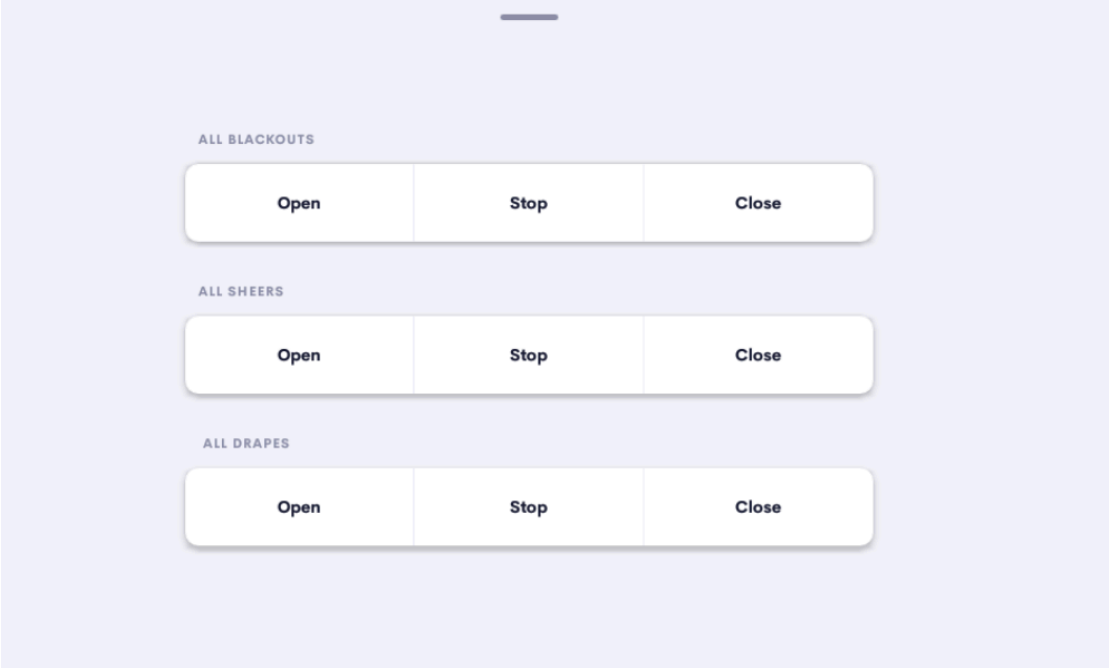
Each instance maintains its own independent saved configuration. If no saved configuration is available, the driver will load default values.

The driver saves the shade configuration based on the instance number after 5 minutes.

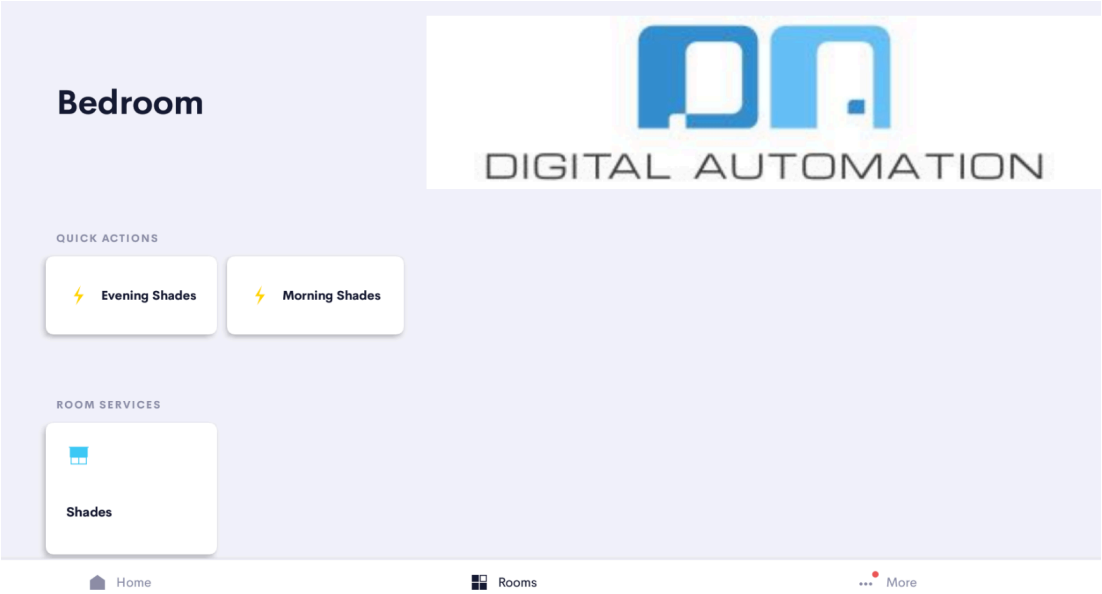
End-User Experience

New Updated Shade Control interface

It will display all the shades you defined in a room on a single page.



Room Tile



Supported Features

- Open
- Stop
- Close
- Preset
- Custom position
- Quick actions
- Configuration saving

Test Environment

The following hardware was used for testing:

- CP4R - firmware v2.8000.00056
- Crestron Home - v4.001.0334
- iOS CH App - v1.21.15
- TSW - firmware v1.006.0046
- Crestron Home App - 3.21.11+pr

Supported Models

- SDN
- ILT2
- ST-30

Contact Information

If you have any questions, please contact us at drivers@digitalautomation.us

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Version History

1.0

08/25/2022

- Initial release

1.0.1

02/10/2023

- The issue was resolved in the latest firmware when other serial drivers are on the same processor.

1.1.0

30/11/2023

- ITL2 and ST-30 model support has been added

1.1.1

04/04/2024

- A delay timer was added to create the paired drivers.

1.2.0

12/11/2025

- Configuration saving has been added.

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