# **USER GUIDE**



# SET PRO BY SOMFY SDN CONFIGURATION TOOL

FEATURES & USER GUIDE
GUIDE VERSION 2.0



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# 1. About Software

#### 1.1. Software Version

Set pro by Somfy Version 2.1.0

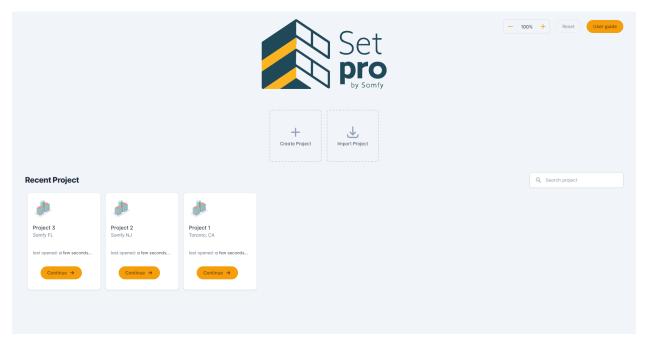
# 1.2. Device Compatibility

Device	Support	Compatibility
Sonesse® 30 RS485 (1241144)	Yes	
Sonesse® 30 RS485 (1000658)	Yes	
Sonesse® 40 AC RS485	Yes	
Sonesse® ULTRA 50 DC RS485	Yes	
Sonesse® ULTRA 50 AC RS485	Yes	
Sonesse® 50 AC RS485	Yes	
LT50 AC RS485	Yes	
RS485 Motor Limit Setting Tool (Rev. A/B)	Yes	
RS485 Motor Limit Setting Tool (Rev. C)	Yes	
Glydea® ULTRA 35 & 60	Yes	
Rs485 (SDN) Module For Irismo™ Motors	No	
Decoflex SDN Keypad V2	Yes	Firmware Version>= 5.54
RTS Receiver For SDN V2	Yes	Firmware Version>= 2.00
ILT2 Motors	Yes	
RTS Transmitter (Situo/Telis)	No	

#### 1.3. Recommendations

- Somfy SDN Data Hub V2 does not support data rates used in the motor firmware update. It's recommended to not use the SDN Data Hub V2 while updating motor firmware. Use an RJ45 Coupler or other passive hub to update motor firmware.
- Firmware update for the following motors/devices is not supported by this software.
  - o Sonesse® 30 RS485
  - o Glydea® ULTRA 35 & 60
  - o Decoflex SDN Keypad V2
  - o RTS Receiver For SDN V2
- The RS485 Limit Setting Tool is not discoverable with this software. The only operation allowed for the Limit Setting Tool is firmware updating.

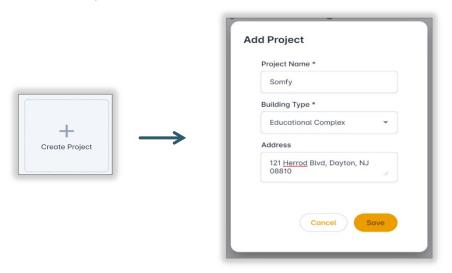
# 2. Project Management



NOTE: Refer to Appendix A of this guide to import projects from previous software versions.

Project space allows users to Create, Search, Open, Delete, and Import SDN projects. A list of all the projects in the local machine will be displayed here. Click on the

# 2.1. Create New Project



SELECT "Create Project" to create a new project. ENTER the window fields with required project details.

SELECT "Save" to create the project.

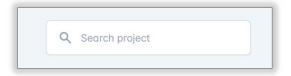
### 2.2. Import Project



Click on "Import Project" to open a window to select SDN Set pro Configuration Tool project.

Add file by either drag and drop, or click "Browse for file" on the local machine.

### 2.3. Search Project



Click in the "Search project" field and type to search by project name.

NOTE: Only projects with matching names will be displayed.

# 2.4. Delete Project



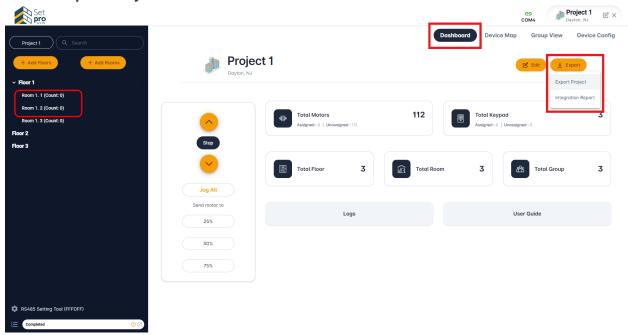
The Delete Project option is available when the cursor is hovering over the project tile.

NOTE: Tooltip for delete icon is displayed when cursor is over that icon.

Once a project is deleted, a prompt opens to confirm the action. Once confirmed, the project is cleared from the project space and related files are deleted from the local machine.

# \*\*\* IMPORTANT\*\*\* Delete project cannot be undone!

# 2.5. Export Project



Open the project, Select the Dashboard Tab, Click the "Export" Button, Select "Export Project."



If only the floor plan is to be exported, click "No" on the popup window, otherwise click "Yes."

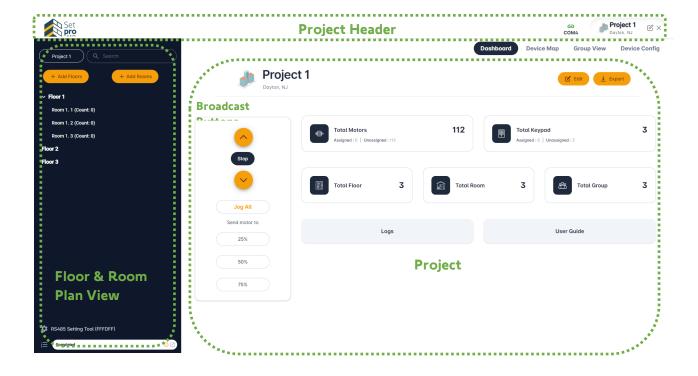
When exporting/importing a project with device settings:

Exporting: The latest device settings will be read from all devices assigned into the floor plan. Importing: All imported device settings are written on the SDN devices.

The following parameters are exported for the project:

- Motor: Intermediate Position, Group, and Network Settings
- <u>Keypad</u>: Keypad Settings
- RTS Receiver: Group Settings

# 3. Project Space Overview



The Project Header displays on the top of the Project Space. Project Header provides the serial connection option, project details, and options to close/export project or edit project details.

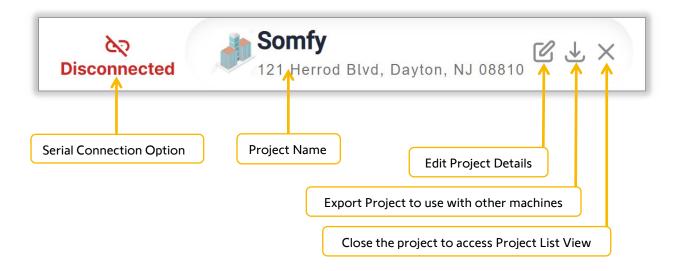
The Floor Plan View is on left side of the window. Floor Plan View displays a tree view containing floors, rooms, and SDN devices assigned to floors/rooms. The Progress Bar and shortcut to open The Communication Log is displayed in the bottom part of the floor plan.

- Progress Bar: Displays status of current SDN message queue in progress.
- <u>Communication Log</u>: Clicking this option will open log of SDN communication for ongoing session.

The Tabbed View is on right side of the window. Tabbed View contains tabs for Device Map, Group View, and Device Config.

- <u>Device Map</u>: Provides option to discover SDN Devices (i.e. SDN Motors and SDN Keypads), displays list of discovered devices, and displays list of assigned/unassigned SDN Devices to the floor plan.
- Group View: Provides option to create/manage/delete groups. User is able to list all groups of SDN motors in project, each device in group. User is able to create/delete groups and assign motors to groups.
- <u>Device Config</u>: Provides user interface to manage individual SDN devices. Configuration options for selected SDN device in Floor Plan appear in this interface.

# 3.1. Project Header

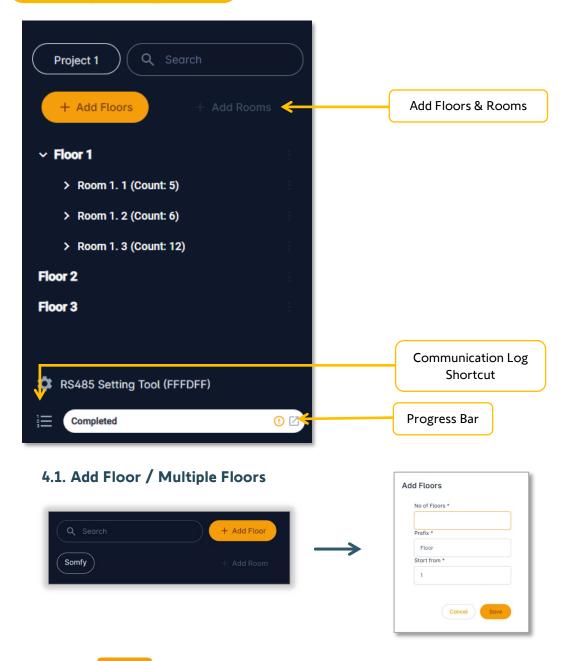


# 3.2. Serial Port Option



- Serial Connection Option keeps flashing until the Serial Connection is made Disconnected.
- Click on the Serial Connection Option to open a list of ports available for serial connection.
- Once the Serial Connection is established, the port name is displayed.
- To disconnect from port, click the Serial Connection Option and it will disconnect the serial port.
- For offline programming, select "Offline Edit."

# 4. Floor Plan Operations



Click on the + Add Floor to create several floors at once. In the pop-up:

- No. of Floors: Enter how many floors you want to add.
- Prefix: Text that appears before the number (default: Floor). You can edit this.
- Start from: The starting number. Floors will be created in sequence (...+1).

Click on and the floor will appear in the Floor Plan view.

**Example A:** If floors 1-3 already exist and you want floors 4-6, enter:

- No. of Floors: 3
- Prefix: Floor
- Start from: 4
- Result: Floor 4, Floor 5, Floor 6.

**Example B:** If there are no floors and you need three, enter:

- No. of Floors: 3
- Prefix: Floor
- Start from: 1
- Result: Floor 1, Floor 2, Floor 3.

NOTE: Floor names must be unique. A floor cannot be created without a name.



Click the desired floor to create a room. The floor name and to add one or several rooms at once.

- No. of Rooms: Enter how many rooms you want to add under the selected floor.
- **Prefix**: Text that appears before the room number. To follow the "Floor.Room" convention, include the floor number and a dot (e.g., Room 1. for Floor 1; Room 2. for Floor 2).
- Start from: The starting room number for this floor. Rooms will be created in sequence (...+1).

Click on and the Rooms will appear in the selected Floor.

**Example:** On Floor 1, to add rooms 1.1 - 1.3, enter:

- No. of Rooms: 3
- Prefix: Room 1.
- Start from: 1
- Result: Room 1.1, Room 1.2, Room 1.3 (under Floor 1).

  TIP: To continue numbering later, set **Start from** to the next unused number (e.g., if Room 1.1–1.3 exist, use Start from: 4 to create 1.4, 1.5, ...).

**NOTE:** Rooms can't have the same name in the same floor, but different floors allow the same room name.

# 4.3. Search Floors/Rooms/SDN Devices

Use the Search Bar to search Floor, Room, or SDN device by name.

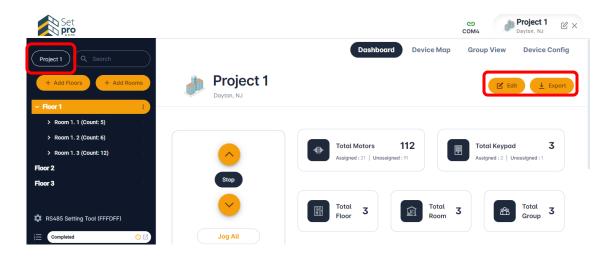
<u>Floor</u>: Floors can be searched by Floor Name. Only Floors containing the search term in Floor Name will be displayed. All rooms and SDN devices within that floor will also be displayed.

<u>Rooms</u>: Rooms can be searched by Room Name. Only rooms containing the search term will be displayed along with the related Floor and all SDN devices within that room.

<u>SDN Devices</u>: SDN devices can be searched with Device Name/Device ID. Only devices containing the search terms will be displayed along with the related Room and Floor.

# 4.4. Project View

Click on the Project Name in Floor Plan View to open the Project Dashboard in Tabbed View



Top right corner of Dashboard has two buttons

- 1. Edit: To edit project details (Project Name, Building Type, Address).
- 2. Export: Export project has following options:
  - a. Export Project: Exports a project file to be saved or used on other devices.
  - b. Integration Report: Generates an Excel file containing Device Information with floor details and Group Information.

# 4.5. Options and Operations Available for Floors/Rooms/SDN Devices in Floor Plan



Floor/Room/SDN Device options are available via the 3-dot menu when the cursor is over Floor Name/Room Name.

# 4.5.1. Floor Options

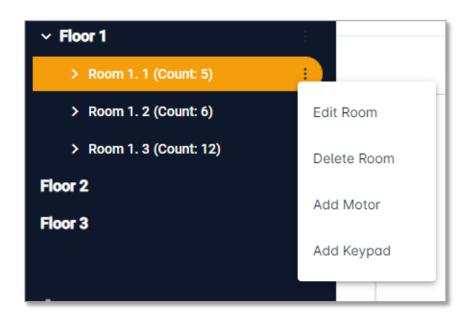
- Edit Floor: To edit a Floor Name.
- <u>Delete Floor</u>: To remove a floor from the Floor Map. All SDN devices attached to the Floor will go to unassigned devices in the Device Map when a Floor is deleted.
- <u>Add Room</u>: To add a Room into the selected Floor.

### 4.5.2. Room Options

- Edit Room: To edit a Room Name.
- <u>Delete Room</u>: To remove a Room from the Floor Map. All SDN devices attached to the Room will go to unassigned devices in the Device Map when a Room is deleted.

#### 4.5.3. SDN Device options

- <u>Edit</u>: To change a Motor Label/Keypad Name. NOTE: Double-click on device name to change the Motor Label or Keypad Name.
- <u>Delete</u>: To remove a device from a floor plan. The device will go to unassigned devices in the Device Map.

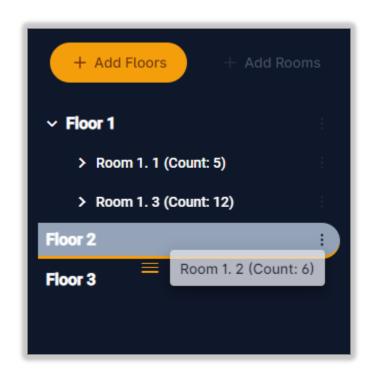


Add SDN devices to any room by drag and drop from the Device Map.

Move any single SDN device between rooms by drag and drop.

Double-Click on a Floor/Room/SDN Device to change the Floor Name/Room Name/Motor Label/ Keypad Name.

Drag and Drop a Floor/Room to rearrange order.



# 5. Device Map

The Device Map lists all devices in the project. From Device Map view, users can discover SDN devices.

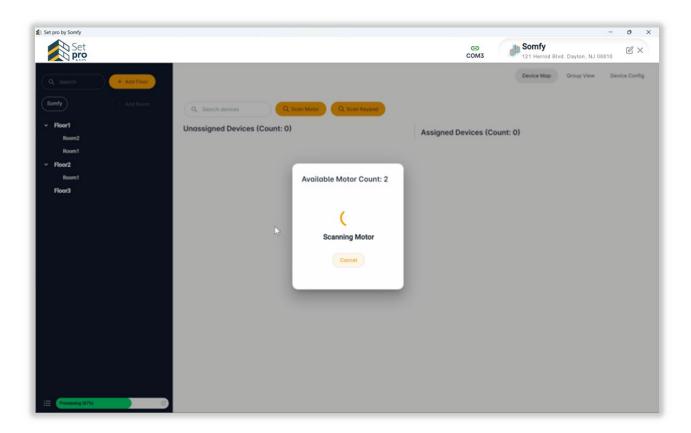
#### 5.1. Discover SDN Devices

#### 5.1.1. Discover SDN Motors

- Click on Q Scan Motor
- Discovered Motor Counts will be displayed.
- Once Node Discovery is finished, it will display the NodeLabels of each motor.
- After NodeLabels, limit of each motor will be checked.
- User can Confirm or cancel to scan the groups. Group Scan will determine which groups each motor is assigned to, then display a list of available groups in Group View. Group scan can also be performed from Group View.
- Upon discovery completion, all motors will be listed with NodeLabel and NodelD.
- Motors which are not assigned to any rooms will be displayed under unassigned devices.
- A separate, collapsible list will be displayed for each motor type (ST30, ST50, etc.). Only NodelD will be displayed for motors without NodeLabel.



• Motors without limits set will be displayed with a flashing red dot.

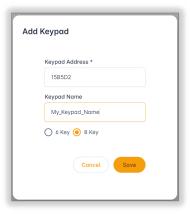


# 5.1.2. Discover Keypad

- Click on Q Scan Keypad
- Follow the Instructions indicated on the GIF



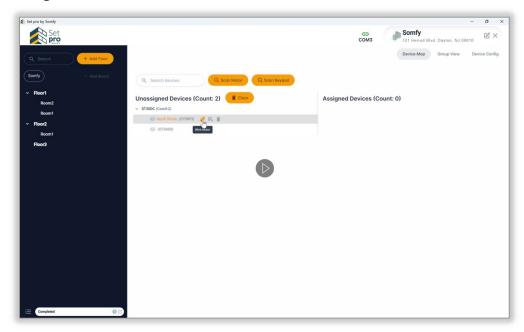
- A prompt will be open if user wants to stop discovery.
- Locate the physical keypad and press buttons 7 and 8 together (arrow buttons as indicated by the GIF).
- Once the Keypad is discovered, a prompt with the KeypadID will be displayed.



- Type the reference name in the Keypad Name Field.
- SELECT the Keypad type (6- or 8-button) and SELECT the "Save" Button.
- The Keypad now appears in unassigned devices.

### 5.2. Identify Motor

- Unassigned motors always have the wink option available when the cursor hovers over the motors.
- Once clicked, the wink option will be highlighted, and the motor will wink for 5 minutes.
- To stop the motor from winking prior to the 5-minute automatic limit, press the highlighted wink icon again.



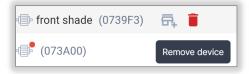
#### 5.3. Search SDN Devices

Search any device by NodelD or NodeLabel.

# **5.4. Clear Unassigned Discovered Devices**

• Only unassigned devices can be cleared from the list.

#### 5.4.1. Clear Individual Device



• Click on the "Remove device" Button to remove an individual device from discovered devices.

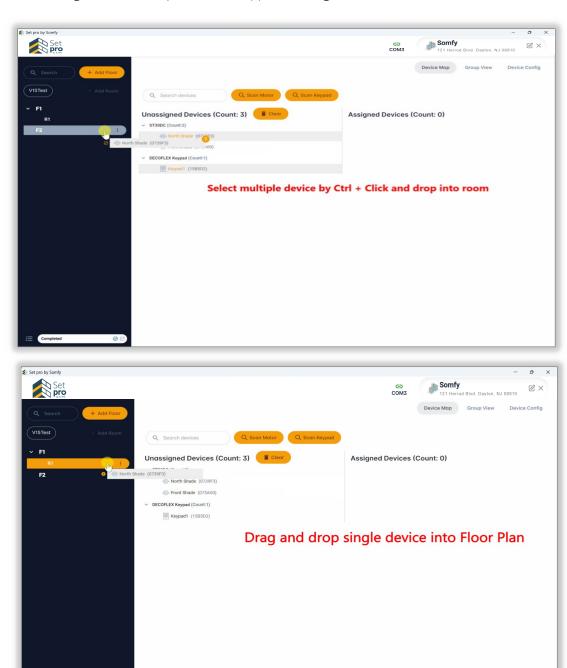
# 5.4.2. Clear All Unassigned Devices

Click on to remove all discovered devices that are unassigned.

# 5.5. Assign Devices in Room

Drag and Drop option:

- Select multiple devices by Ctrl + click. Use Shift + arrow keys for listed devices.
- Use Ctrl + A to select all listed devices.
- Drag selected devices to desired room and drop them.
- Devices cannot be dropped onto floors.
- Once assigned to a room, devices will appear in assigned devices list.



# **Group View**

# 5.6. Create Group Map

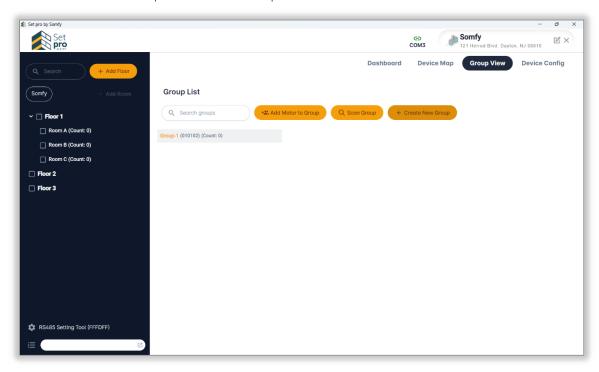
- Click on Q scan Group to create a group Map of all discovered motors.
- All groups will be listed. Each group will have a collapsible menu that lists both the motors in that group and the count of motors in that group.
- Group names are generated from GroupID. Double-click on a Group name to change the name.

NOTE: Group names are for user reference only and are not stored in the motor.

### 5.7. Create New Group

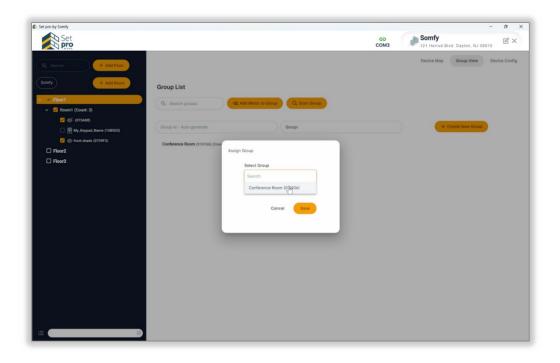


- Group ID is generated automatically if users do not edit the GroupID field.
- Edit the desired Group name in the Group Name field and click on



### 5.8. Assign Motors to Group

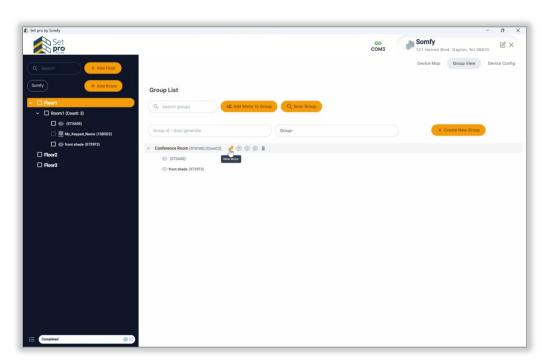
- Select motors by checking the boxes next to them. Select a Floor/Room to move all motors within that Floor/Room into a group.
- Click
   Add Motor to Group
- Select the appropriate group from the drop down list in the pop up window.
- Click "Save".



# 5.9. Group Operations

The following operations can be performed on groups of motors:

- Wink all motors in the group.
- Up/Down/Stop all motors in the group.
- Delete individual motors from the group.
- Delete Group.



# 6. Device Config

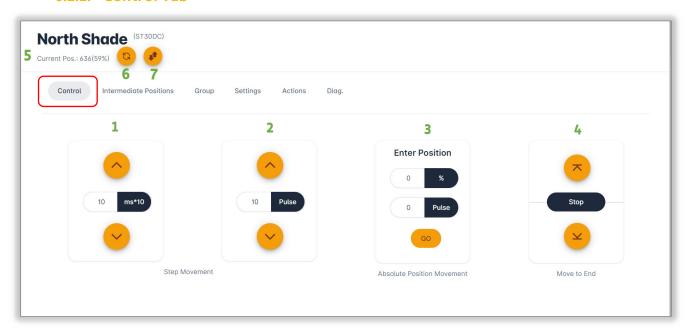
# 6.1. Open Device Config Tab

Select the appropriate device from the Floor Plan View.

The Device Config Menu for the selected device will appear in the Tabbed View.

# **6.2. Motor Config Options**

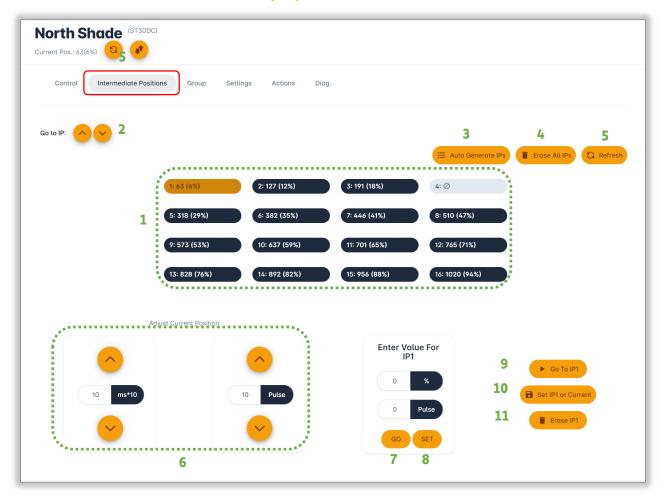
# 6.2.1. Control Tab



Control the following simple motor movements:

- 1. UP/DOWN Movement by millisecond\*10 input from textbox
- 2. UP/DOWN movement by pulse
- 3. Move motor to specific position by pulse count/percentage
- 4. UP Limit/Down Limit/Stop movement
- 5. Current position of Motor
- 6. Update Motor position data
- 7. Wink motor

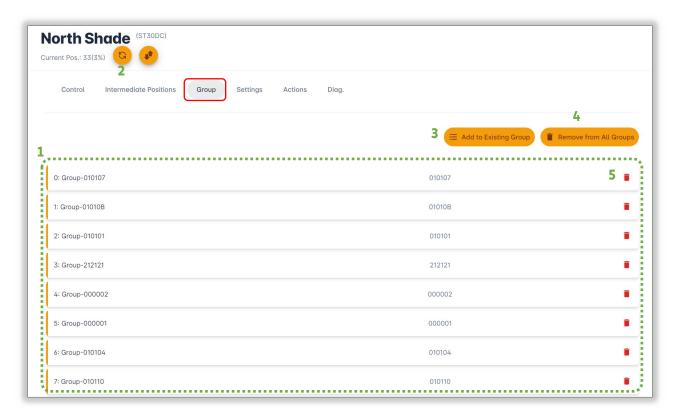
# 6.2.2. Intermediate Positions (IPs)



- 1. Displays a list of available Intermediate Positions. Click on an IP to select it. NOTE: Selected IP is shown using an *Orange* button
- 2. Go to Next IP UP/Next IP DOWN
- 3. Auto Generate Intermediate Position (select from 1-16)
- 4. Erase all Intermediate Position settings
- 5. Refresh Intermediate Position
- 6. Adjust current position by pulse/ms (millisecond)
- 7. Go to Pulse/% location
- 8. Set selected Intermediate Position at input pulse/%
- 9. Go to selected Intermediate Position
- 10. Set selected Intermediate Position at current motor position
- 11. Erase selected Intermediate Position

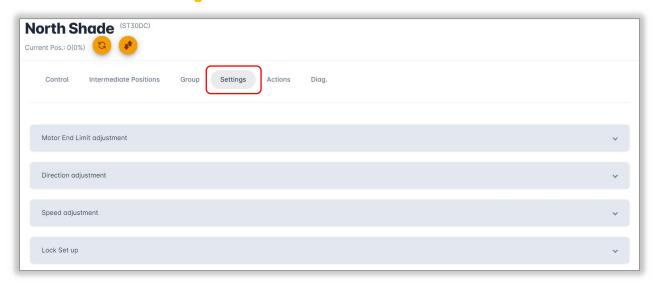
# 6.2.3. Motor Group

View and delete groups or add motors to a group.



- 1. List of current motor Groups
- 2. Update list of Groups
- 3. Add a motor to an existing group (The Group list is available in the Group View tab). *NOTE: New group cannot be created here.*
- 4. Remove motor from all groups
- 5. Remove individual group

### 6.2.4. Motor Settings



1. Expand/Collapse the desired setting option

# 6.2.4.1. Motor End Limit adjustment



- 1. Set Top limit at current motor position
- 2. Pulse count of current end limit
- 3. Set Bottom limit at current motor position
- 4. Set Bottom limit at pulse count provided in text box
- 5. Go to UP/DOWN limit
- 6. Move motor beyond limits. Hold UP/DOWN to move, release to stop movement.

### 6.2.4.2. Direction adjustment

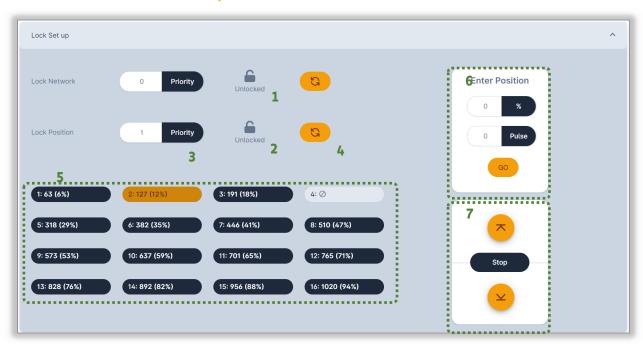
1. Click on "Direction" to change motor direction. *NOTE: Current direction is not able to be selected* 

# 6.2.4.3. Speed adjustment



- 1. Click on "Default" to set the default speed.
- 2. Change Up/Down speed setting or Slow speed settings and click "Save" to set the adjustment.

### 6.2.4.4. Lock Set up



- 1. Click to Lock/Unlock Network
- 2. Click to Lock/Unlock Position
- 3. Set Lock/Unlock priority between Network or Position
- 4. Refresh Lock status
- 5. Click to go to Intermediate Position
- 6. Go to specific position (% or Pulse count)
- 7. Go to UP Limit, DOWN Limit, or STOP movement

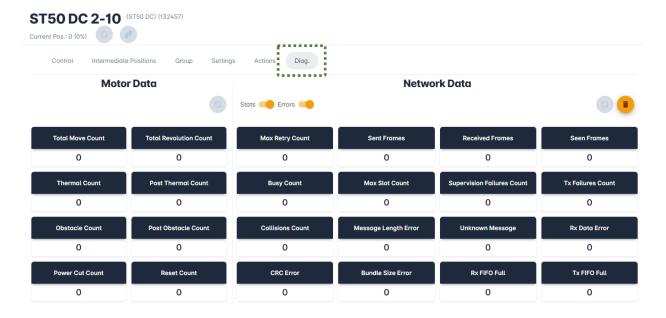
### **6.2.5.** Action

Click on "Action" to check motor firmware version. Click on "Wink" to get visual feedback or reset motor to factory default motor settings.



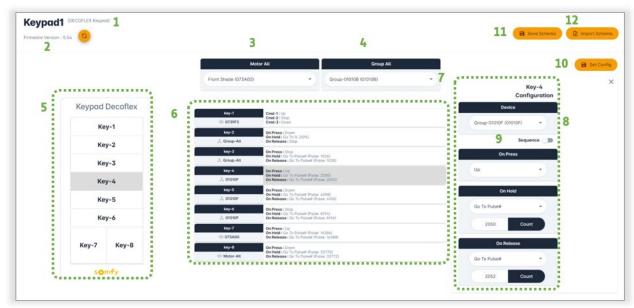
# 6.2.6. Diag

Click on "Diag" to retrieve diagnostic information from motor.



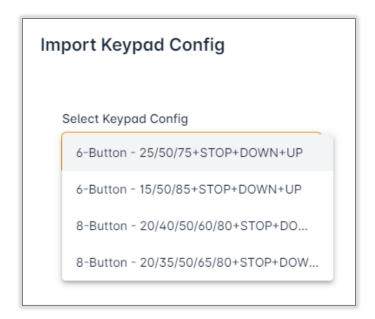
# 6.3. Keypad Configuration

Open Device Config Tab, then select a keypad from the Floor Plan View. Keypad Configuration options will appear in the Tabbed View.



- 1. Keypad Name (Not stored in keypad, for project reference only)
- 2. Keypad Firmware Version
- 3. Motor All option device selection
- 4. Group All option group selection
- 5. Keypad View: Press on keypad button to open key configuration options
- 6. Key settings for the selected Key
- 7. Selected Key Configuration options
- 8. Device selection for selected key
- 9. Sequence option
- 10. Set Configuration: Programs keypad
- 11. Save Schema of keypad
- 12. Import Keypad Configuration

# 6.4. Importing Keypad Configuration



Use a preset to speed up commissioning:

- 1. Open Import Keypad Config.
- 2. Under Select Keypad Config, choose a preset.
  - o Two 6-button presets and two 8-button presets are available. Refer to the screenshot for the preset breakups.
- 3. Click Save. The preset will be applied to the selected keypad.

NOTE: Presets populate only the On Press action for each button. You must still assign the devices/targets for every button after import.

You can also save your own keypad layouts:

- 1. Configure a keypad as desired, then save the configuration as a template.
- 2. Your saved templates appear in Import Keypad Config, alongside the predefined presets.
- 3. Select your template and click to apply it.
  As with presets, only the On Press actions are prefilled. Assign devices/targets per button afterward.

  NOTE: Group\_All functionality will only work with Keypad firmware version 5.54 or later. The Old SDN Keypad Tool will not program Group\_All functionality in keypads with firmware 5.54 or later.

#### 6.5. RTS Receiver Configuration

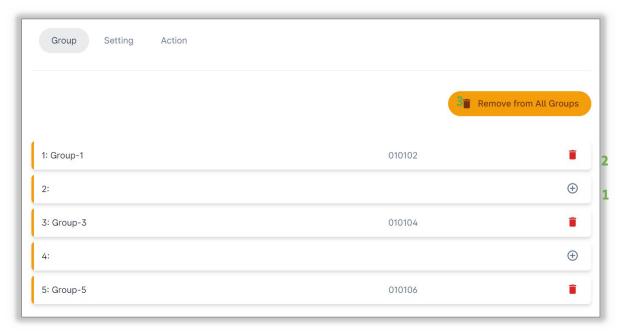
Click on "Device Config" Tab, then select the desired RTS Receiver from Floor Plan View. RTS Receiver options will appear in the Tabbed View.



There are three tabs to the RTS Receiver Configuration menu:

- 1. <u>Group</u>: Set/Delete RTS Receiver Groups (Group must be created in Group View to add into RTS Receiver)
- 2. <u>Setting</u>: Program/Delete RTS Channels using this menu
- 3. Action: Factory Default Setting/Firmware information

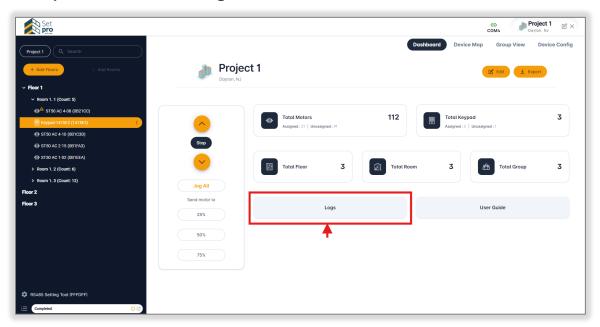
# 6.5.1. Group Operations



- 1. Click the  $\oplus$  icon to add a group on a specific position
- 2. Click the icon to delete a group on a specific position
- 3. Remove all groups from RTS Receiver

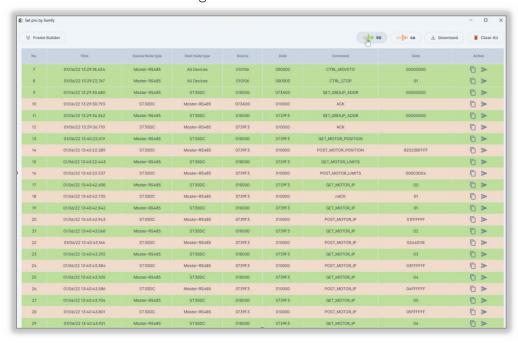
# 7. Communication Log

# 7.1. Open Communication Log



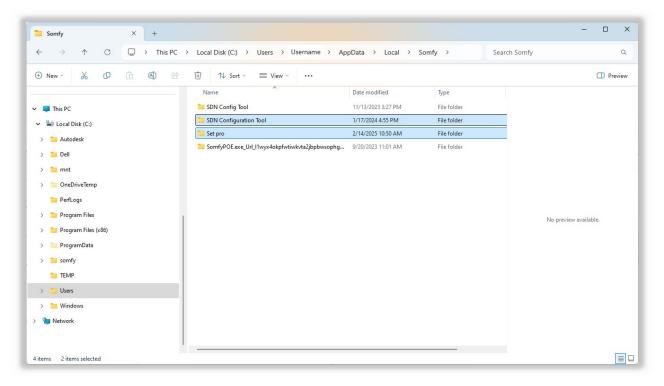
# 7.2. Communication Log features

- Copy SDN string
- Send SDN string from Communication Log
- Filter TX/RX Messages
- Download Log in Excel format
- Clear Communication Log



# [APPENDIX A] IMPORT PROJECTS TO NEW SOFTWARE

- 1) CONFIRM Set pro V2.0.8 is installed properly
  - a. NOTE: Projects created with Set pro will not be visible after this process so do not create new projects before transferring projects from old software
- 2) BROWSE to C:\Users\<UserName> and ADJUST settings to view Hidden Folder Windows Explorer on the PC with previous projects
- 3) NAVIGATE to the Local Disk (C:) Users\<UserName>\AppData\Local\Somfy\SDN Configuration Tool\db
- 4) COPY all files in the folder
- 5) PASTE all the files into C:\Users\<Username>\AppData\Local\Somfy\Set pro\db (replace if asked)
- 6) LAUNCH Set pro by Somfy V2.0.8 and then all their project files will be visible



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

(800) 22-SOMFY (76639)

Get answers to your questions from our Somfy FAQ page: <a href="www.somfysystems.com/en-us/support/faq">www.somfysystems.com/en-us/support/faq</a> Follow the steps to access Service & Support.



#### **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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