USER GUIDE

SET PRO BY SOMFY
SDN CONFIGURATION TOOL

FEATURES & USER GUIDE
VERSION 1.1

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1. About Software

1.1. Software Version

Set pro by Somfy Version 2.0.8

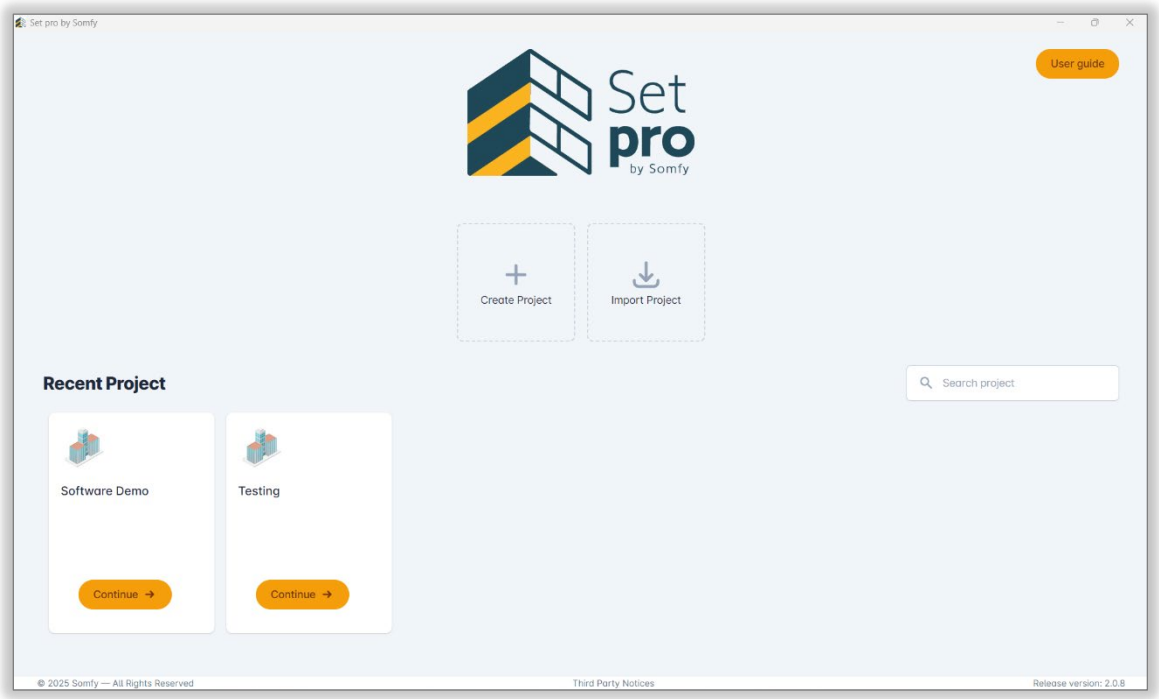
1.2. Device Compatibility

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 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 following motors/devices is not supported by this software.
    - Sonesse® 30 RS485
    - Glydea® ULTRA 35 & 60
    - Decoflex SDN Keypad V2
    - RTS Receiver For SDN V2
- The RS485 Limit Setting Tool is not discoverable with this software. The only operation allowed for Limit Setting Tool is firmware updating.

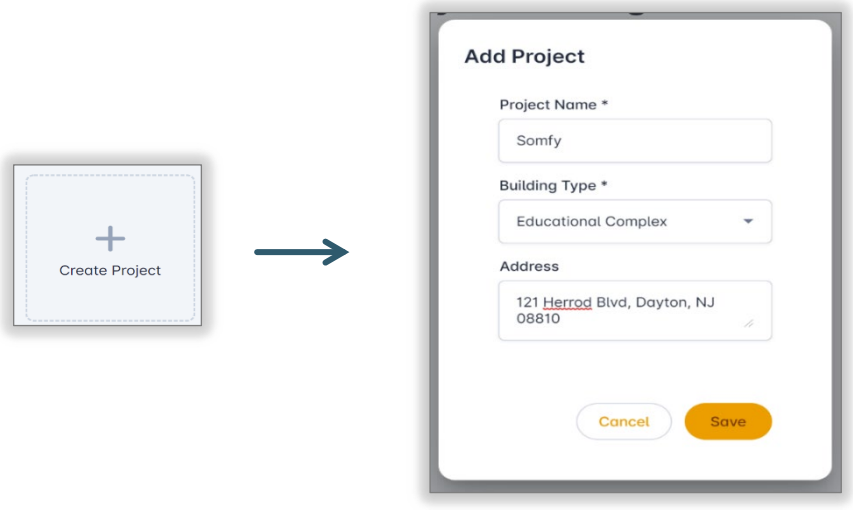
2. Project Management



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

Project space allows 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 Continue → button to select a project.

2.1. Create New Project



Click on "Create Project" to create new Project. Fill in the window fields with required project details.

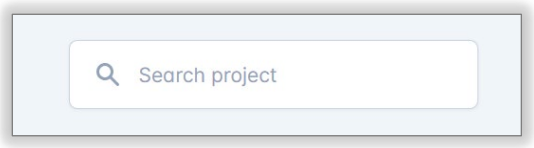
Click on "Save" to create project.

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 "Search project" field and type to search by project name.

NOTE: Only projects with matching names will be displayed.

2.4. Delete Project

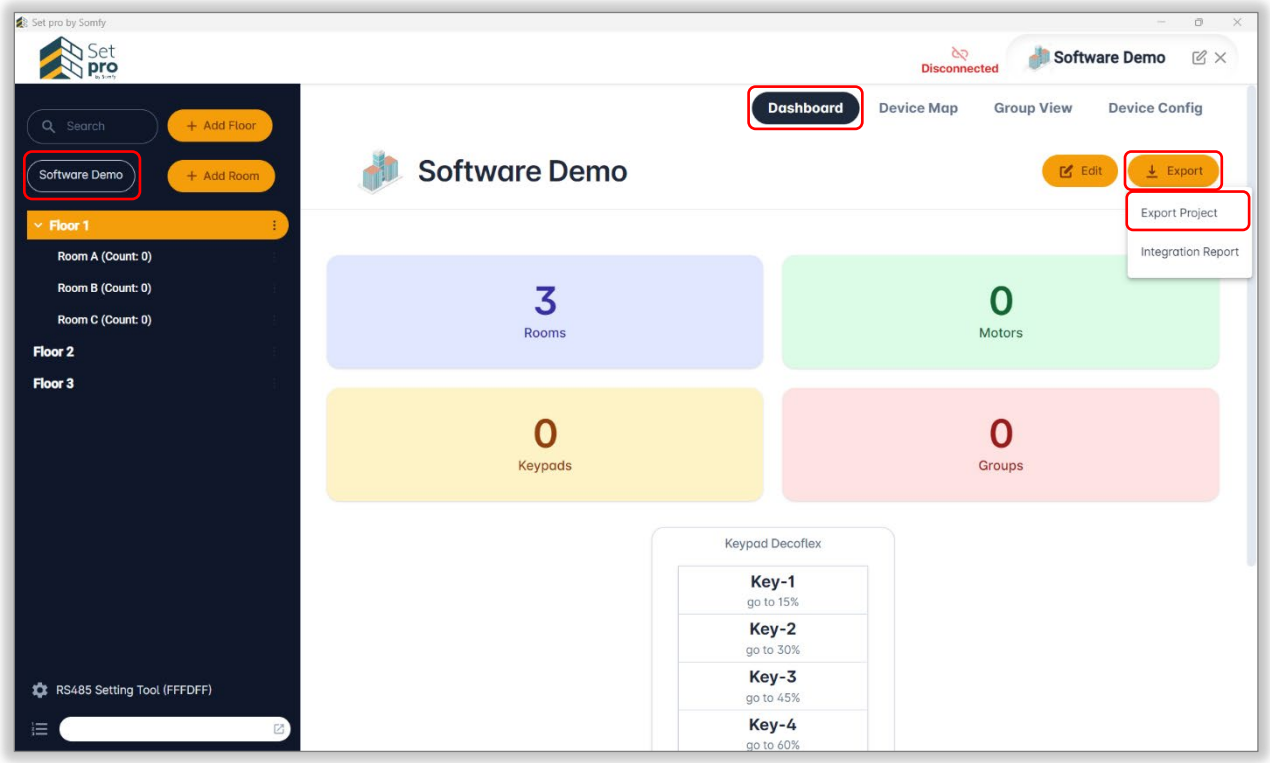
Delete project option is available when hovering over the project tile.

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

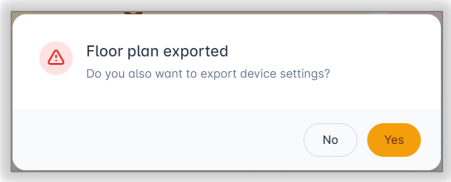
Once a project is deleted, a prompt opens to confirm the action. Once confirmed, the project is cleared from the project space and related files are deleted from the local machine.

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

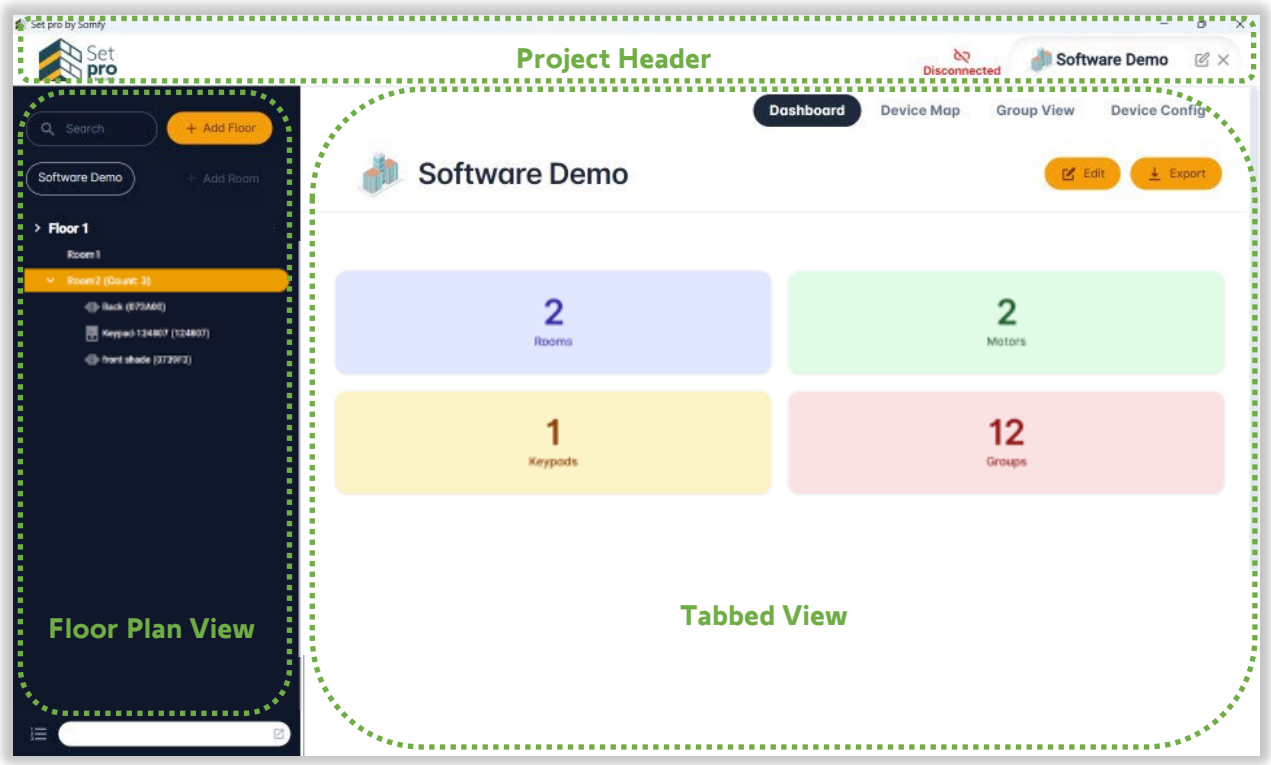
When exporting/importing a project with device settings,

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
- Keypad: 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.

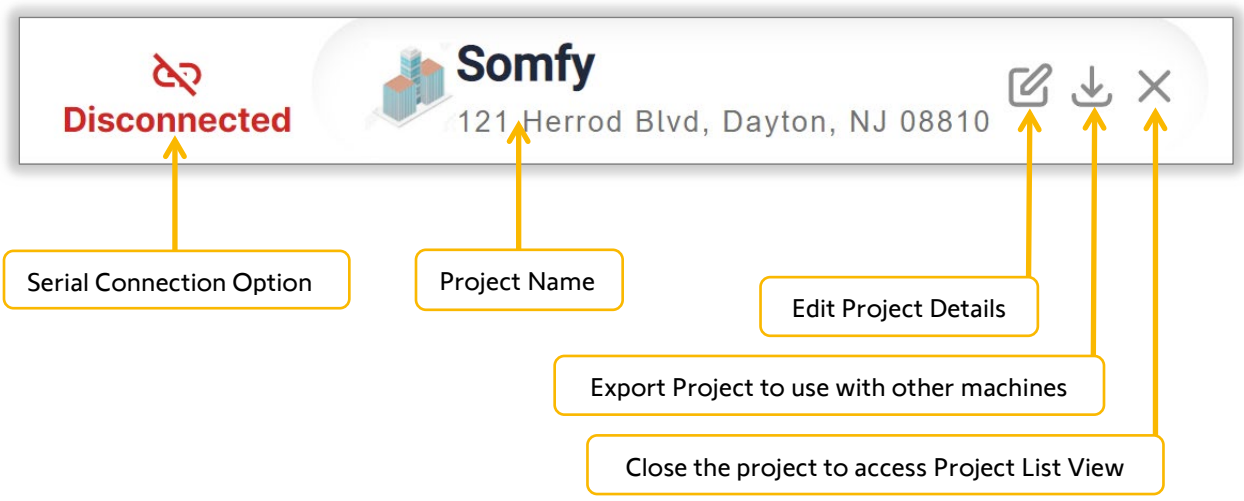
Floor Plan View is on left side of the window. Floor Plan View displays a tree view containing floors, rooms and SDN devices assigned to floors/rooms. Progress bar and shortcut to open communication log is displayed in bottom part of the floor plan.

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

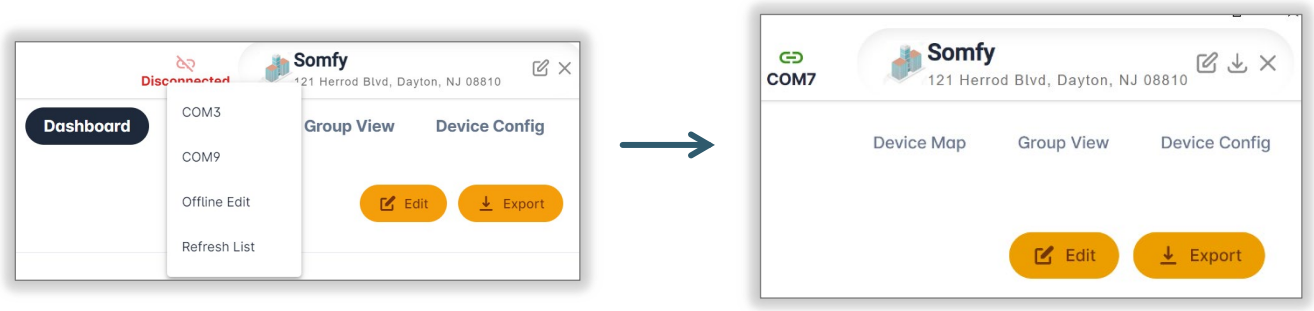
The Tabbed View is on right side of the window. Tabbed View contains tabs for Device Map, Group View, and Device Config.

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

3.1. Project Header



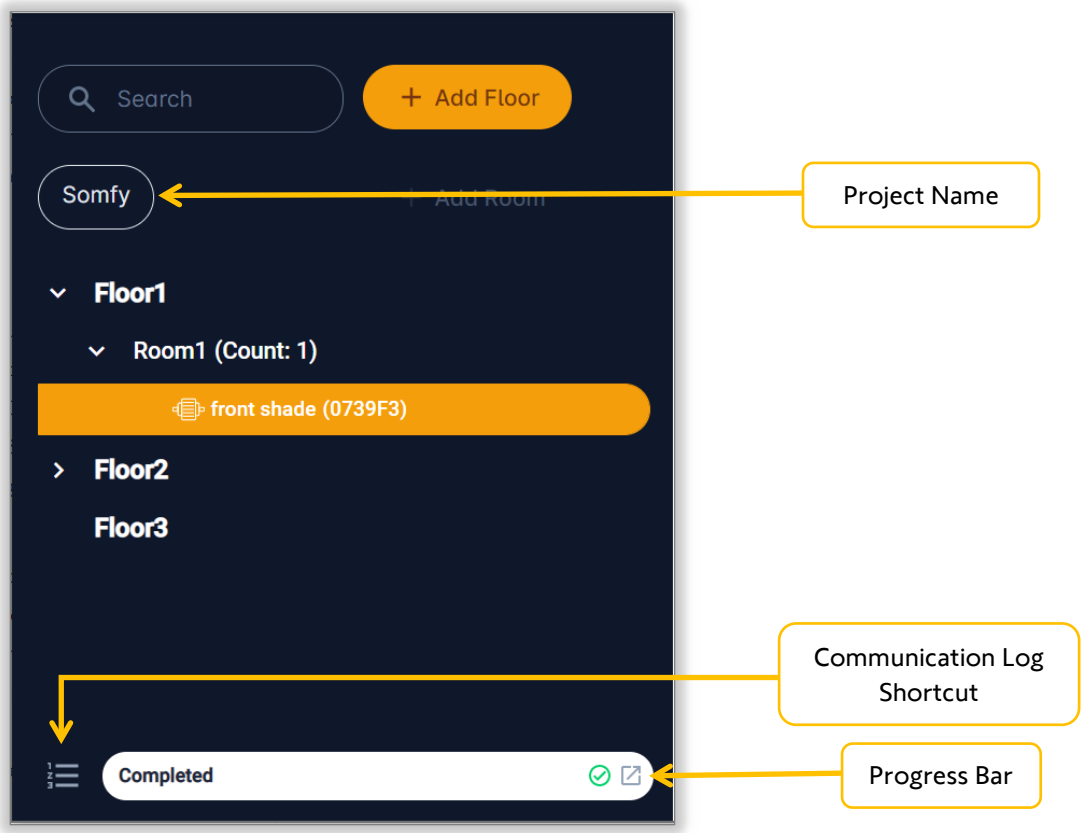
3.2. Serial Port Option



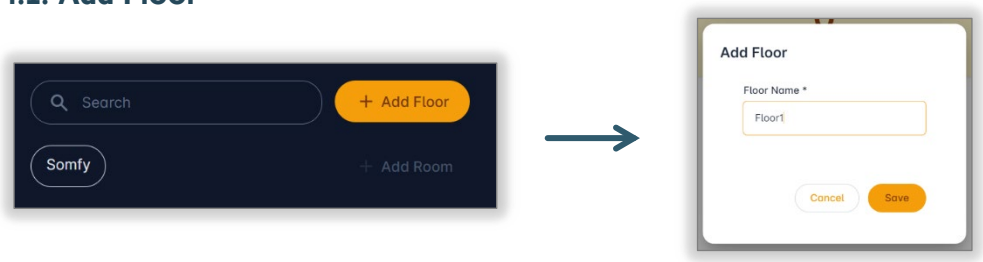
- Serial Connection Option keeps flashing until Serial Connection is made

- Clicking on the Serial Connection Option opens a list of ports available for serial connection
- Once 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

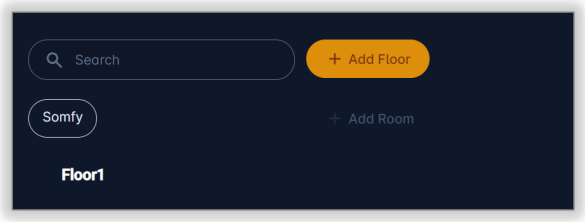


4.1. Add Floor



Click on the + Add Floor button to add new floor. A prompt will ask the user to enter floor name.

Click on Save and floor will appear in floor plan view.



NOTE: Two floors with same name cannot be created. A floor cannot be created without name.

4.2. Add Room

Click the desired floor to create room. Floor name and + Add Room button will be highlighted. Click on + Add Room to add a new room. User is prompted to enter room name and it will appear for the room.

NOTE: Rooms can't have the same name in the same floor, 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 with name.

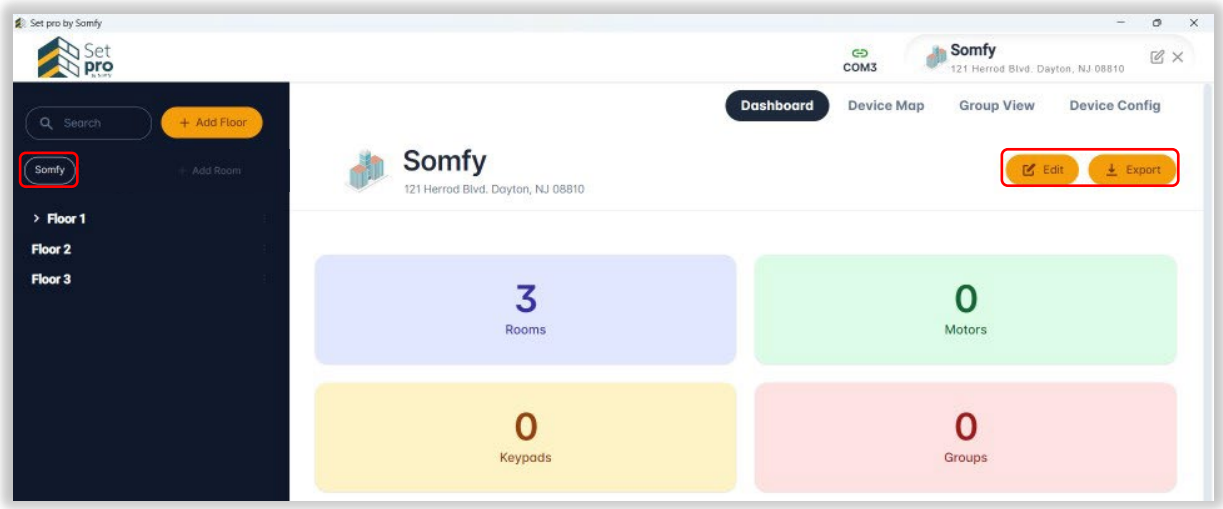
Floor: Floors can be searched by Floor Name. Only Floors containing searched term in Floor Name will be displayed. All rooms and SDN devices within that floor will also be displayed

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

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

4.4. Project View

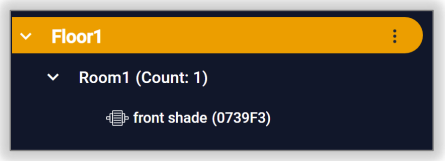
Click on the Project Name in Floor Plan View to open Project Dashboard in Tabbed View



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 and 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 cursor is over Floor Name/Room Name

4.5.1. Floor Options

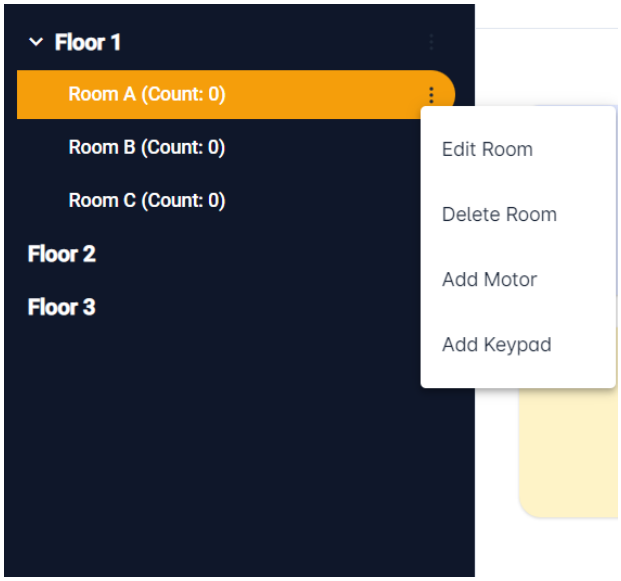
- Edit Floor: To edit Floor Name
- Delete Floor: To remove a floor from the Floor Map. All SDN devices attached to Floor, go to unassigned devices in Device Map when a Floor is deleted
- Add Room: To add Room into selected Floor

4.5.2. Room Options

- Edit Room: To edit Room Name
- Delete Room: To remove Room from Floor Map. All SDN devices attached to Room go to unassigned devices in Device Map when Room is deleted

4.5.3. SDN Device options

- Edit: To change Motor Label/ Keypad Name
- Delete: Delete device from floor plan, goes to unassigned devices in Device Map
- Double-click on device name to change the Motor Label or Keypad Name

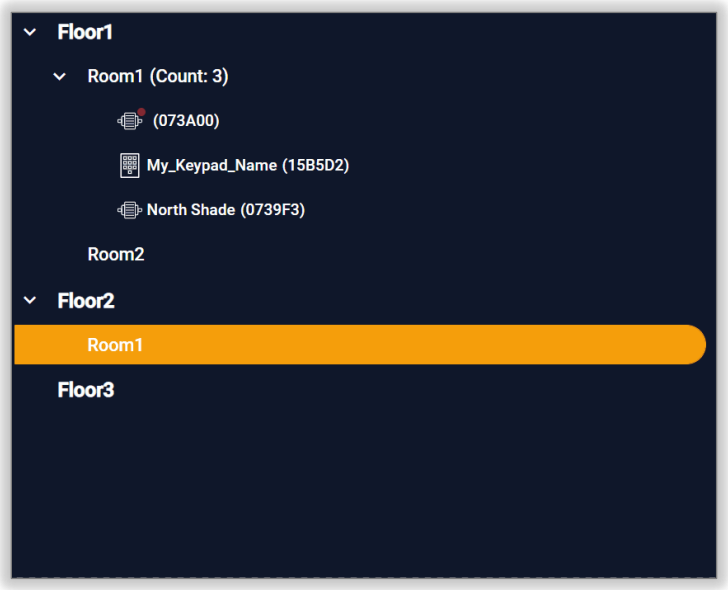


Add SDN devices to any room by drag and drop from Device Map.

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

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

Drag & Drop Floor/Room to rearrange order.

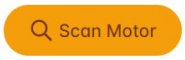


5. Device Map

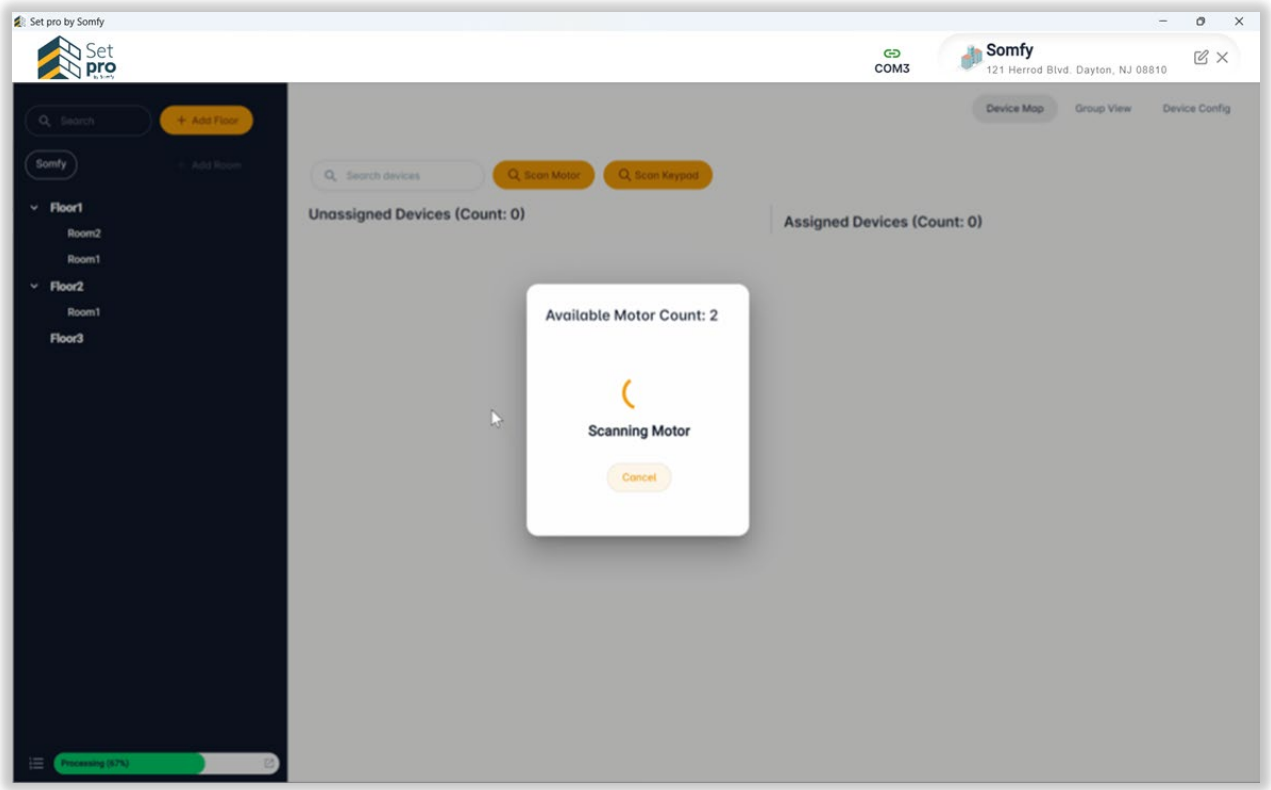
Device Map lists all devices in the project. From Device Map view user can discover SDN devices,

5.1. Discover SDN Devices

5.1.1. Discover SDN Motors

- Click on 

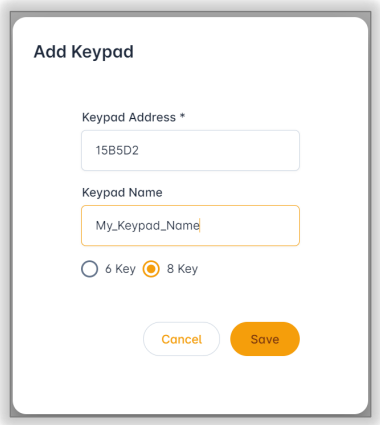
- Discovered Motor Counts will be displayed
- Once Node Discovery is finished, it will fetch NodeLabels of each motor
- After NodeLabel limit of each motor will be checked.
- User can Confirm or cancel to scan group. Group Scan will inquire groups of each motor and prepare list of group which will be available in Group View. Group scan can also be performed from Group View.
- Upon discovery completion all motors will be listed with NodeLabel and NodeID.
- Motors which are not assigned to any rooms will be displayed under unassigned devices.
- Separate collapsible list will be displayed for each motor type (ST30, ST50, etc.). Only NodeID will be displayed for motors without NodeLabel
- Motors without limits set will be displayed with a flashing red dot over it.



5.1.2. Discover Keypad

- Click on

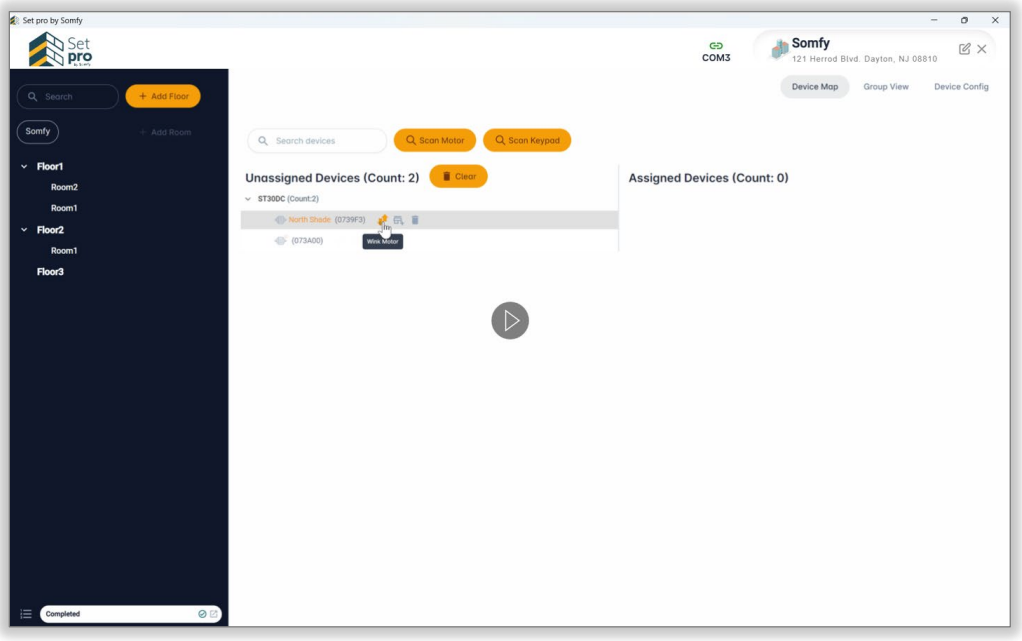
- A prompt will be open if user wants to stop discovery
- Locate the physical keypad and press buttons 7 & 8 together(Arrow buttons)
- The Keypad will be discovered and a prompt with the KeypadID will be displayed



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

5.2. Identify Motor

- Unassigned motors always have the wink option available when hovering over the motors
- Once clicked, the wink option will be highlighted, and the motor will wink for 5 minutes
- Stop winking by pressing highlighted wink icon again or it will automatically stop winking after 5 minutes



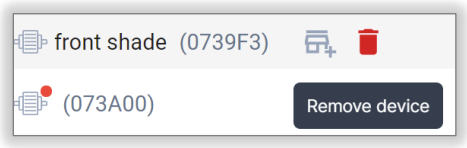
5.3. Search SDN Devices

- Search any device by NodeID or NodeLabel

5.4. Clear Unassigned Discovered Devices

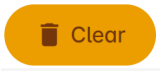
- Only unassigned devices can be cleared from the list.

5.4.1. Clear Individual Device



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

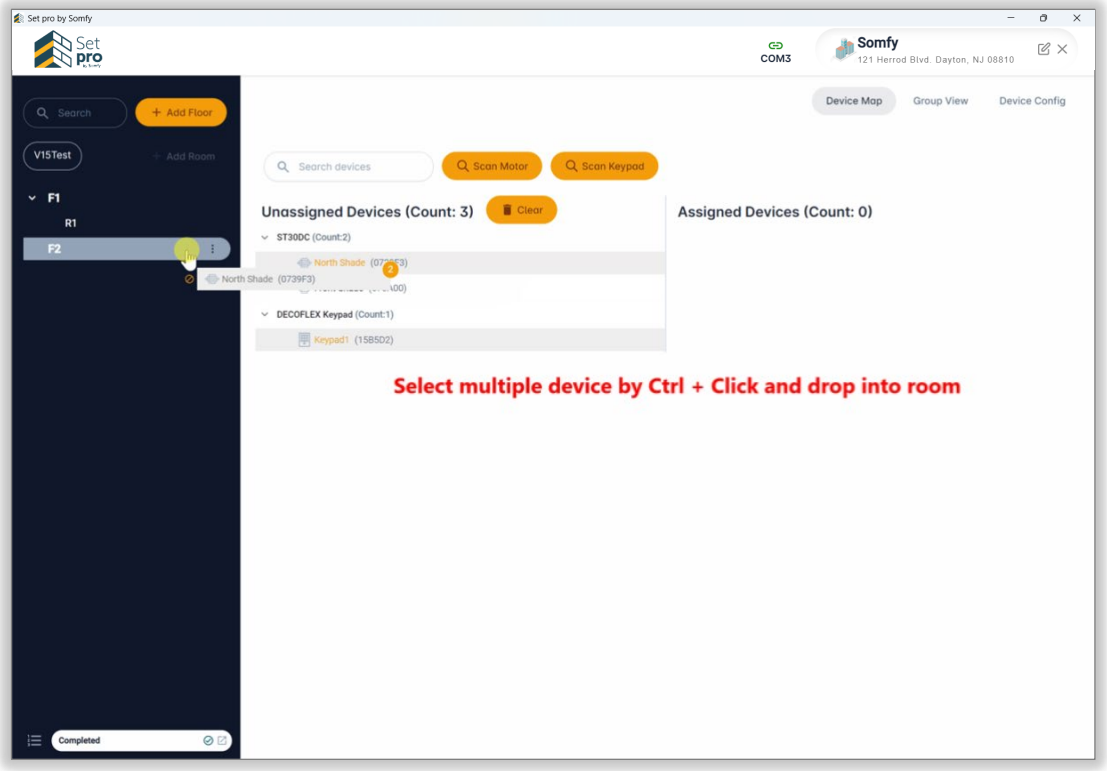
5.4.2. Clear All Unassigned Devices

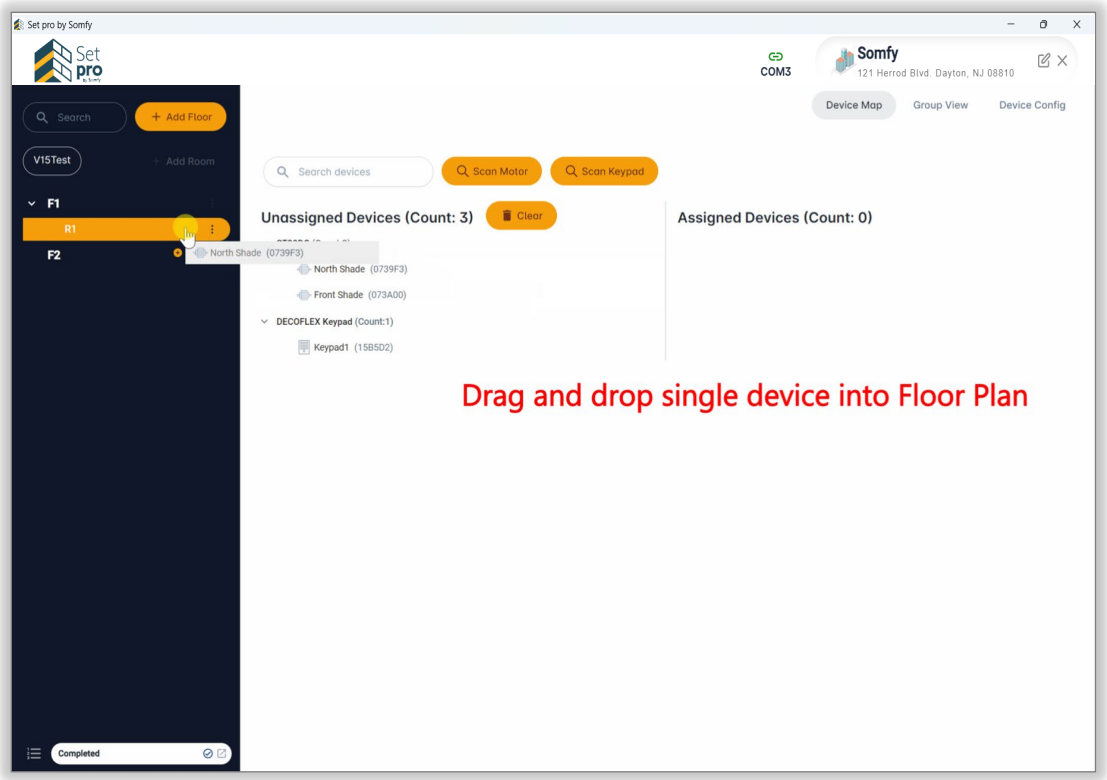
- Click on  to remove all discovered devices which are unassigned

5.5. Assign Devices in Room

Drag & Drop option:

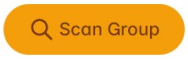
- Select multiple devices by Ctrl + click. Use Shift + arrow keys for listed devices
- Use Ctrl + A to select all listed devices
- Drag selected devices to desired room and drop it
- Devices cannot be dropped onto floors
- Once assigned to a room, devices will appear in assigned devices list




Set pro by Somfy
Set pro
COM3
Somfy
121 Herrod Blvd. Dayton, NJ 08810
Search
Add Floor
V15Test
Add Room
F1
R1
F2
Device Map
Group View
Device Config
Search devices
Scan Motor
Scan Keypad
Unassigned Devices (Count: 3)
Clear
Assigned Devices (Count: 0)
North Shade (0739F3)
North Shade (0739F3)
Front Shade (073A00)
DECOFLEX Keypad (Count:1)
Keypad1 (15B5D2)
Drag and drop single device into Floor Plan
Completed

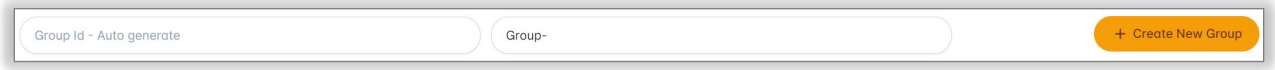
Group View

5.6. Create Group Map

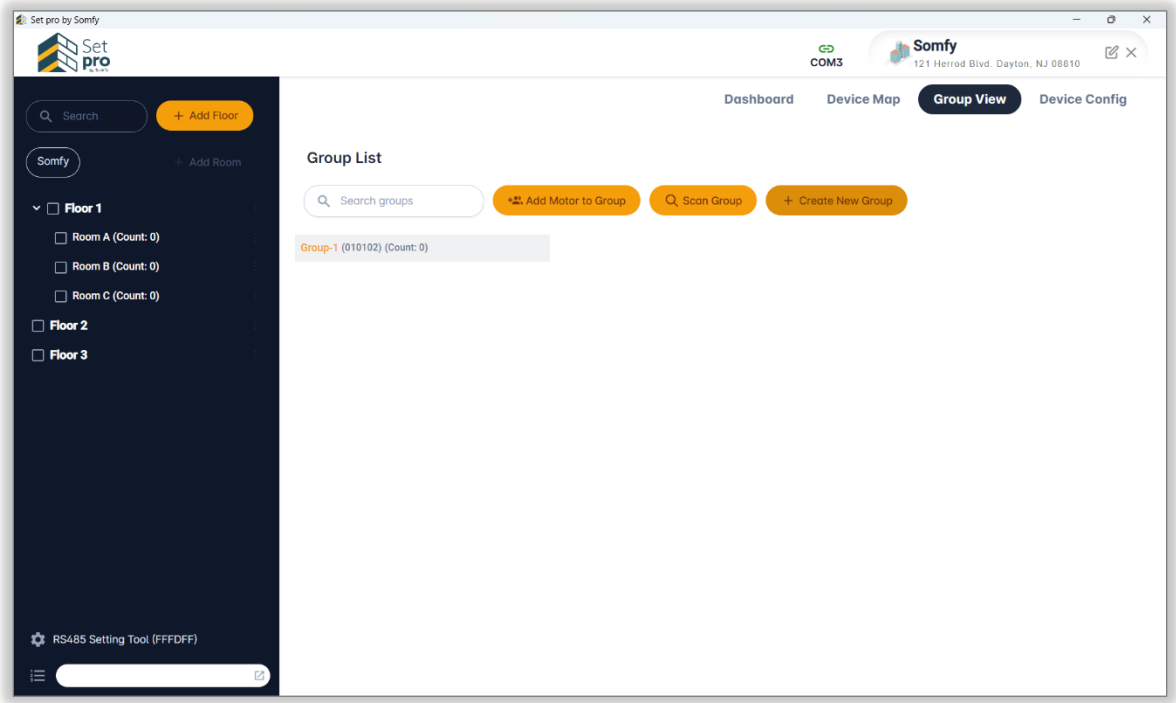
- Click on 

to create group Map of all discovered motors.
- All group will be listed along with collapsible menu list with motor in the group and count of motors in the group
- Group names are generated from GroupID. Group Name can be changed in software by double-clicking on it.
  NOTE: Group name is for user reference only, Group Name is not stored in the motor

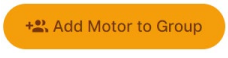
5.7. Create New Group



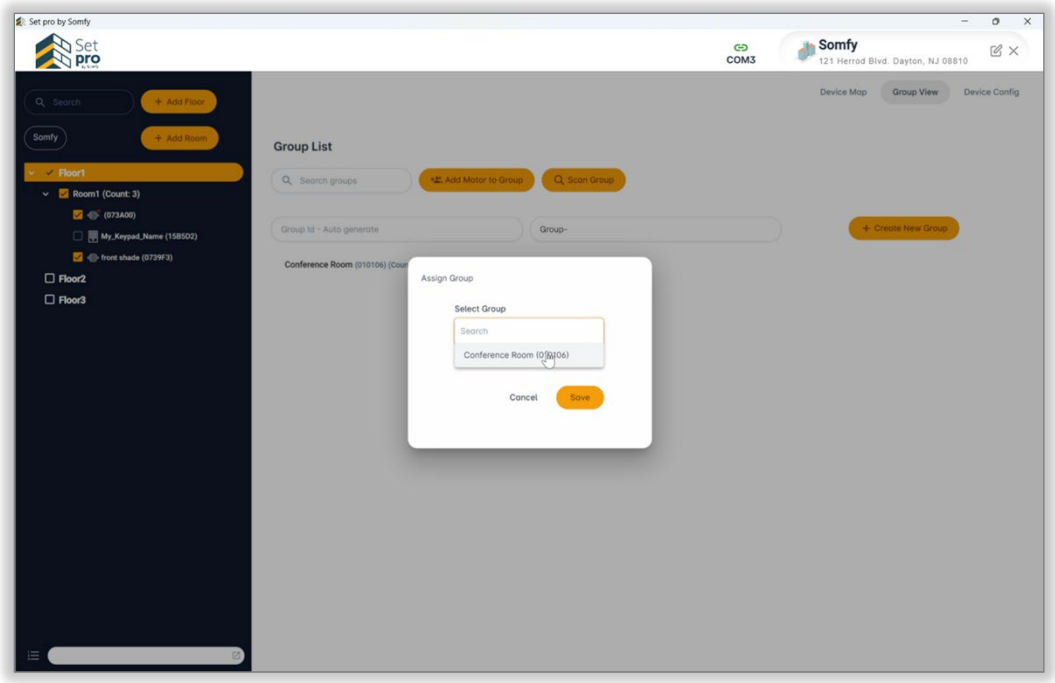
- Group ID is generated automatically if user do not edit GroupID field
- Edit the desired group name in Group Name field and click on "+ Create New Group" button



5.8. Assign Motors to Group

- Select motors by checking boxes besides motors. Select Floor/Room to move all motors within that Floor/Room into group.
- Click 

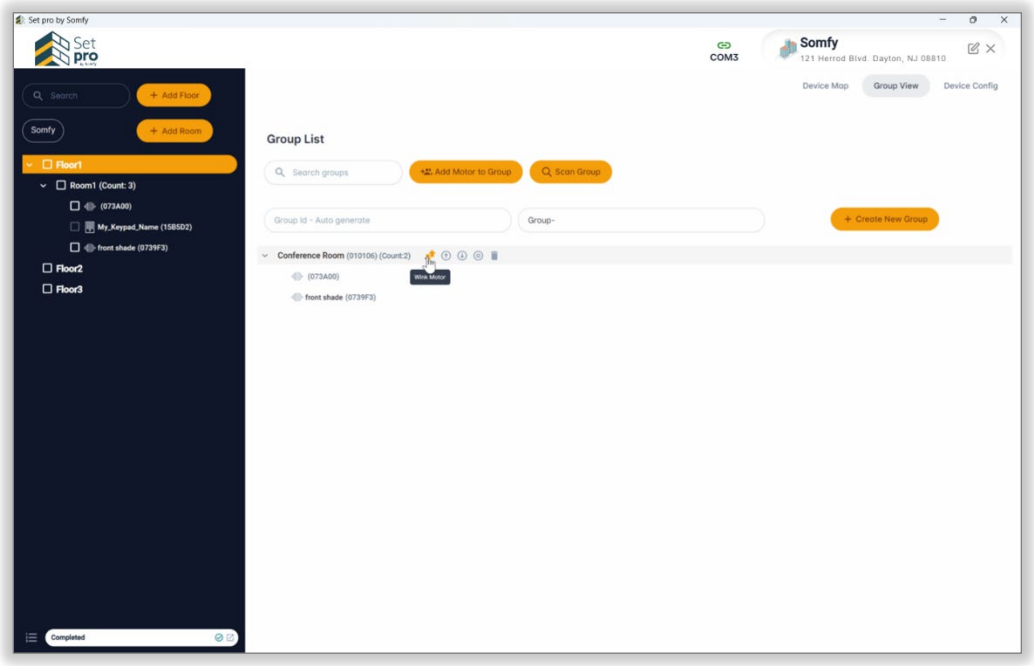
- Select the appropriate group from drop down list from the popup window
- Click "Save"



5.9. Group Operations

Following operations can be done group 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

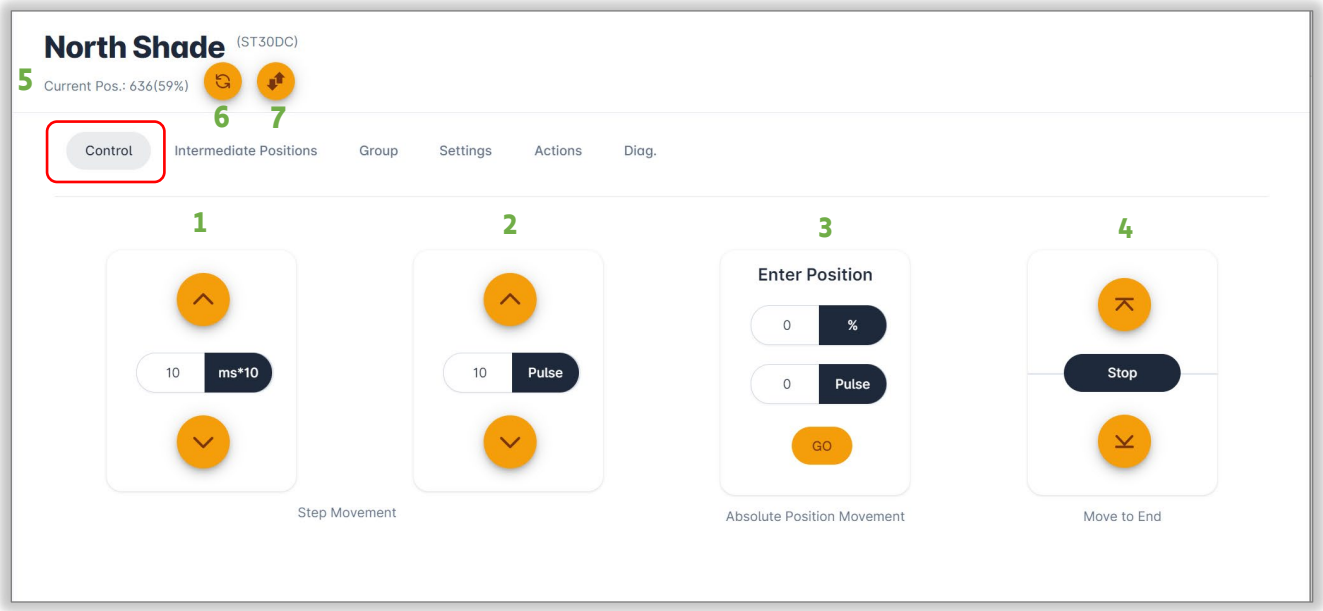
Select the appropriate device from the Floor Plan View.

Device config menu for selected device will appear in tabbed view.

6.2. Motor Config Options

6.2.1. Control Tab

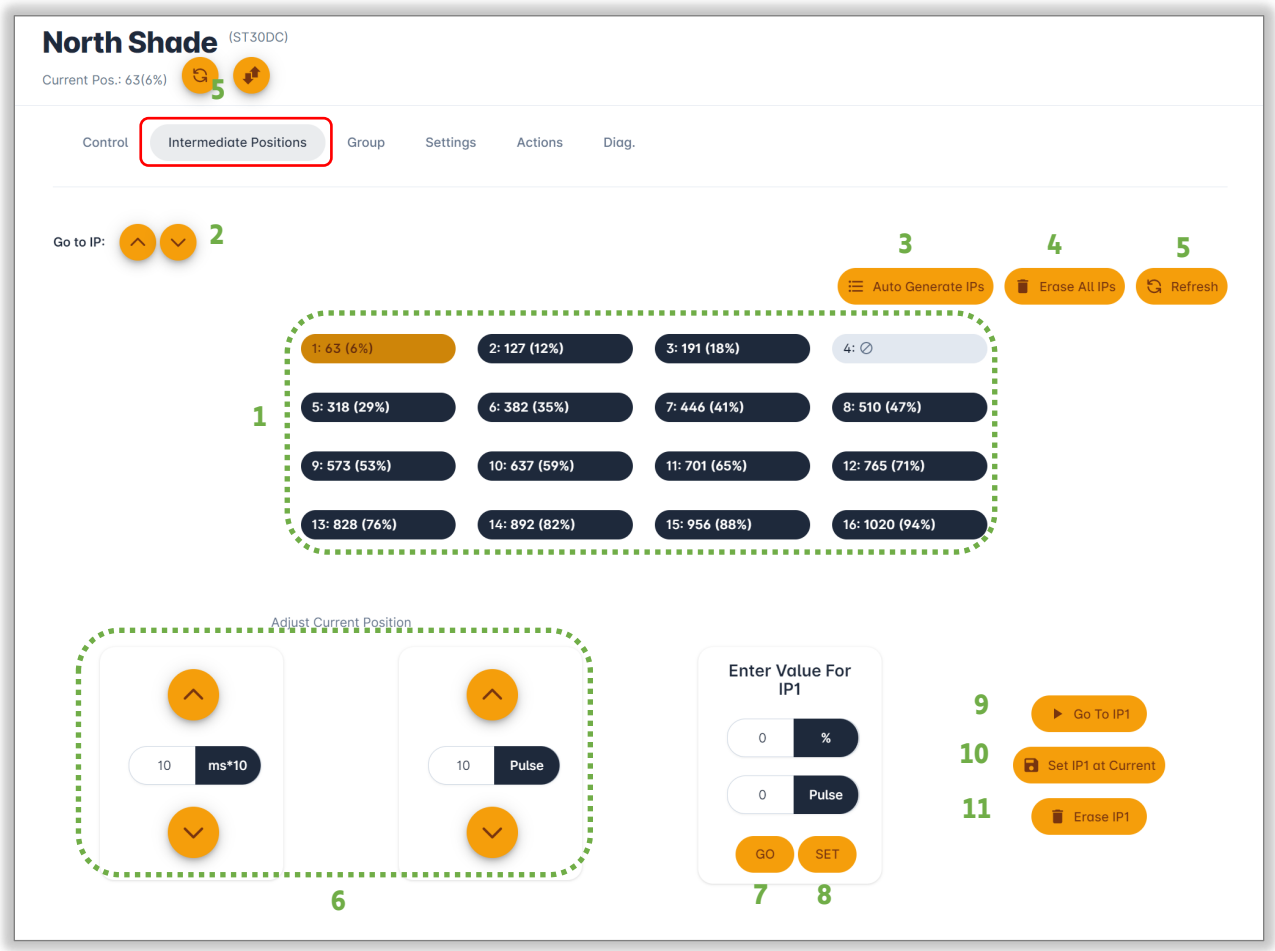
Simple Motor Movements



1. UP/DOWN Movement by milli second*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)

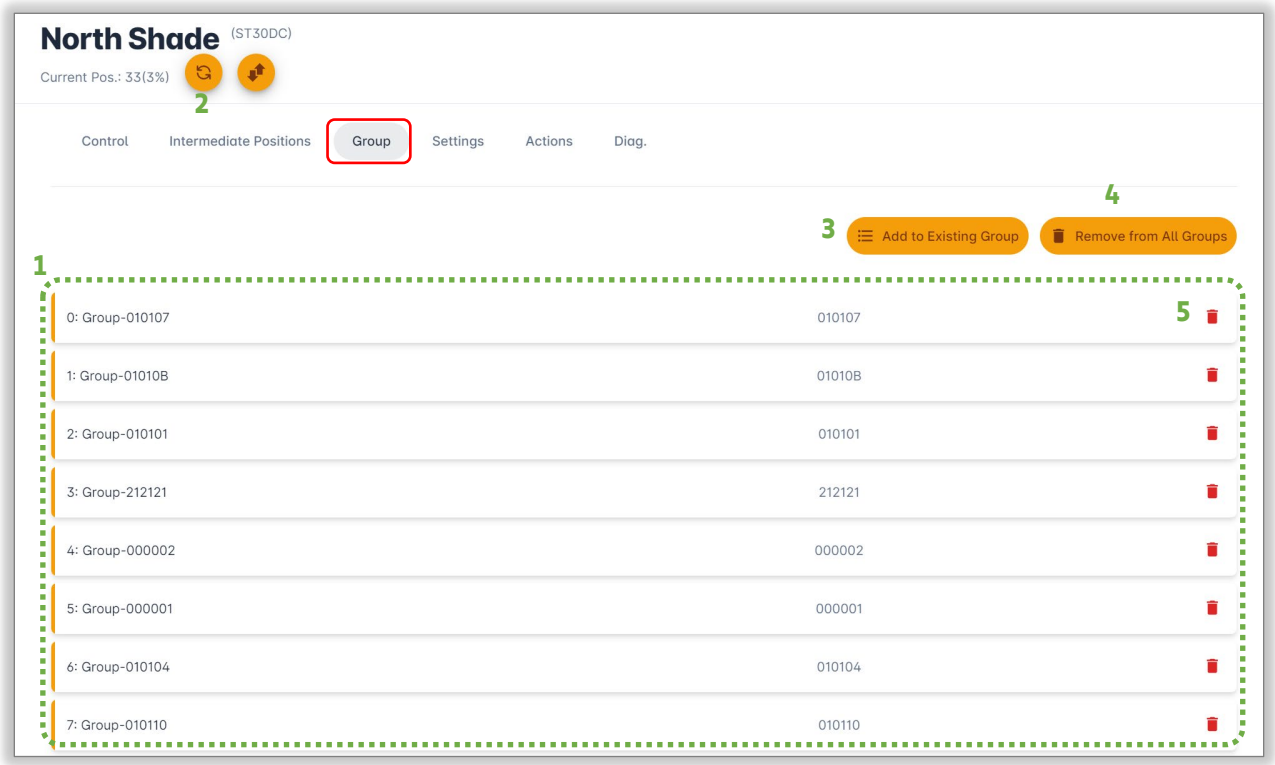
View Intermediate Position, Click on IP to go to Intermediate Position, Erase All IPs, Autogenerate IP (1-16), Set IP @current, Set IP @fixed position/pulse, Erase individual IP



1. List of Intermediate positions: Click to go to Intermediate Position. Click to select IP.
   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. Adjustment to 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

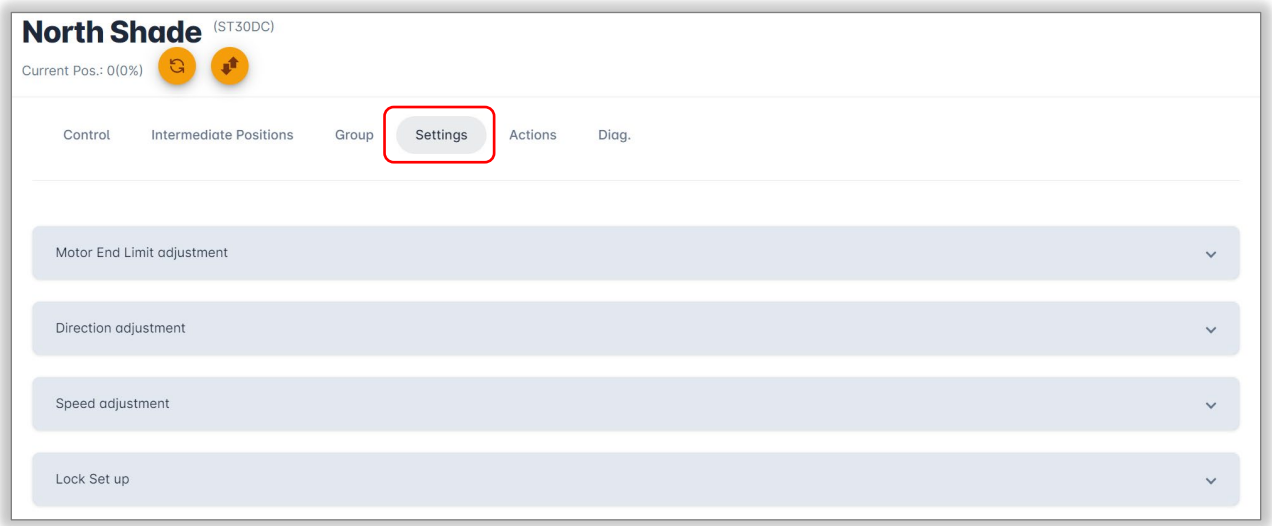
6.2.3. Motor Group

List Groups with Group Name, delete group, delete all groups, add motor to a group



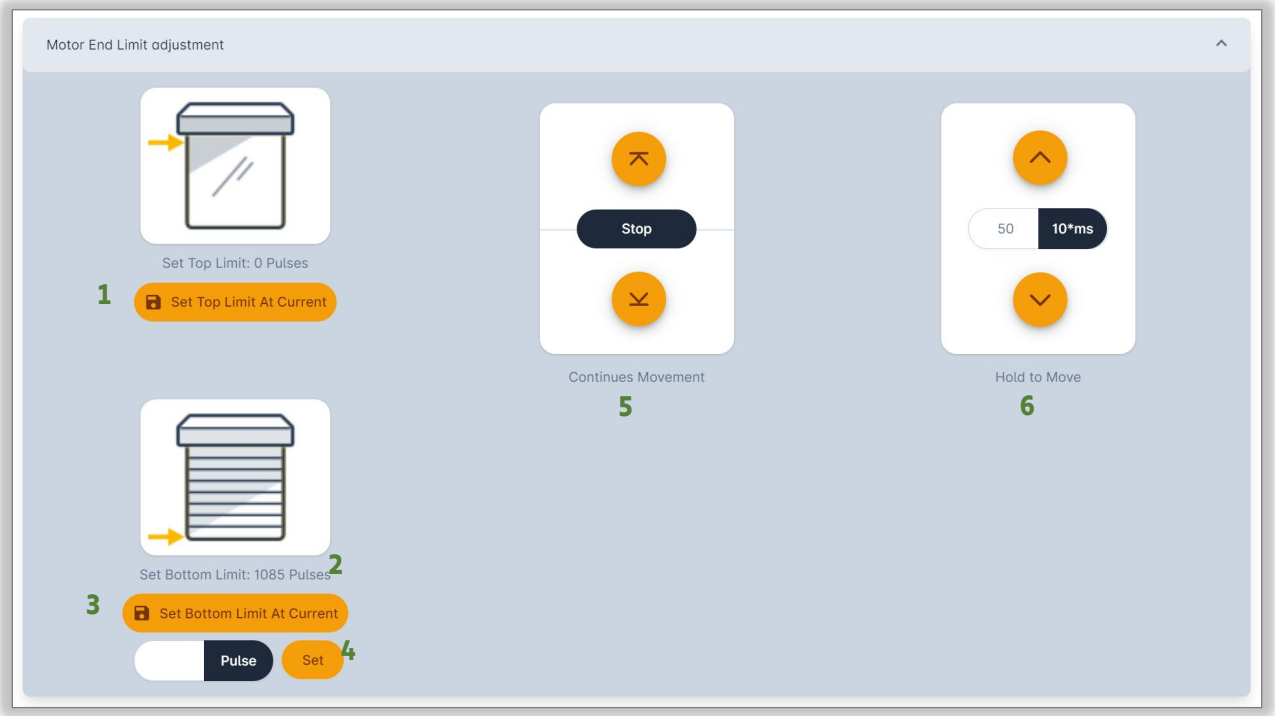
1. List of current motor Groups
2. Update list of Groups
3. Add motor to existing group (Group list is available in Group View tab).
   NOTE: New group cannot be created here.
4. Remove motor from all groups
5. Remove individual group

6.2.4. Motor Settings



1. Expand/Collapse the desired setting option

6.2.4.1. Motor End Limit adjustment

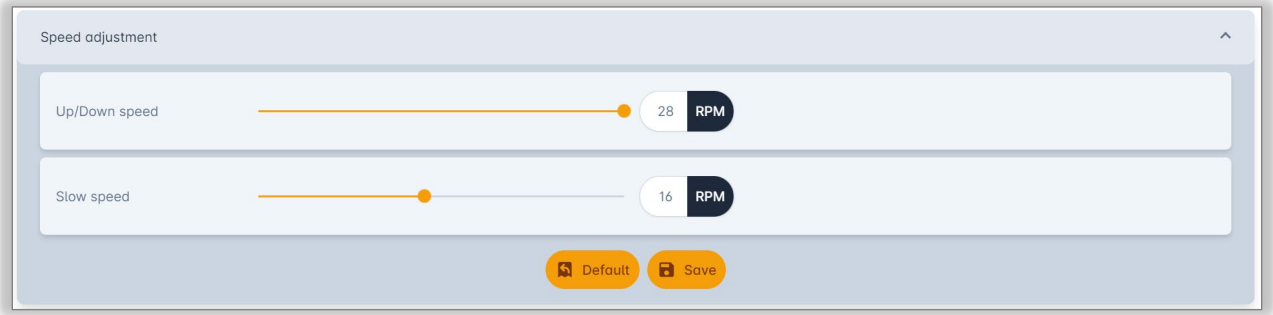


1. Set Top limit @current motor position
2. Pulse count of current end limit
3. Set Bottom limit @current motor position
4. Set Bottom limit @pulse count provided in text box
5. Go to UP/DOWN limit
6. Move motor beyond limits. Hold UP/DOWN to move, release to stop movement.

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 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

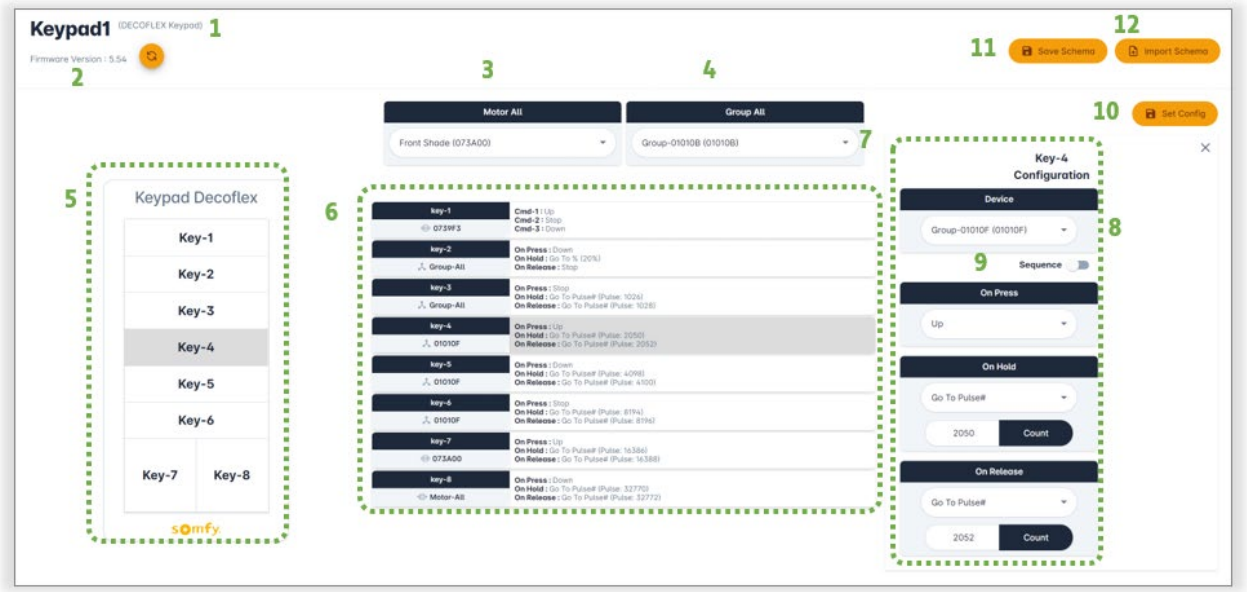
Click to check motor firmware version, Wink to get visual feedback or reset motor to factory default motor settings.

6.2.6. Diag

Click to retrieve diagnostic information from motor

6.3. Keypad Configuration

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

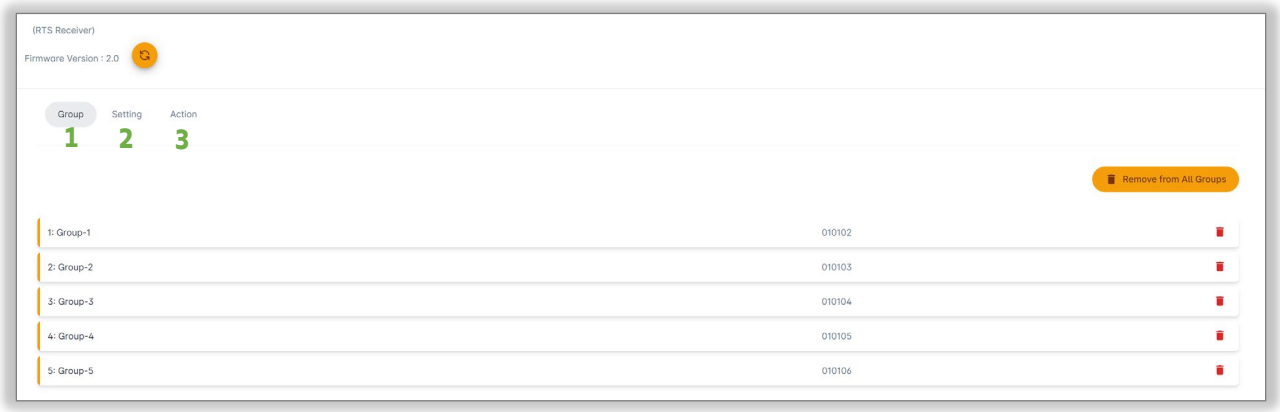


1. Keypad Name (Not stored in keypad, for project reference only)
2. Keypad Firmware Version
3. Motor All option device selection
4. Group All option group selection
5. Keypad View: Press on keypad button to open key configuration options
6. Key settings for the selected Key
7. Selected Key Configuration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

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

6.4. RTS Receiver Configuration

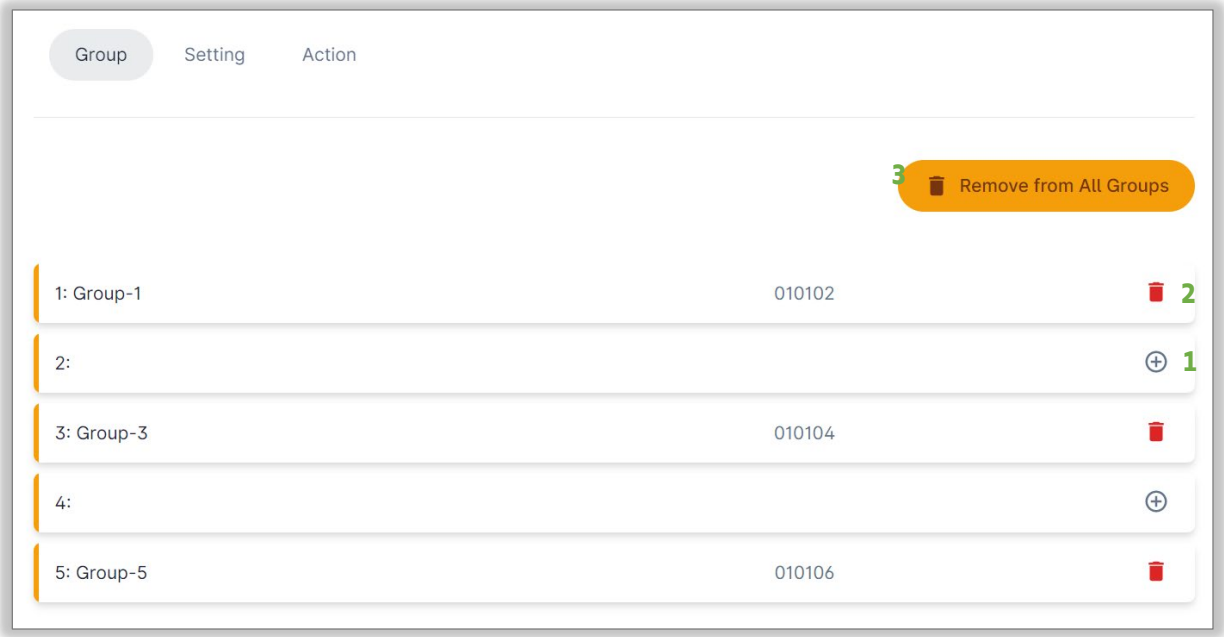
Device Config Tab, then select desired RTS Receiver from Floor Plan View.
RTS Receiver options will appear in the Tabbed View.



There are three tabs to the RTS Receiver Configuration menu:

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

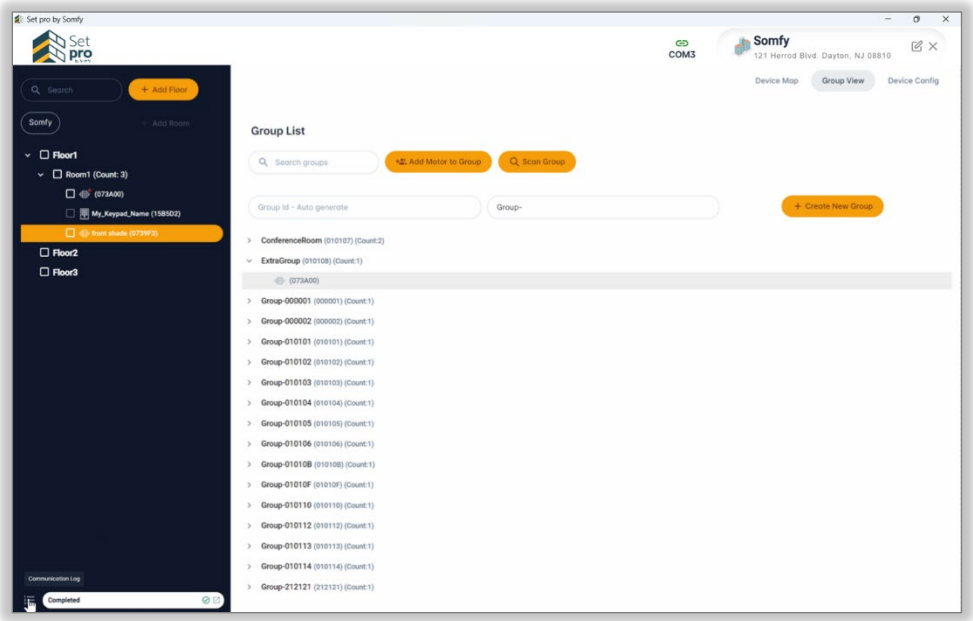
6.4.1 Group Operations



1. Click the ⊕ icon to add group on specific position
2. Click the 🗑 icon to delete group on specific position
3. Remove all groups from RTS Receiver

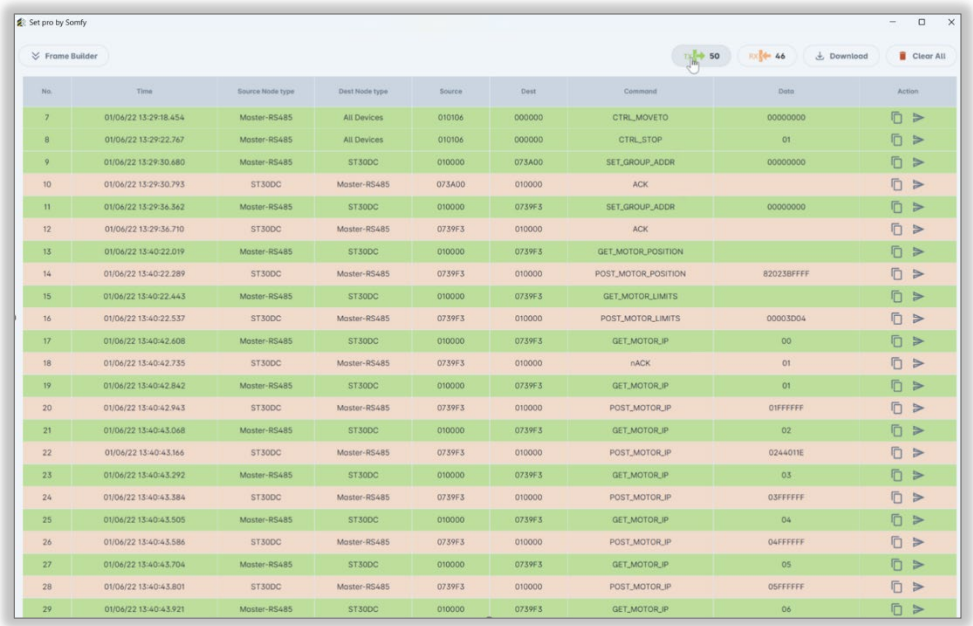
7. Communication Log

7.1. Open Communication Log



7.2. Communication Log features

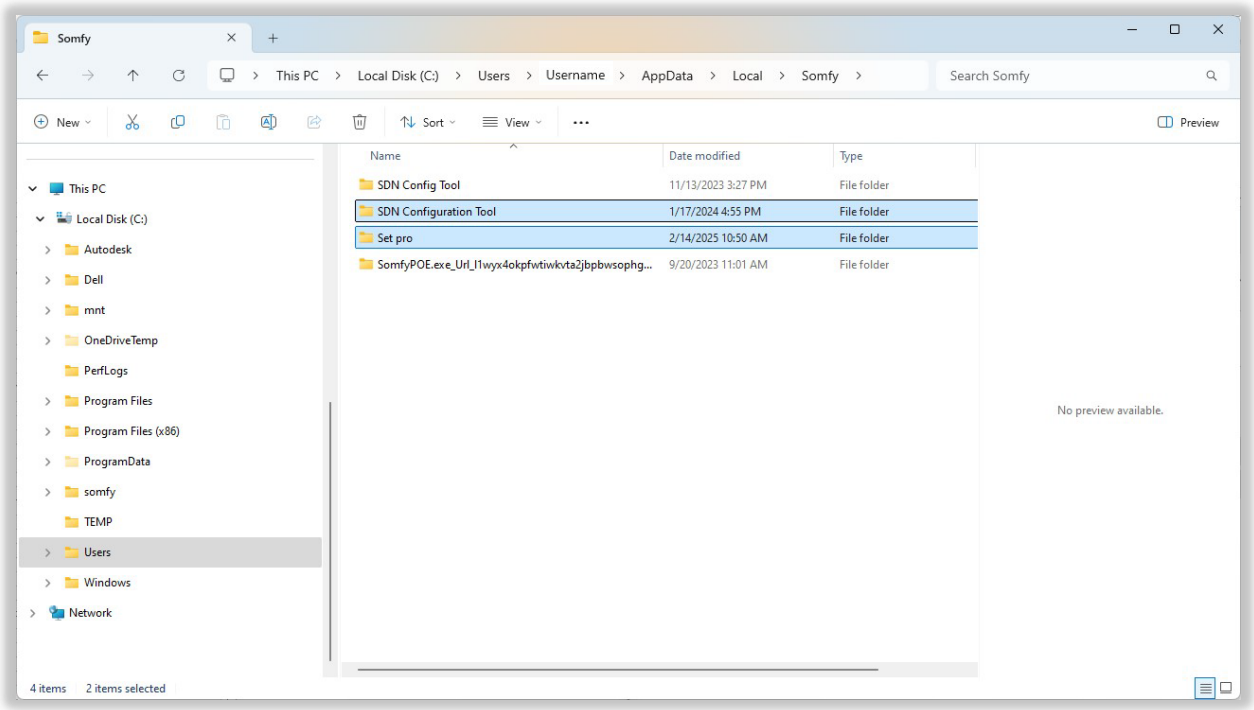
- Copy SDN string
- Send SDN string from Communication Log
- Filter TX/RX Messages
- Download Log in Excel format
- Clear Communication Log



APPENDIX

[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



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