

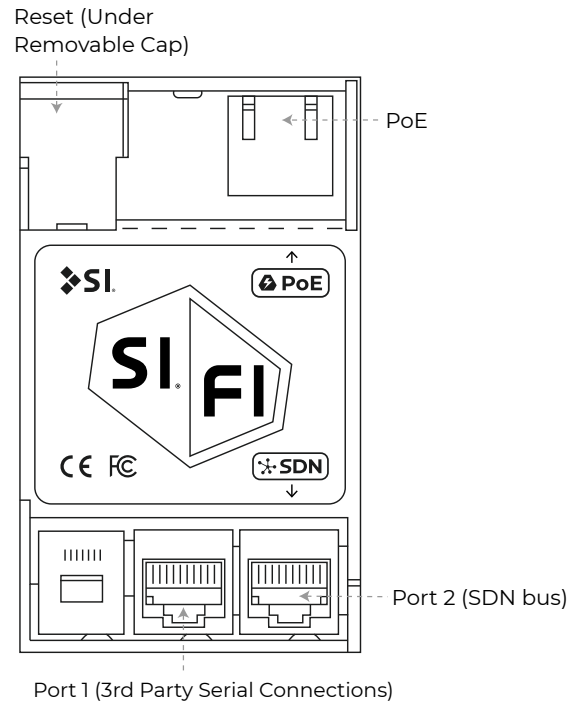
# SI.FI Quick Start Guide



## COMPLIANCE STATEMENTS

### ICES

- a. This Class B digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe B est conforme à la norme NNB-003 du Canada.



## SYSTEM REQUIREMENTS

### 1. Computer/tablet/mobile requirements

- a. PC running Windows 7 or higher  
b. Chrome 59.0.3071 or higher

**\*\*After SI.FI firmware upgrades and motor commissioning is completed with a compatible PC, a mobile device may be used to control the motors.\*\***

### 2. Power requirements (use one of the following):

- a. PoE provided by a PoE switch plugged in to the ethernet port of the SI.FI.  
b. 24v DC to port 1 via the provided passive PoE injector.

**\*\*Port 1 of the SI.FI can not take more than 24v DC. Any voltage higher than 24v DC supplied to port 1 may cause irreparable damage to the unit.\*\***

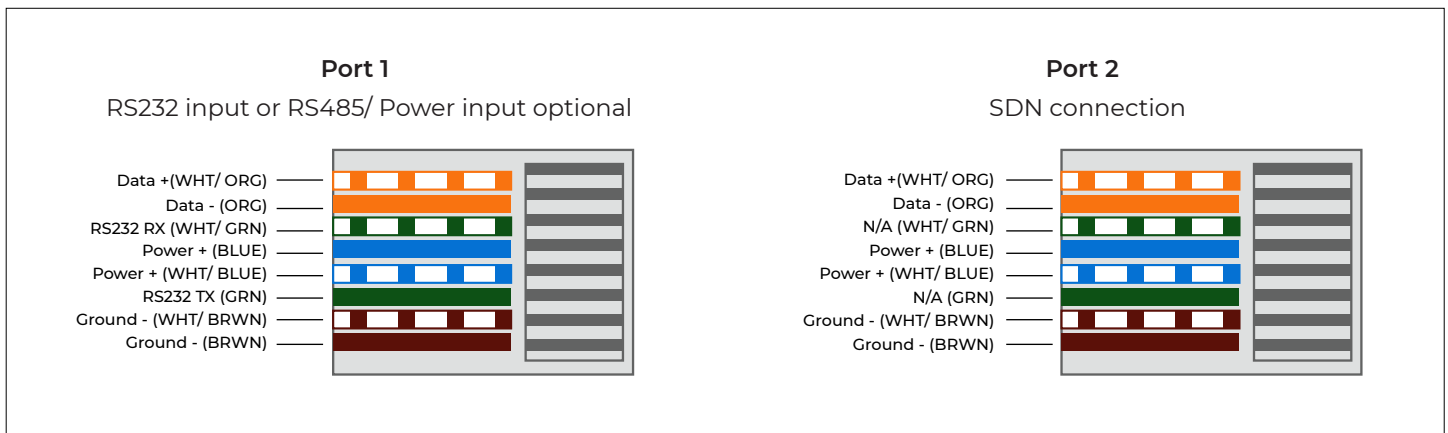
### 3. Network requirements

- a. Use 22-24 AWG CAT5 (or higher) interconnect wires with a maximum length of 328 ft. (100m).  
b. An active internet connection for firmware upgrades  
i. Accessing a SI.FI remotely requires port forwarding on the site's network.

### 4. SDN requirements

- a. Prepare SDN communication wire (CAT5e or higher) with RJ-45 TIA 568B connectors on each end using the standard SDN pinout.  
b. All SDN system components properly installed.  
c. An optional device port or connection to a Somfy Bus Line.

## CABLE PINOUTS



## SETUP

\* NOTE: For IP addressing options please reference the SDN/SI.FI programming guide on our website.

### \* Mount

- Mount unit using included DIN rail if desired.  
Extend one of the two DIN mounting ears with a small screwdriver to allow the device to snap onto the DIN rail.

### \* Connect

- Connect SDN communication wire to Port 2 of the SI.FI and an open device port on the SDN system.

\* NOTE: Wire length must not exceed 900 ft. to a BUS IN port. For distances longer than 900 ft. connect to a Somfy Data Hub Plus (#1860263)

- Connect ethernet cable to the ethernet port of the SI.FI and to an available ethernet port on the site's router or network switch.
- SI.FI powered via PoE, and provides a maximum of 40 SDN power units when configured this way without a bus power supply.

\* NOTE: Please contact Screen Innovations if you are interested in Zigbee or WiFi connectivity for your SI.FI devices by adding one of our Zigbee or WiFi enabling cards to your unit.

\* Wire length must not exceed 328 ft. (100m) between SI.FI and a port on a network switch.

\* NOTE: For IP addressing options please reference the SDN/SI.FI programming guide on our website.

### \* Install latest SI.FI firmware

- NOTE: Firmware updates require an active internet connection.
- Connect your Windows PC to the same network as the SI.FI. Open Windows Explorer and click on the "Network" dropdown on the left.
- Click on the SI.FI icon.
- Double click on the SI.FI logo and enter the password.
  - \* Default password: ADMIN (password is case sensitive)
- Click "Update" and follow the on-screen instructions.
  - \* NOTE: Your SI.FI will reboot after the firmware update is complete. Return to the home screen before continuing.

\* Motor test:

- Before commissioning your motors, you should test the operation of the network (all motors should have limits set). Select troubleshoot from the menu. Select either the up or down arrow. All motors on the system should move to either the upper or lower limit. If a motor(s) did not move, you may have to check the wiring to insure it has proper communication and power.

\* Commission SDN motors:

- Select the "Motors" tab and click the Spyglass icon to discover all SDN motors on the network.
- Select the motor you wish to commission and set the label and intermediate positions.  
Repeat steps for each motor on the system (for a step-by-step walkthrough of this process please reference our SDN/SLFI programming guide on our website).
- Confirm proper motor operation using virtual keypads on the SLFI home screen.

\* Assign motors to groups

- Click on the "Groups" tab and then the "Add" button.
- Name the Group, then click and drag the group name to one or more of the groups columns for each of the previously labeled motors.
  - \* NOTE: All motors must be assigned to at least one group. Each motor can belong to up to 16 groups.

\* Your SDN motorized products are now fully programmed and ready for control from;

- Third-party systems
  - \* Connect to third-party controller via IP (refer to the full SDN/SLFI programming guide on our website for more information about integration reports).
- Somfy controls
  - \* Using Somfy software tools available for download on Somfy's website.
  - \* Add DecoFlex SDN keypads or RTS receivers to the SDN system to complete a stand-alone SDN solution.
- PC or Mobile device
  - \* Enter the SLFI's IP address into a chrome browser window to access.

## OPTIONAL Wifi card installation

- Ensure to disconnect all cables including power.
- Use a small flat headed screw driver and wedge it between the tab and the top hinged lid.
- Open top lid of Sifi to expose wireless expansion slot.
- Carefully slide Wifi card to slot ensuring all pins are seated.
- You can close the top hinged lid.
- Reconnect connections including POE.
- Using a windows computer, open file explorer and search the network tab to see available PnP devices.
- Double click on icon called E-node to bring up webpage.
- On the home page, click the hamburger menu, to bring up the log in.
- The default password is "Admin"
- On the left of the settings, there is a list of properties.
- Click on wireless.
- This brings up a new page, right click on the data field next to the SSID.
- That will show all available access points within range.
- Select the desired network to join and enter the credentials.
- Reset the Sifi, to enable the wireless connection.
- This can be done remotely over PoE, or you can just unplug and plug in back the PoE.

**Contact SI Customer Support for more help at 512.8326939.**