

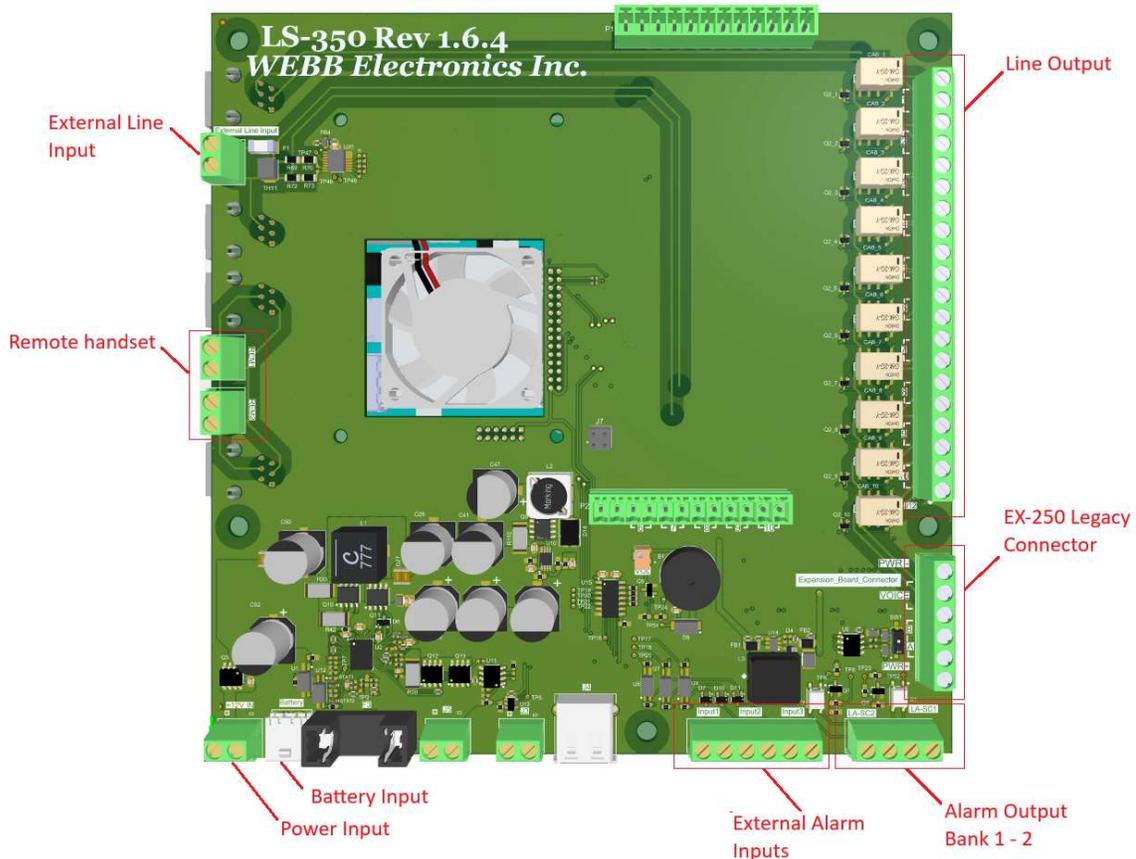
LS-350 Installation Guide

The LS-350 is the next generation of Webb Electronics Lobby stations. It's the direct replacement for both the LS-250 and LS-100ML. It comes in two different versions:

- **LS-350-01:** Single incoming line lobby station able to serve up to 10 elevator Cabs.
 - **LS-350-10:** Multiple incoming lines lobby station able to serve up to 10 elevator cabs.
- Note: Both models are compatible with the expansion board EX-350 to allow for extra 10 cabs per unit.

This guide provides Information on how to setup both versions of the LS-350.

1. System setup



(Figure 1 – LS-350 overview)

- **Connect Incoming Phone Line**
 - **LS-350-01**

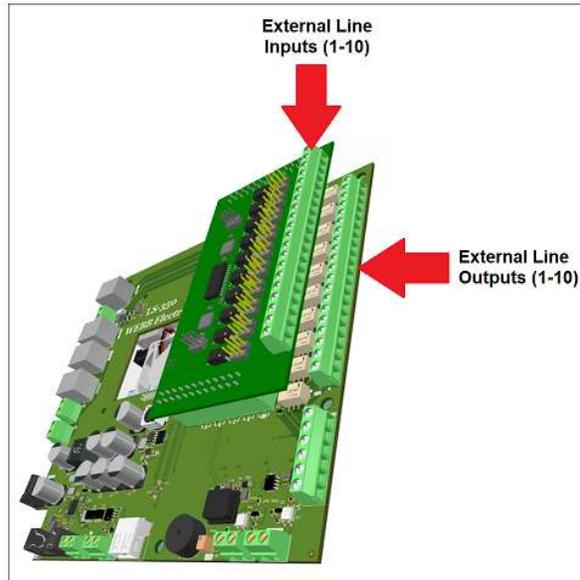
Once the LS-350-01 is in place, connect the incoming phone line to the External Line terminal block on the top left. (See figure 1 for reference).

Note:

For the LS-350 Rev 1.6.4 the external line should be connected to the RJ11 mount box provided.

○ LS-350-10

Instead of having the External phone line connected to the regular line input, connect the incoming phone lines to the terminal blocks located on the daughter board attached to the LS-350 on the left.



(Figure 2 – LS-350-10 Line input)

● Power LS-350

Power Supply: The LS-350 comes with 48VDC Power Supply. Connect it to the Step-down input. It'll feed 12VDC to the LS-350 board.

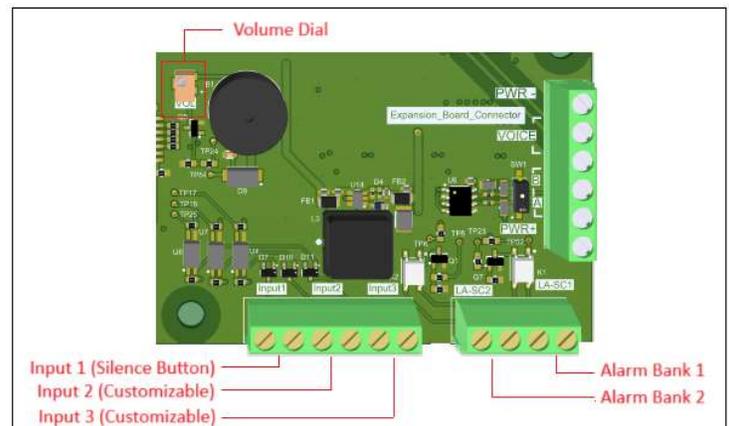
Battery: Connect the 12VDC battery on the Battery input (*Refer to figure 1 for reference*).

● Alarm connections

The alarm connections are located on the bottom right of the LS-350 (*use fig 3 as reference*).

If the line monitoring alarm is triggered, an alarm prompt will be displayed on the LS-350 screen showing what cab is under alarm and its buzzer will turn on.

- Check the buzzer volume, adjust it to a proper level with the grey trimmer to the left of the buzzer.



(Figure 3 – Alarm Connections)

○ Alarm Outputs

The LS-350 has line monitoring built in and it's able to provide alarm signals for up to 2 elevator banks. To connect to external Alarm Panels or Hall stations use the dry-contact outputs on the bottom right. (See information on how to set up the alarms on page 04).

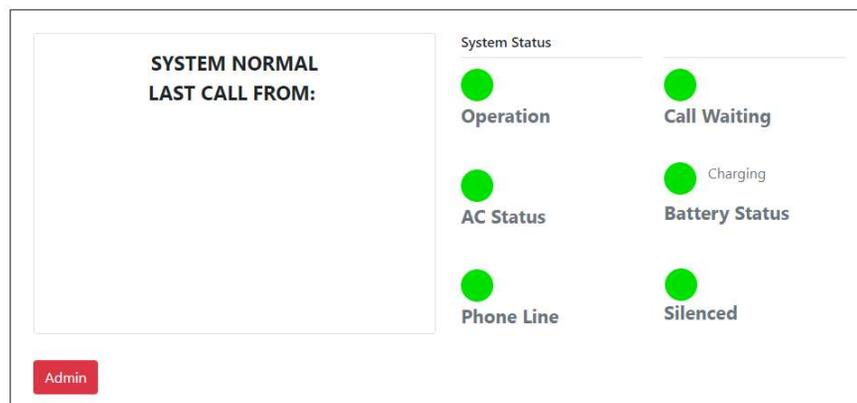
○ Alarm Inputs

When more than two elevator banks are required, an external line monitoring module will be needed (such as the LA-LS). In this case, in order to reflect the alarm coming from an external line monitoring module on the LS-350 screen, connect its output to either Input 2 or 3. (See how to configure the alarm inputs on page 05).

2. LS-350 User interface

● Home Screen

The LS-350 home screen information such as system status, last calls, and alarm information at a glance.



(Figure 4 – Status page)

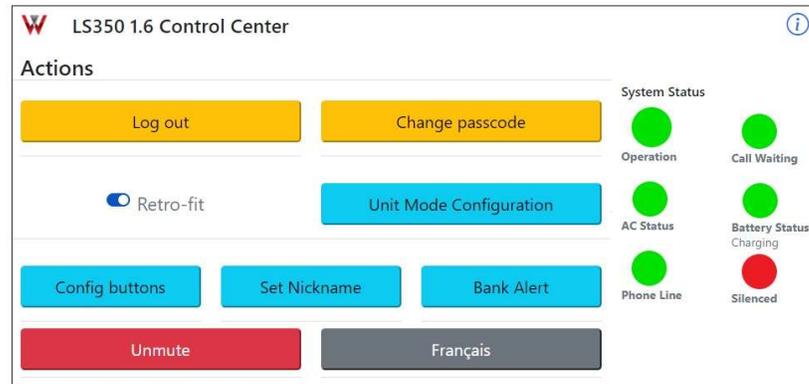
● Config Page

To access the configuration page first click on the **admin button** on the bottom left on the home screen.

The user will be prompted to enter a password. By default, it's set to 111111.

(Figure 5 – Password page)

The configuration page displays system status and allow the user to access the settings menu for the LS-350.



(Figure 6 – Configuration Page)

• Alarm Setup

1. Tap on Bank Alert to access the alarm setup page.
2. Arrange the elevator banks by moving the blue cursor to the position representing the desired elevator bank for each cab.
3. Tap on *Submit* to save the changes.



(Figure 7 – Alarm Setup)

• Customize station name

When under alarm, the LS-350 will display what stations are under alarm. By default, the stations are named *STN#1 ~STN #10*. It's possible to customize the name of each station to match the actual elevator cabs names.

- Tap on Set Nickname.
- Customize the station names as needed.
- Tap on *Submit* to save the changes.

(Figure 8 – Set Nicknames)

• Config External Alarms

The LS-350 has 350 customizable inputs. Input 1 is pre-configured as the silence button by default. Input 2 and 3 can be set as *External Alarm 1* and *External Alarm 2*. This way alarms from external devices can be reflected on the LS-350 display.

- Tap on **Config Buttons**.
- Select the customization option and tap on *Submit* to save changes.

(Figure 9 – Config Buttons)

• Choose LS-350 Mode (Only for LS-350-01)

It's possible to set the primary and secondary phone number the elevator cab phones will be dialing on the LS-350-01.

The LS-350-01 has 3 modes of operation:

- **Lobby Mode:** On this mode the cabs will call only the LS-350 and the handsets connected to its REM connectors.
 - **Split Mode:** On this mode the cabs will alternate between calling the primary phone number and the LS-350 handset.
 - **Remote mode:** On this mode the cab will call only external phone numbers. They will alternate between the primary and secondary phone numbers.
- To access this section, tap on **Select Unit Mode**.

- Select desired operation mode and enter primary and secondary phone number (Secondary phone number only on Remote mode)
- Tap on *Submit* to save changes.

Note: Under Lobby Mode the system won't allow the user to enter the primary phone number nor secondary phone number because in this case, the elevator phones are set to call the LS-350-01.

(Figure 10 – Select Unit Mode)

● Change Password

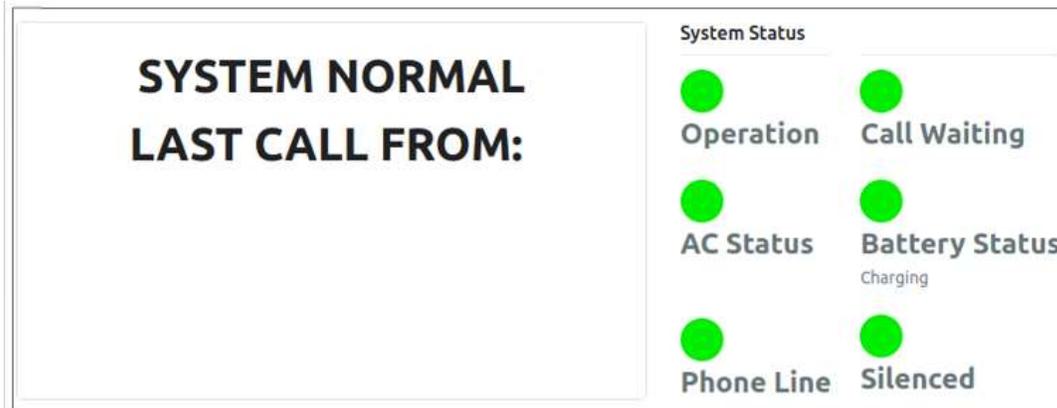
- Tap on Change password.
- Enter new password to access the LS-350 configuration UI.

(Figure 11 – Set New Password)

3. System Operation

- **Status**

The LS-350 screen displays Alarm/Call information and various status of the system. See below:



(Figure 12 – System Status)

- Operation
 - **Green** – System Idle.
 - **Yellow** – Line in use.
 - **Red** – AC not connected / External Line not connected.
- Call Waiting
 - **Green** – No cab phone is queued to place a call.
 - **Red** – One or more Cab phones on a queue to place a call using the external line.
- AC Status
 - **Green** – AC connected.
 - **Red** – AC not connected.
- Battery Status
 - **Green** – While AC is connected it display the charging status of the battery / If AC is not connected, it displays the percentage of the charge left on the battery.
 - **Red** – Battery not connected.
- Phone Line
 - **Green** – Phone line connected.
 - **Red** – Phone line not connected.
- Silence
 - **Green** – Alarm not silenced.
 - **Red** – Alarm silenced.

• Call Barging / Calling an Elevator Phone

Pick up the local handset or any of the two remote handsets and dial the extension of the Cab you want to barge in.

The line outputs for the elevator cab phones are numbered. In order to call a specific elevator, dial **X#** ("X" being the station number the elevator phone is connected to).

- STN #1 >>>>>>>>> 1#
- STN #2 >>>>>>>>> 2#
- STN #3 >>>>>>>>> 3#
- STN #4 >>>>>>>>> 4#
- STN #5 >>>>>>>>> 5#
- STN #6 >>>>>>>>> 6#
- STN #7 >>>>>>>>> 7#
- STN #8 >>>>>>>>> 8#
- STN #9 >>>>>>>>> 9#
- STN #10 >>>>>>>>> 10#

• MWP-302 Settings

Here are the recommended settings for MWP-302 when connected with a LS-350 unit:

- Function 1 and 2 - Primary / Secondary phone number
 - **LS-350-01 (Single Line)**
Since the primary and secondary phone numbers are now set on the LS-350. The elevator phones should be programmed to reach the LS-350 instead.

When deploying a LS-350 set the primary and secondary phone numbers as follows:

- Primary: 288XX
- Secondary: 289XX

XX is the station number. (i.e. 28801 and 28901 for station 1 / 28804 and 28904 for station 4).

- **LS-350-10 (Multiline)**
On an LS-350-10 deployment the elevator phones are directly connected to the external phone lines. In this case both the primary and secondary phones numbers must be set on each elevator phone.
- Function 12 – Line Monitoring: Set it to 3 (LS-350-01/LS-350-10)
- Function 13 – Lobby Station: Set it to 0 (LS-350-01/LS-350-10)