TRANS Sensor Config App USER GUIDE

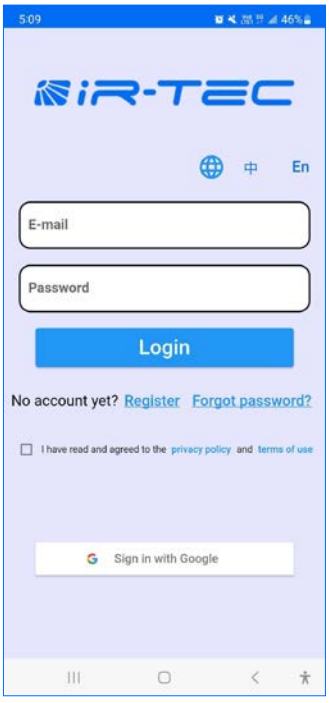
Table of Contents

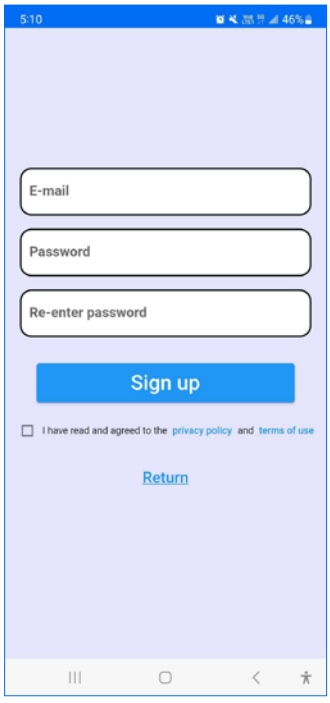
Introduction

IR-TEC's Sensor Configuration App was developed to program the Bluetooth-enabled occupancy sensors from IR-TEC. This app allows users (electrical contractors, installers, or service technicians) to conduct all sensor control settings via an iOS/Android smart phone or tablet wirelessly. Although the app operation is simple and intuitive, we recommend the first time user to read through this guide before operating.

Create and log in account

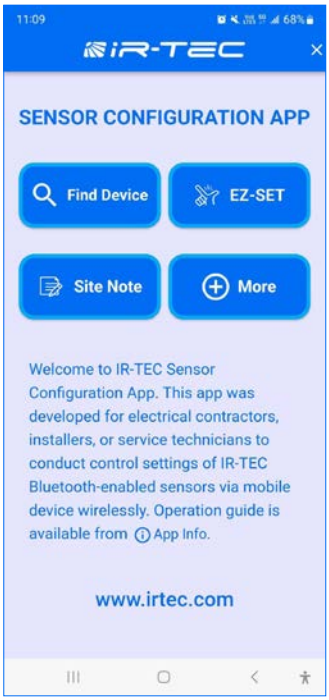
When you open the app for the first time, the app will require you to log in to use the app. If you do not have an account, you can create a new account, or sign in with Google.





Main Menu

Once you log into the app, the main menu shows four main functions:



Find Device - Find the device within Bluetooth range and allows you to manually turn on/off or dim the light controlled by the sensor, and see/configure the sensor settings.

EZ-SET - Allows you to create/edit EZ-SET profiles with a set of parameters. You can also upload the profile to one or more sensors at once.

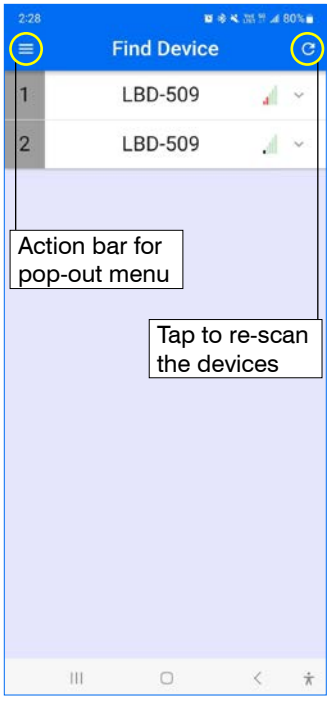
Site Note - Allows you to create/edit site notes and store important information such as site info, device installed, and service records.

More - This function allows you to access log in detail, download firmware, see app info, and set the language of the app.

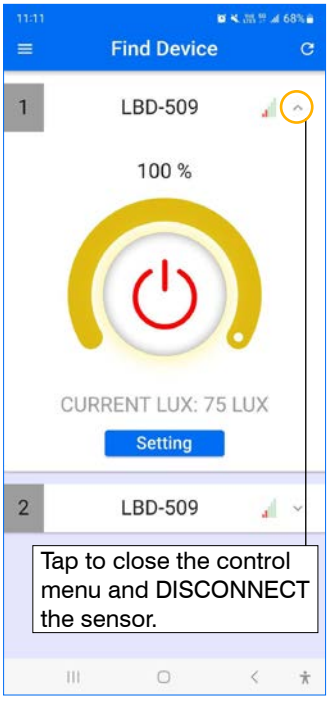
The following are three frequently used pages for sensor setting.

Device list – List of devices scanned within Bluetooth range.
Control menu – Allows you to manually turn on/off or dim the light controlled by the sensor.
Setting menu – Displays all setting items and parameters of the sensor connected.

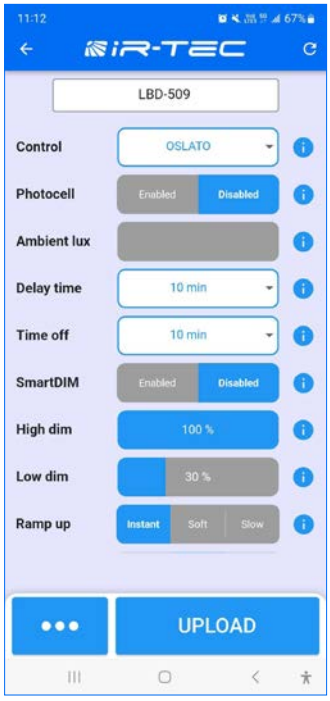
Device list



Control menu



Setting menu

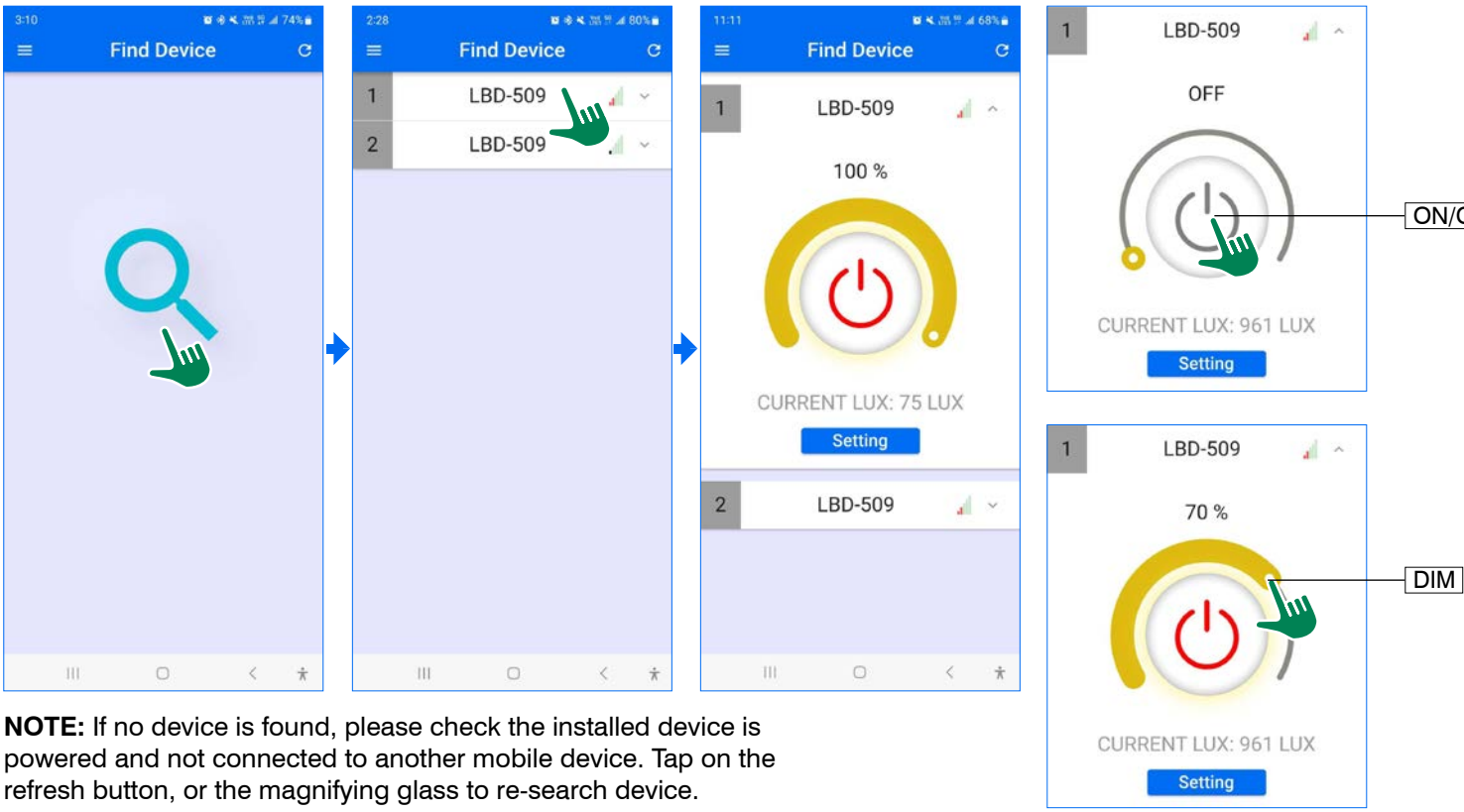


NOTE:
The sensors can be configured by multiple mobile devices simultaneously. However, to avoid interference, we recommend categorizing the sensors into different zones for different persons to configure. Please note that a sensor can only be configured if it is connected to your mobile device.

Sensor Set-up Instructions

1. Locate and connect the sensors

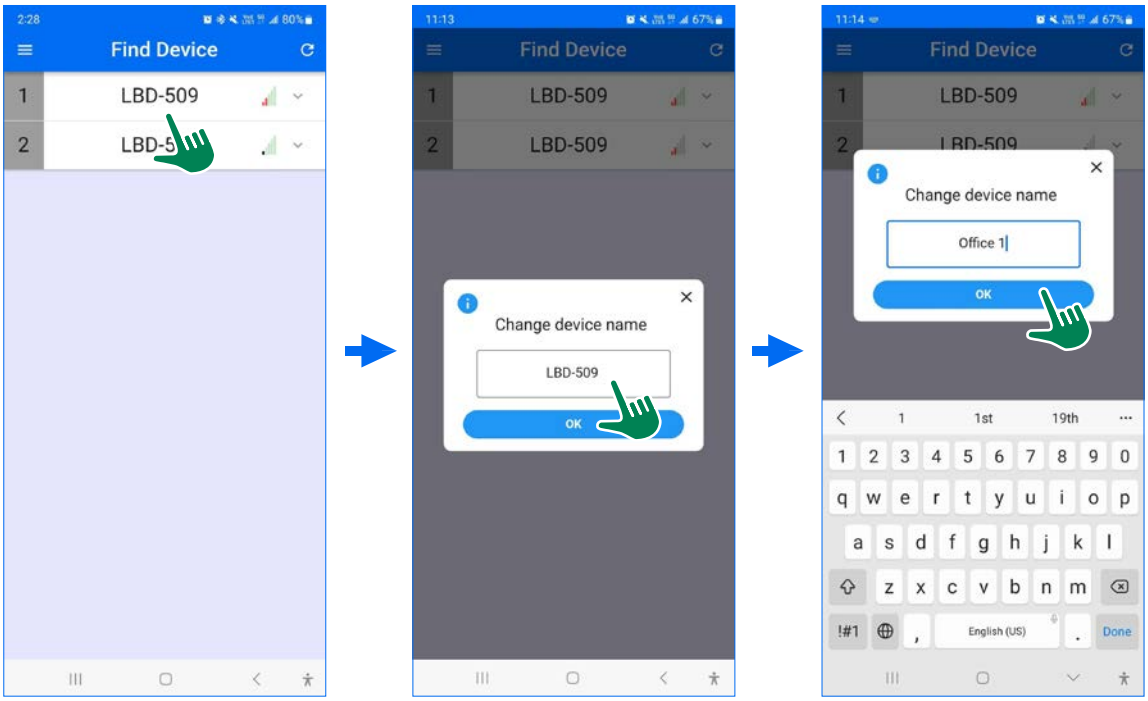
Once you enter FIND DEVICE, tap the magnifying glass or refresh button to scan for IR-TEC Bluetooth-enabled sensors within radio range and list down with model numbers (default) or names (if given) based on the radio signal strength received (RSSI). Tap the model/name to connect the sensor, the control menu allows you to turn on/off or dim (if applicable) the light controlled by the connected sensor manually.



NOTE: If no device is found, please check the installed device is powered and not connected to another mobile device. Tap on the refresh button, or the magnifying glass to re-search device.

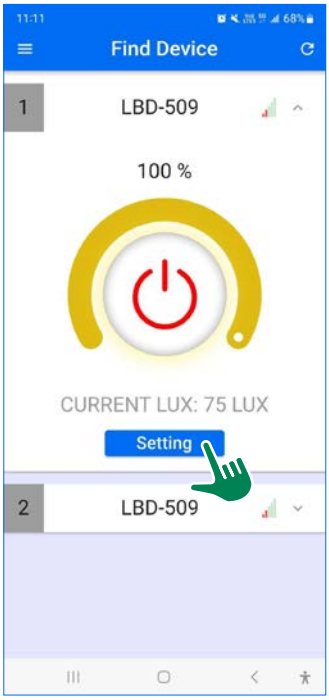
2. Name the sensor

Long press on the sensor “model/name” will activate the controlled light 3 on-off cycles, and allow you to edit the model/name of the sensor. After edit is completed, press OK to confirm. Repeat the same process to name other sensors. Max character length is 16.



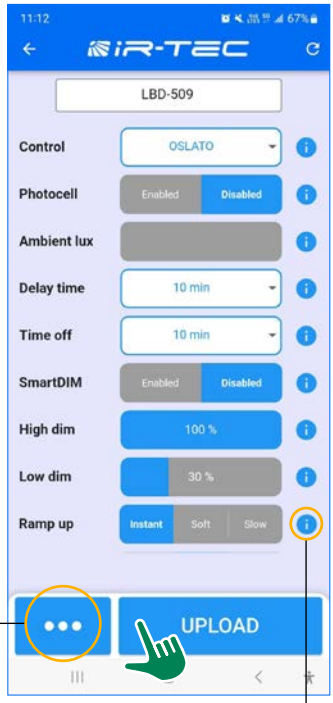
NOTE: To help identify the sensor, we recommend naming the sensor by its location with a serial number.

3. Set sensor control parameters



Tap the **Setting** button on the control menu of the selected sensor. The setting menu will appear showing all the current settings of that particular sensor.

Select the setting item and parameter as desired. After all configurations are done, tap **UPLOAD** to confirm setting.

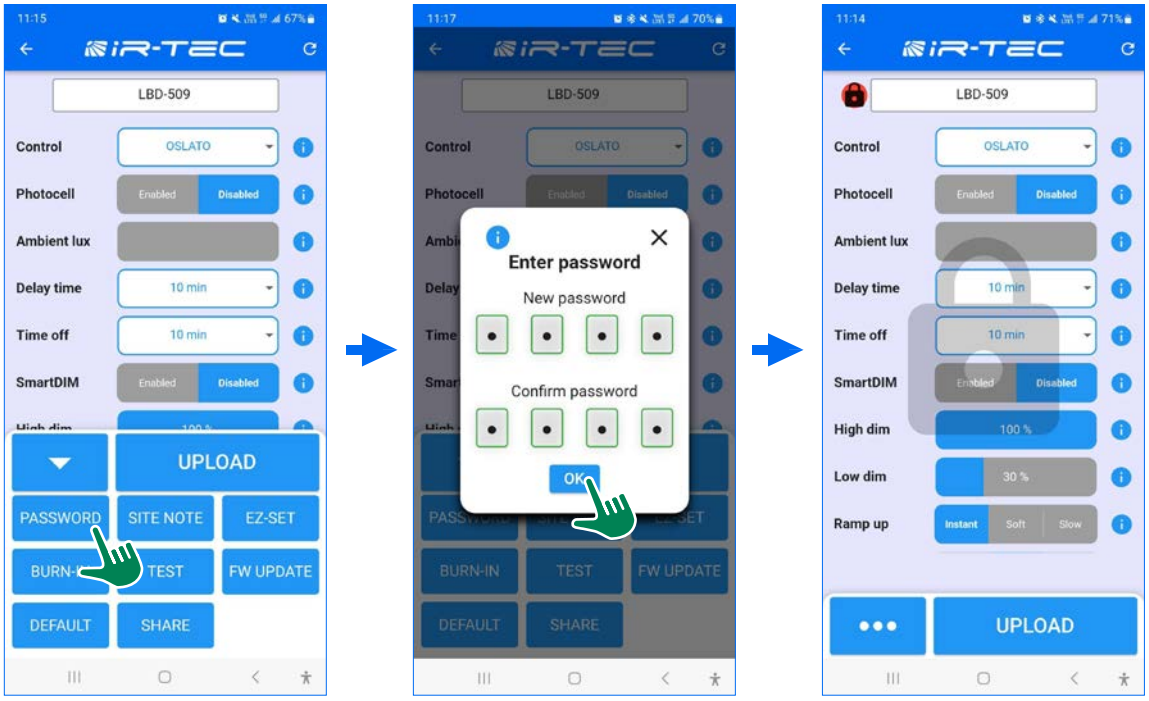


Following operations are available by tapping the button at the bottom-left of setting menu.

NOTE: For more about each setting item, tap ⓘ at the right.

4. Protect sensor setting

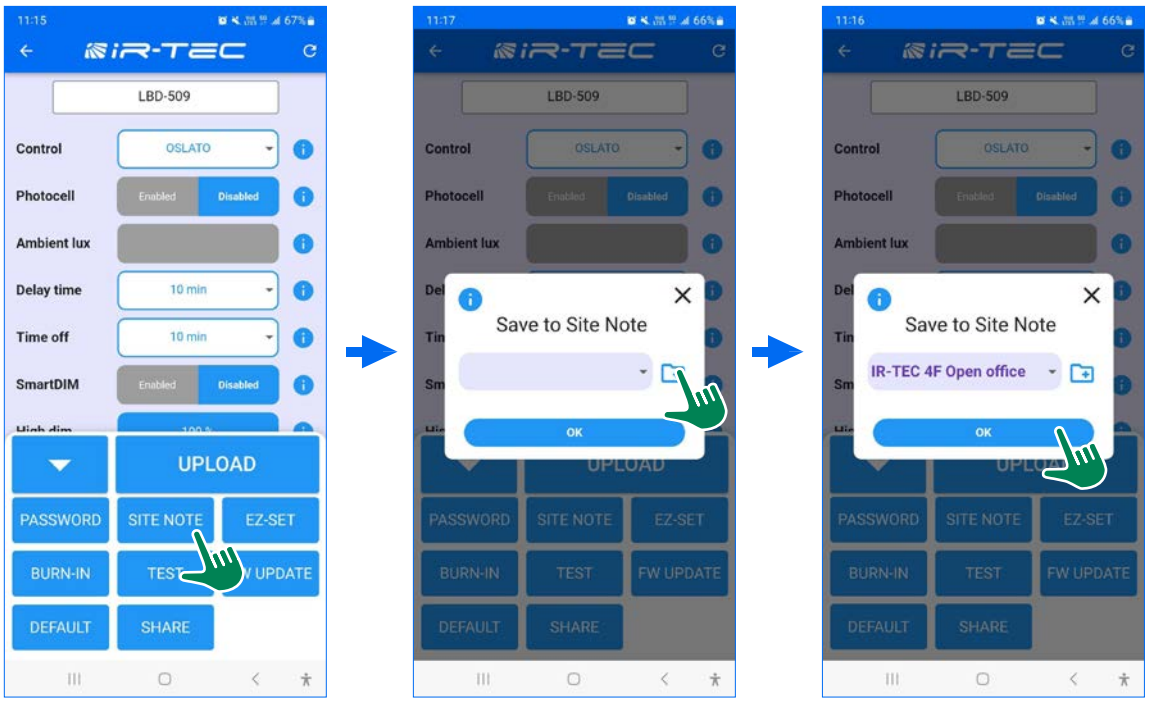
Tap the PASSWORD button will allow you to set a 4-digit password to protect the sensor settings from unauthorized or accidental change. Once you create a password, a lock sign 🔒 will be displayed to indicate the sensor is protected. The settings of protected sensor can be read but not changed.



Please be aware, forgetting the password will require resetting the sensor to factory default !

5. Make site note

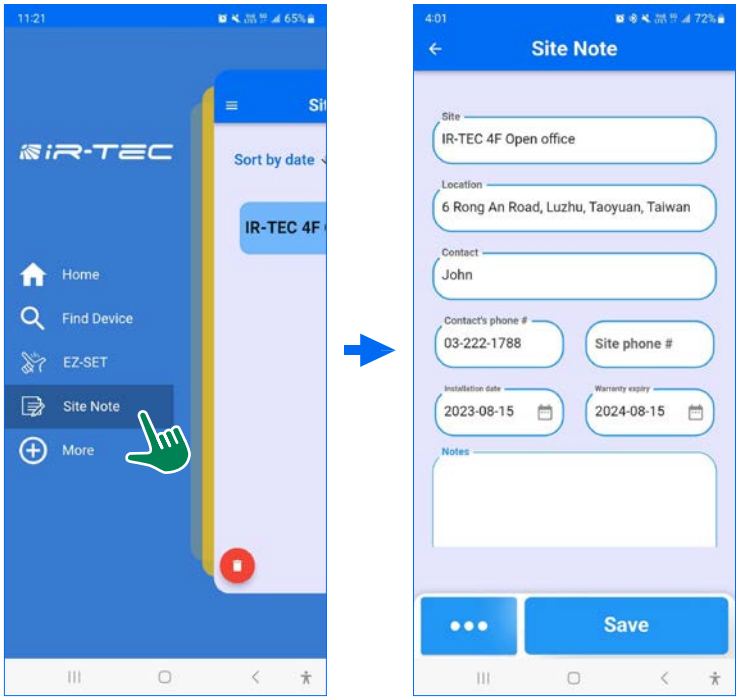
The SITE NOTE button will allow you to store the sensor setting and device info into the Device Details of the site note. If no site note is available for selection, tap the to create a new site note.



Create/edit Site Note

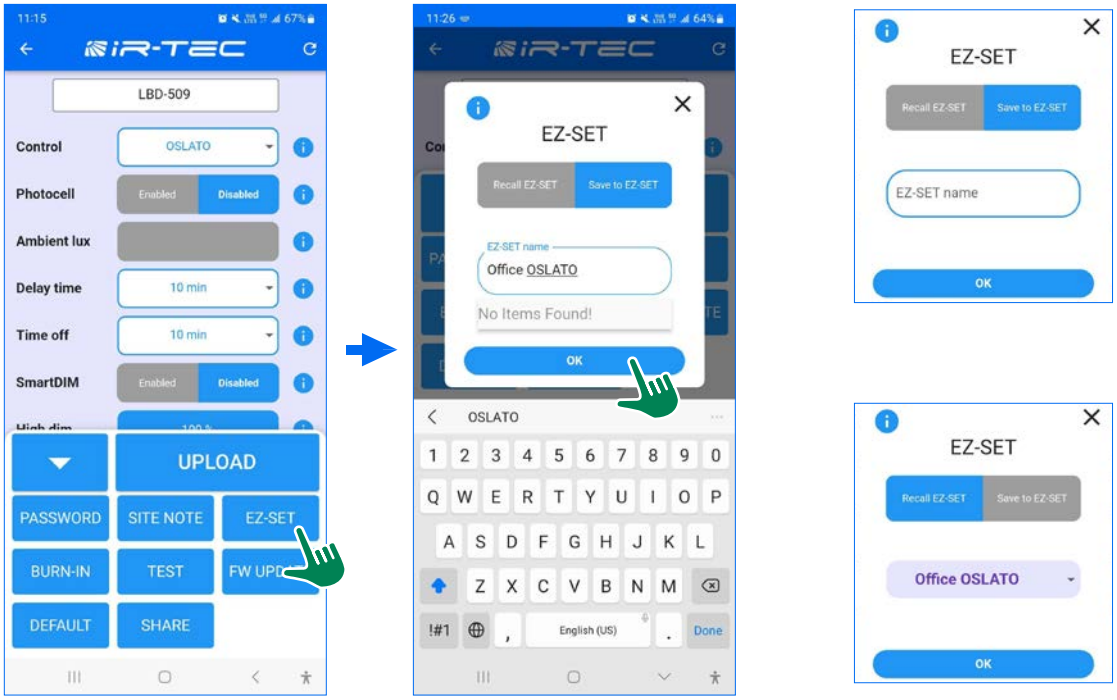
Select the Site Note from the pop-out menu.

You can create/edit site note to store important information such as site info, special requests, device details, service records, installation dates, and warranty expiry for future use.



6. Create an EZ-SET profile

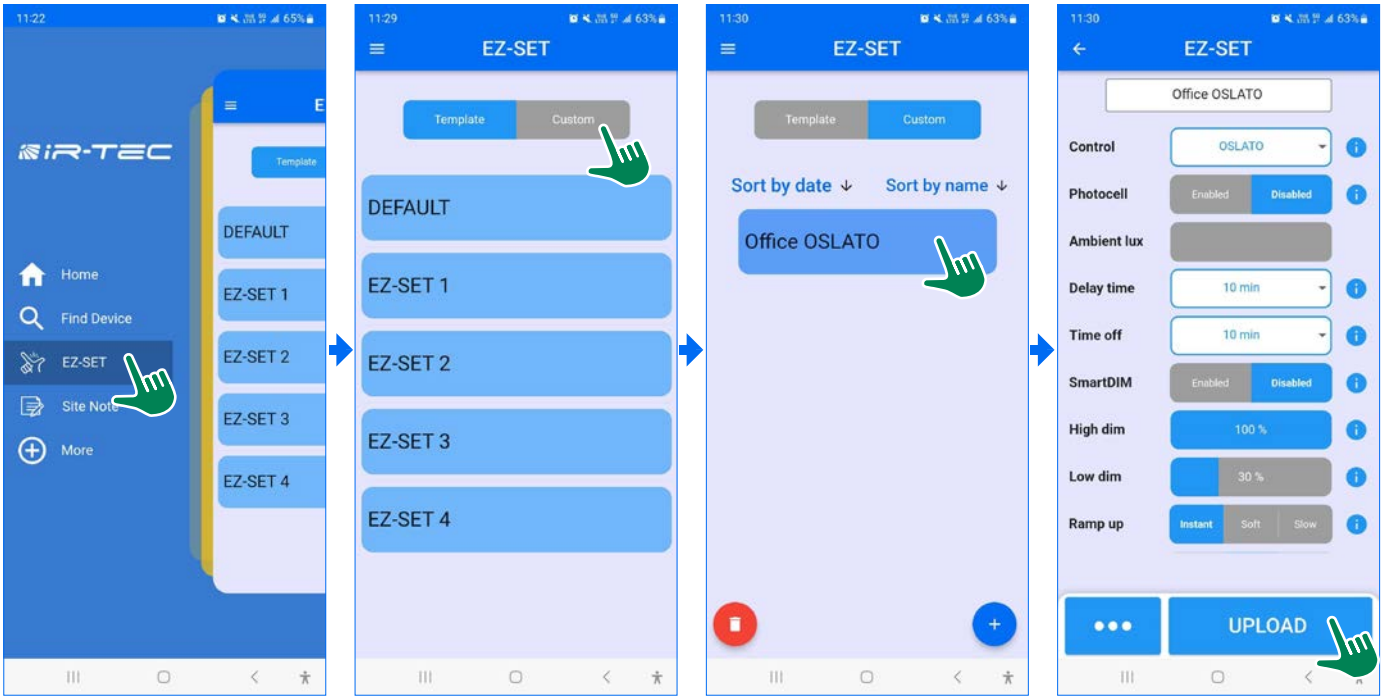
After a successful sensor setting upload, you may tap the EZ-SET button to save all setting parameters as an EZ-SET profile. Give the profile a proper name, so you can easily find and upload to replicate the settings to other sensors. You can also recall preset EZ-SET profiles by tapping on the Recall EZ-SET tab.

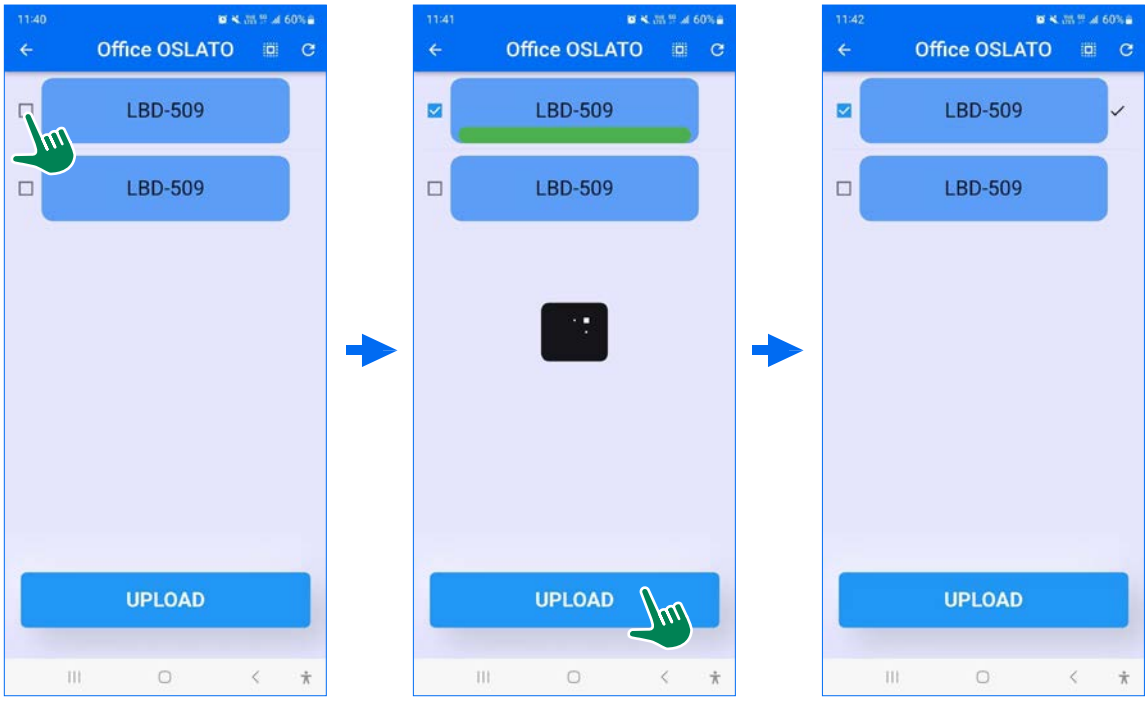


Uploading an EZ-SET profile to other sensors

Select EZ-SET from the pop-out menu.

Select from the five EZ-SET profile template, or tab on Custom to create your own EZ-SET profile.

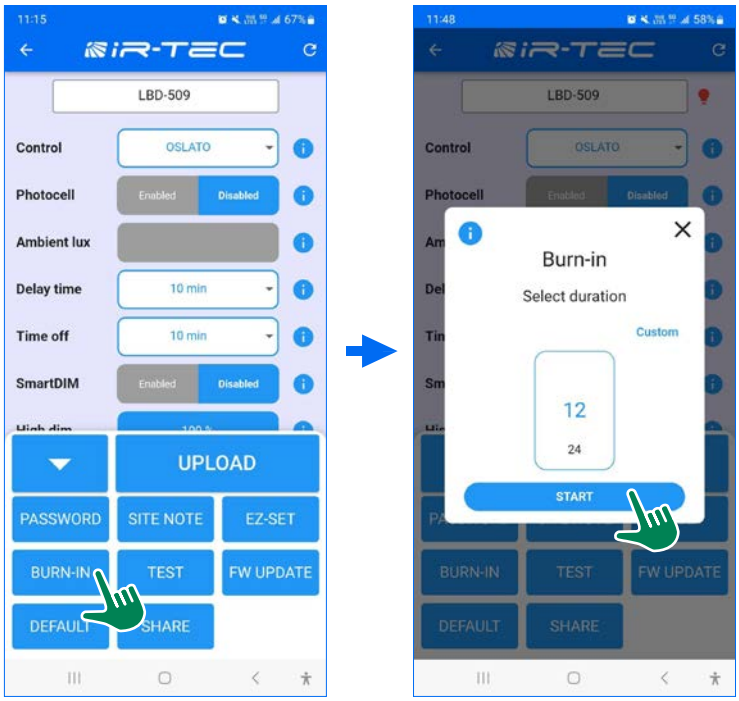




NOTE: Multiple sensors within Bluetooth range can be uploaded with the same EZ-SET profile simultaneously. Upload will fail if sensor is protected by a password.

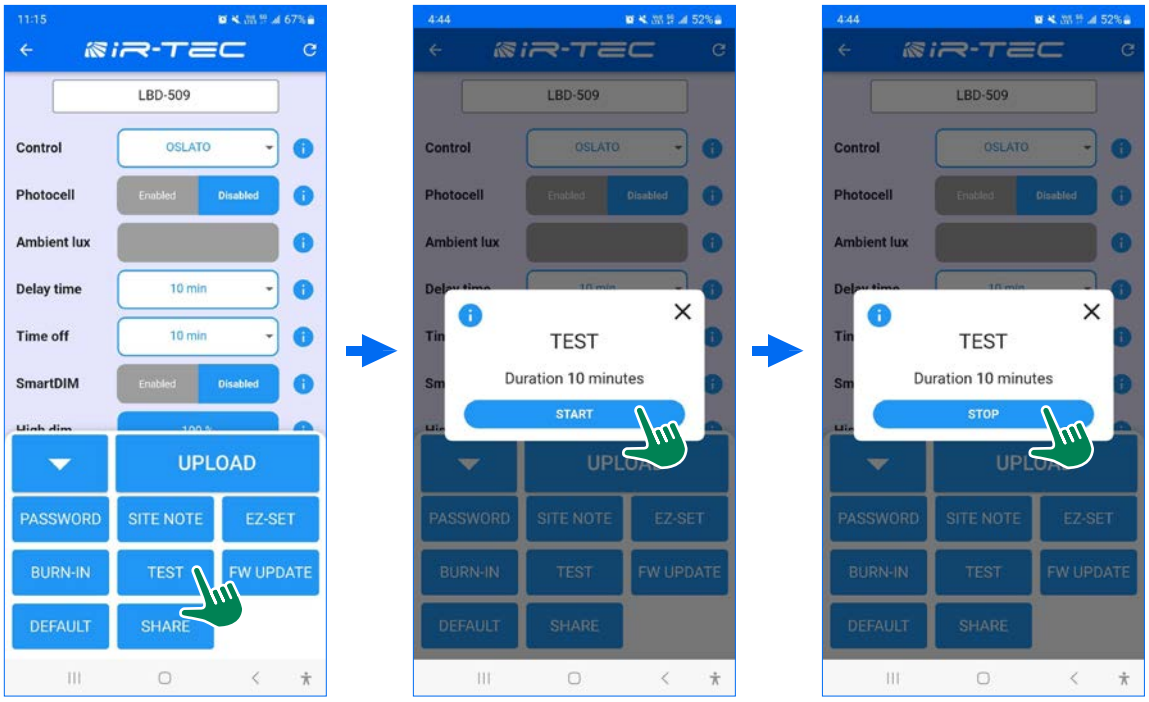
7. Start the burn-in process

Tap the BURN-IN button will force the sensor to turn on the controlled light for a period of time set to verify fixture operation. The sensor will return to the set control after burn-in time's up.



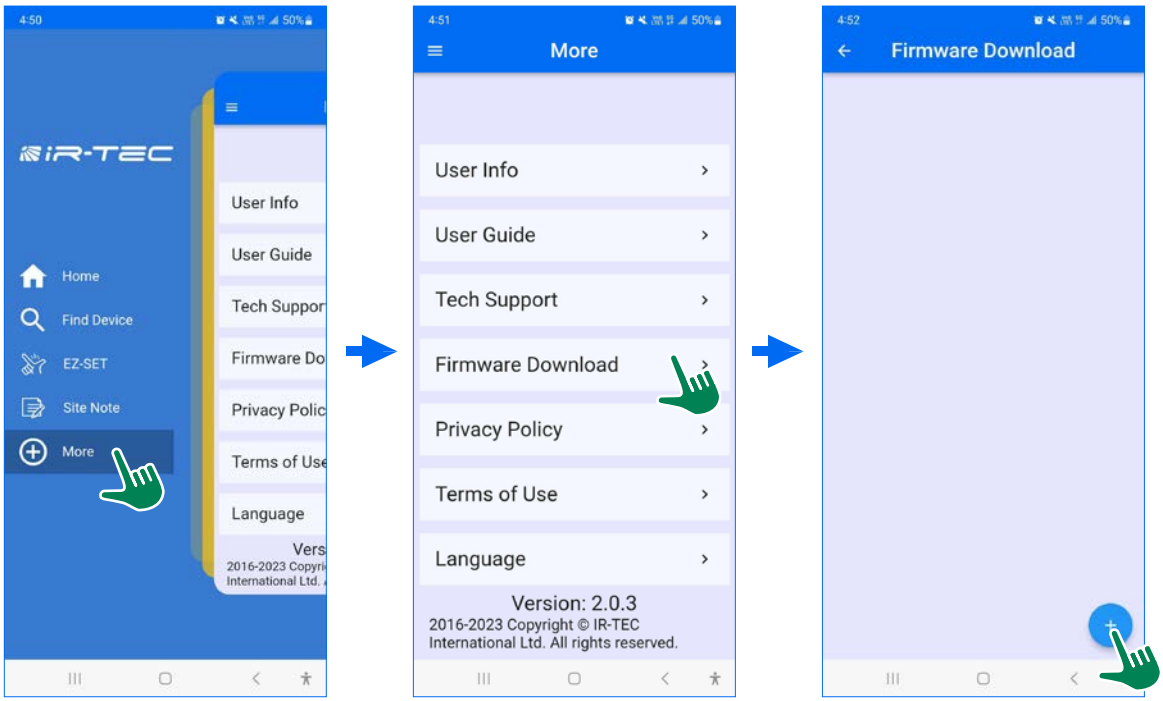
8. Test the sensor

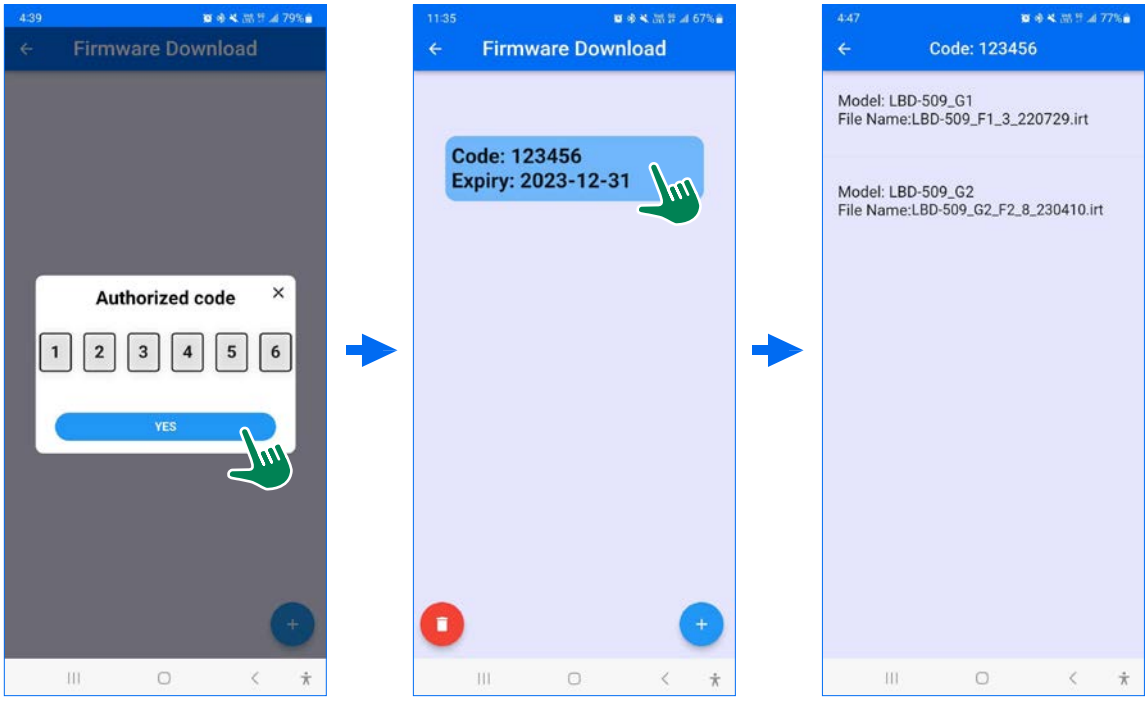
After the configuration is completed, tap the TEST button will shorten all delay times of the sensor to 10 seconds for testing convenience.



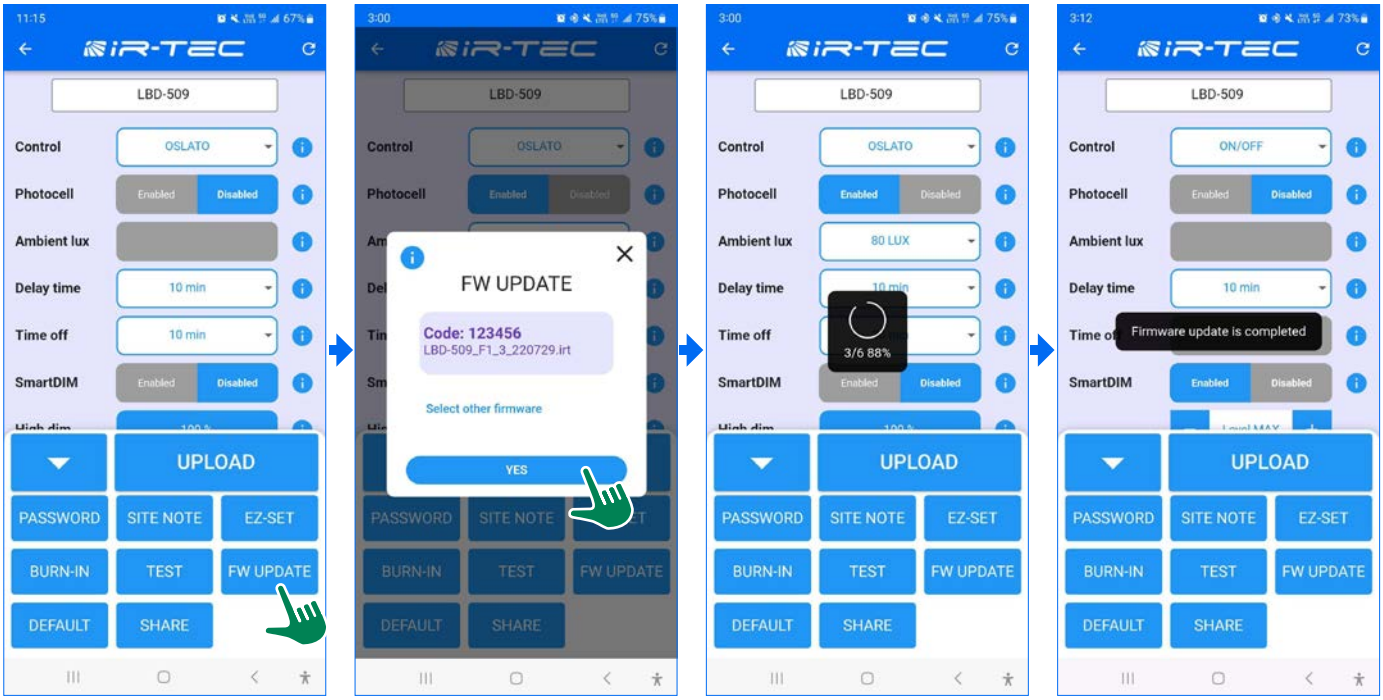
9. Update sensor firmware

If sensor firmware update is required, contact IR-TEC sales representative to get authorization and resources. Download the firmware from pop-out menu → MORE → Firmware Download. Tap on the + and enter the authorization code.





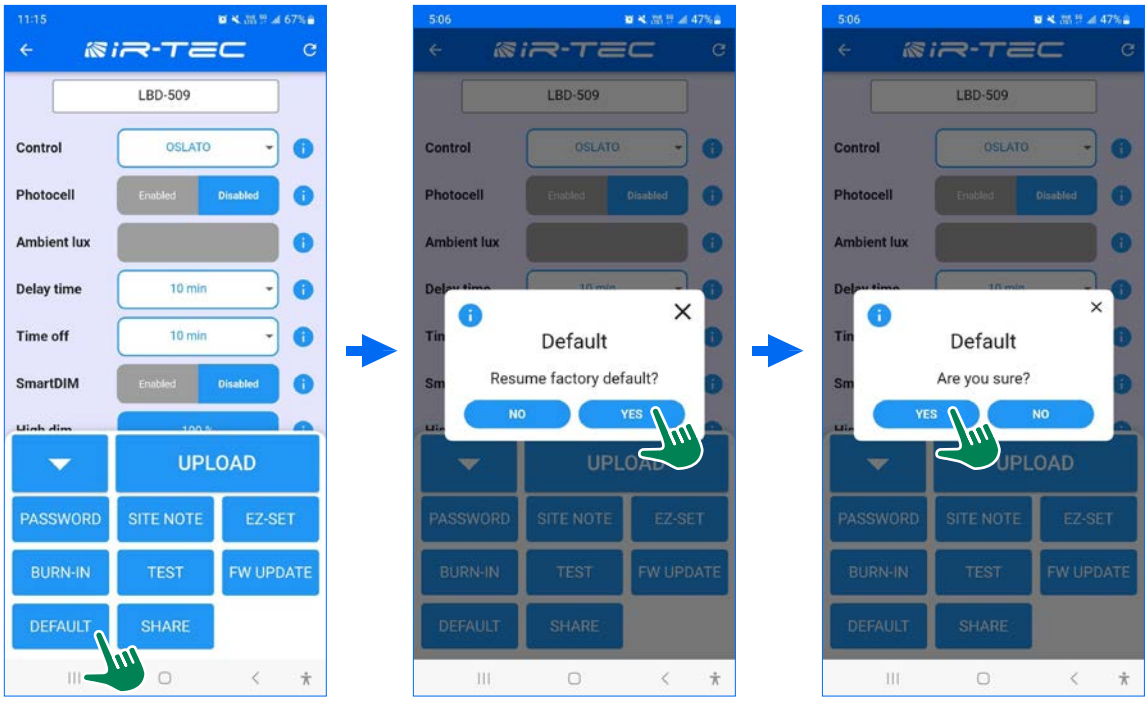
Enter the setting page of the sensor that needs to be updated, and tap the FW UPDATE button. The update process may take several minutes to complete, please do not leave the page while updating.



NOTE: Sensor will return to factory default after update.

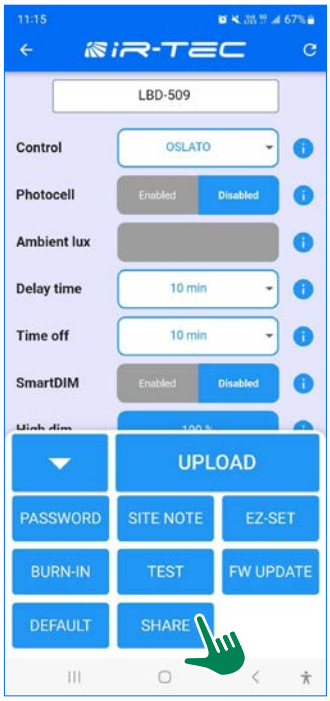
10. Reset to factory default

If the sensor is required to resume its factory default, the DEFAULT button will allow you to reset the sensor to factory default settings.



11. Share the settings

Tap on SHARE button to share the setting to someone in text format.



Device Name: LBD-509
Control: OSLATO
Photocell: Disable
Ambient lux: 80 LUX
Delay time: 10 min
Time off: 10 min
Smart dim: Disable
High dim: 100
Low dim: 30
Ramp up: Instant
Fade down: Soft
Sensitivity: High
LED indicator: Enable
DALI power: Enable
Minimum dim: Disable
Minimum dim value: 0
Daylight o'ride: Disable

MAC: DF:FE:7E:2A:61:CA
Model: LBD-509
Hardware: S-1.0, P-0.0, RF-0.0, M-1.0
Firmware: S-1.3, P-0.0, RF-0.0, BL-1.1
Serial no: 0000000000000000