Q-SENSE
USER MANUAL

Plug. Play. Sense.

EContents

Q-SENSE User Manual

Download the latest version of Q-SENSE
from the **Apple App Store (for iOS)** or **Google Play Market (for Android)**.

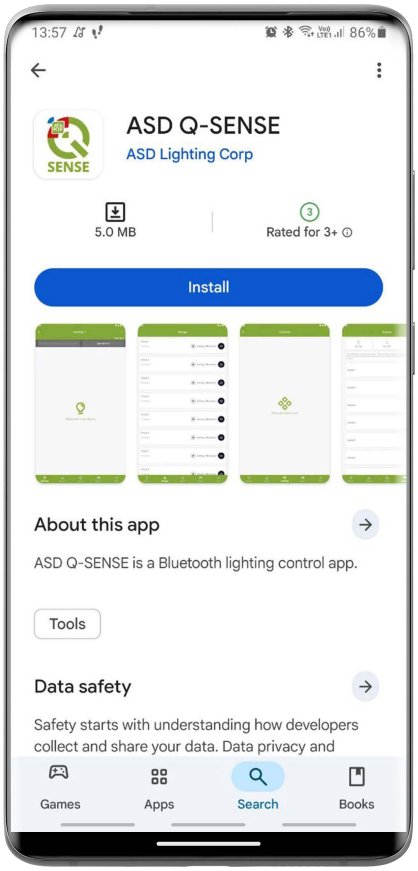
QR codes are available for iPhones and Android devices.

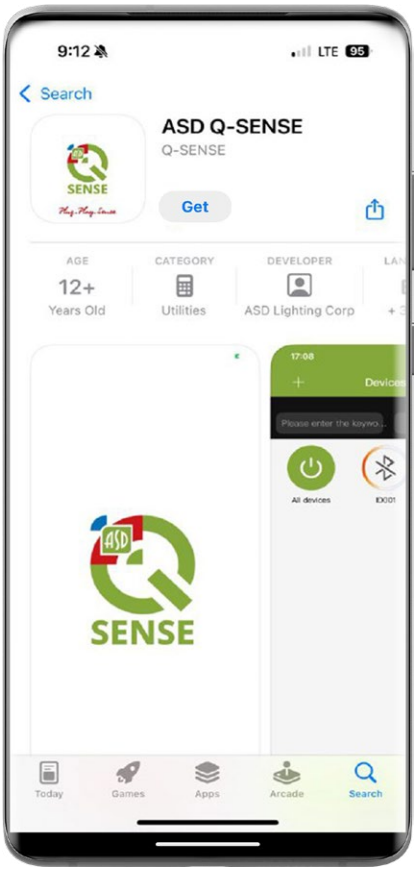
Android

Google Play

IOS

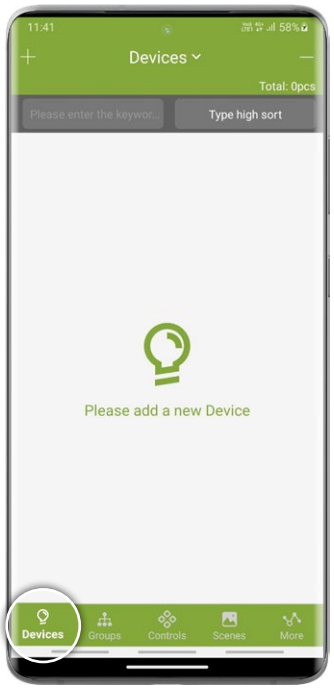
App Store



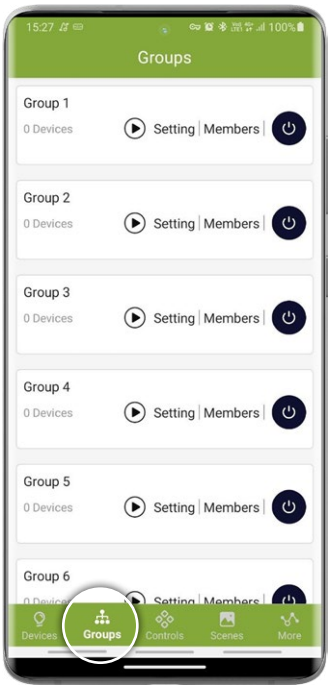


App Navigation

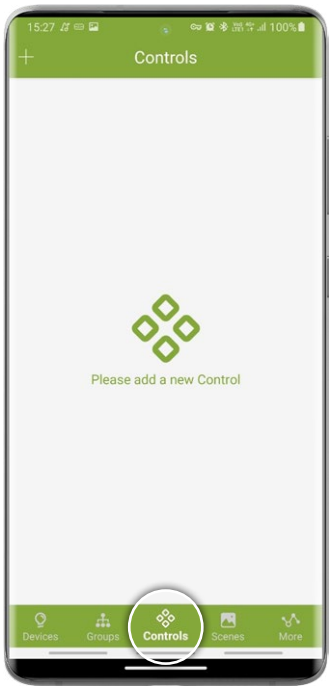
> The Q-SENSE App has five sections at the bottom of the screen for easy lighting control:



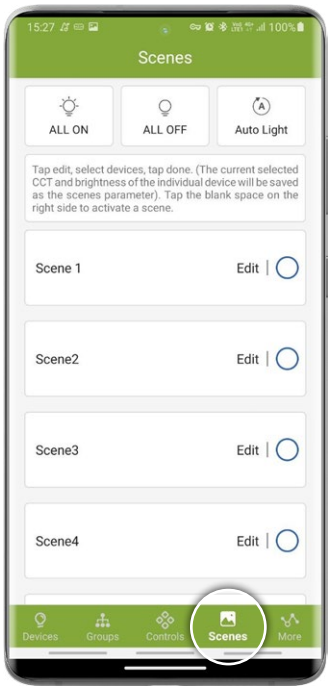
Devices – Manage individual sensors.



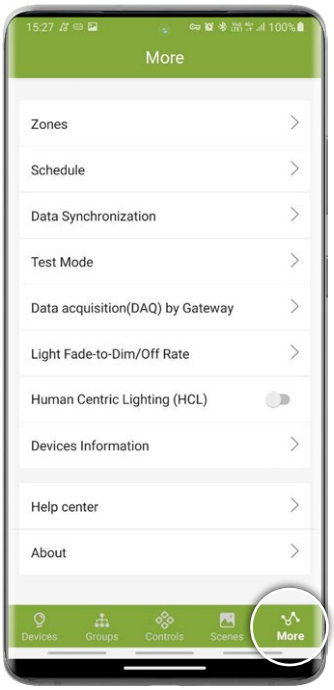
Groups – Control device groups (up to 16 groups per zone).



Controls – Displays gateways, switches, and other Q-SENSE devices.



Scenes – Configure lighting scenes (up to 16 scenes per zone).

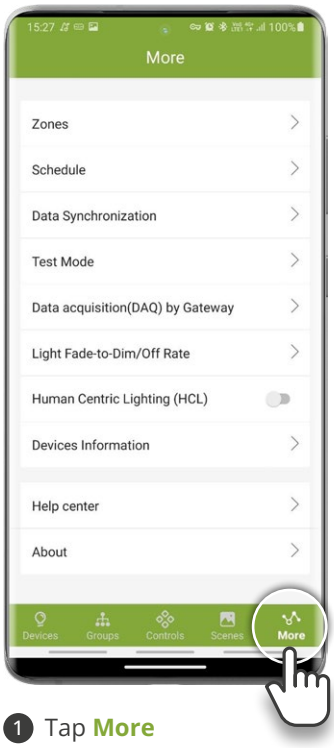


More – Manage zones, timers, Wi-Fi, and data synchronization.

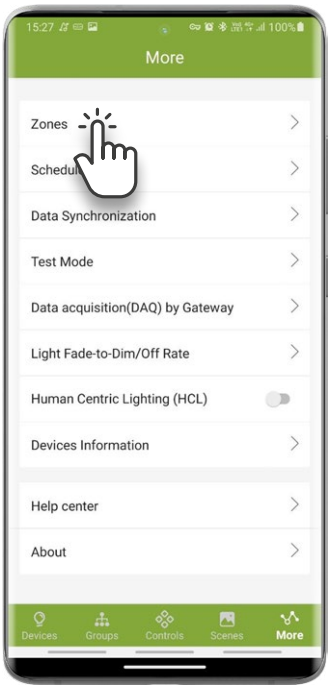
Zones

3.1 Creating a Zone

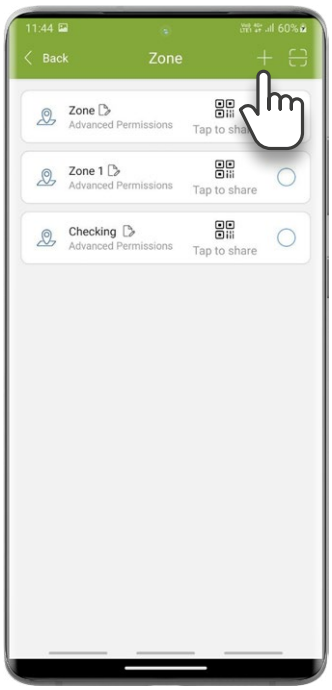
Zones are used to divide spaces and manage devices within a specific location, each with unique settings and access permissions.



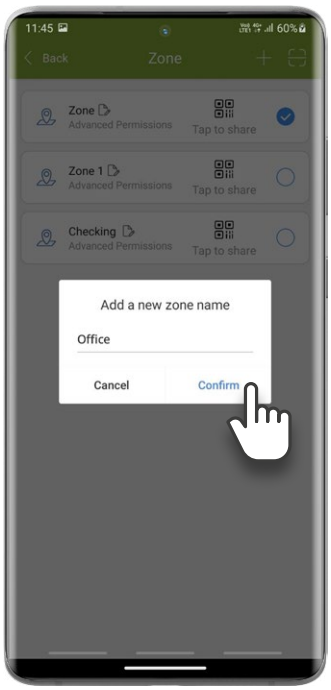
1 Tap **More**



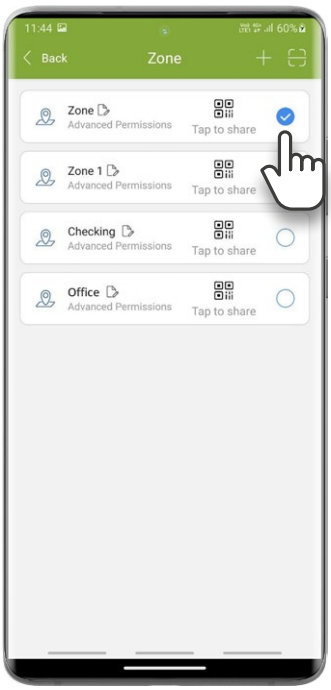
2 Select **Zones**



3 Tap **+** to add a new zone



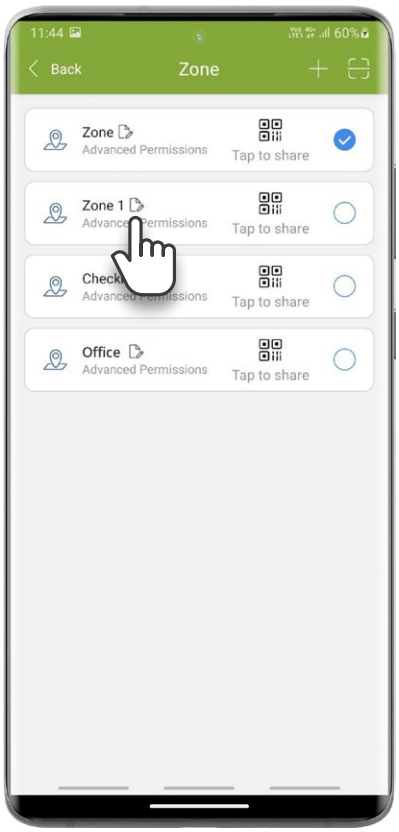
4 Enter a name and tap **Confirm**



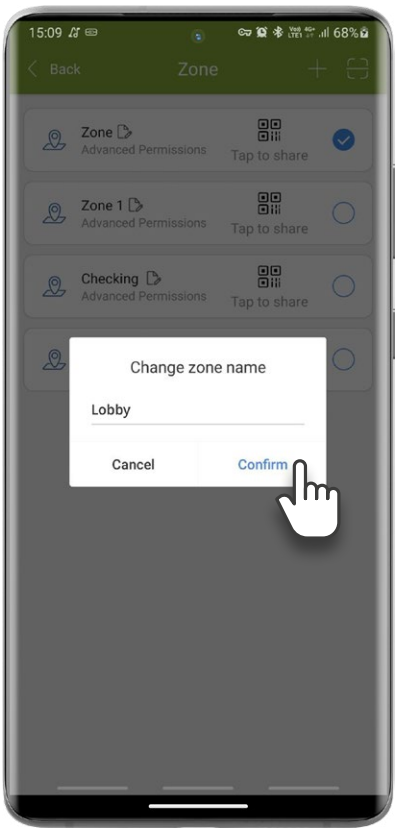
5 All zones will appear in the **Zones** list. To switch between zones, tap the circle next to the desired zone. A checkmark will appear in the selected zone

Zones

3.2 Renaming a Zone



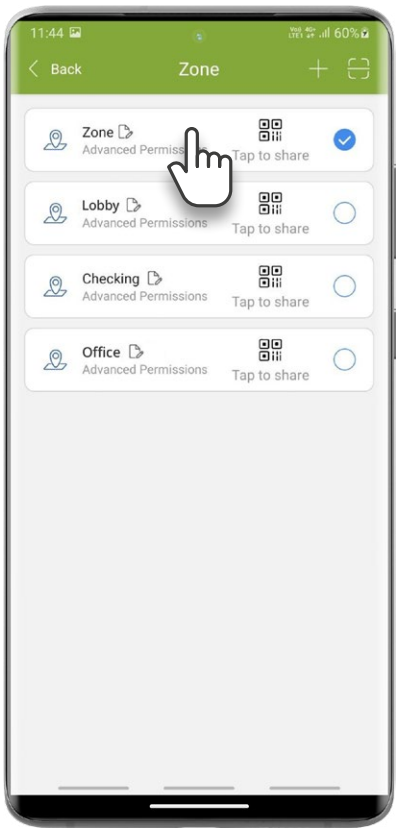
1 Tap the **edit icon** next to the zone name



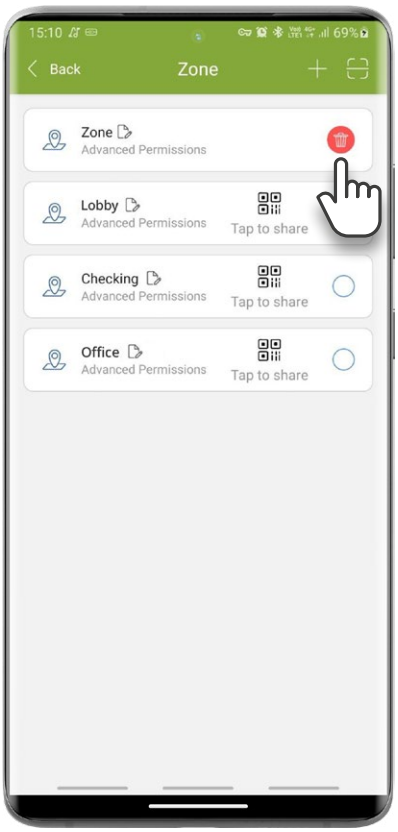
2 Enter the new name in the prompt and tap **Confirm**

Zones

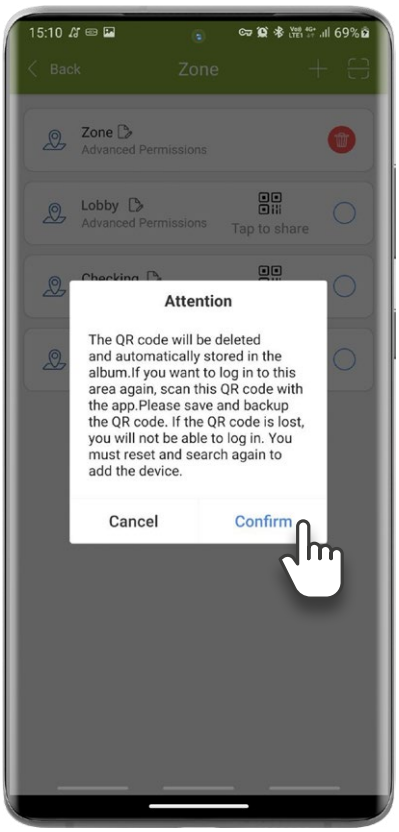
3.3 Deleting a Zone



1 Press and hold the zone you want to delete



2 A red **delete icon** will appear on the right — tap it



3 Enter the new name in the prompt and tap **Confirm**

Sensors Configuration

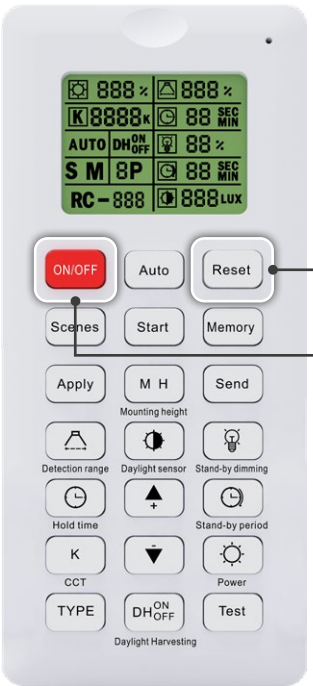
4.1 Reset and Power Cycling

Make sure the sensor is fully tightened.

The green light indicates that the sensor has power.
If the sensor is not screwed in completely, it may not work or respond.

If the sensor has power but is not detected in the app,
reset the sensor using any available method to enter pairing mode.

ASD-RC100LCD Remote Reset



1. Press **Reset** button
2. Press ON/OFF button
3. Fixture blinks once = success

Magnet Reset

1. Locate the **Reset** label on the device
2. Place a magnet over it for 5 seconds

Power Cycling

1. Power on fixture → Wait **20 seconds**
2. Turn off/on **5 times**
2. On 6th power-up, a blink confirms reset

Sensors Configuration

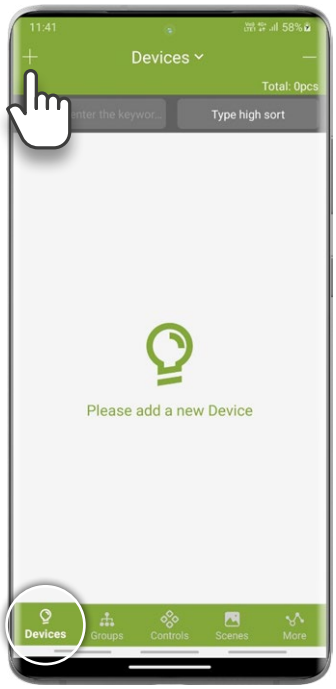
4.2 Adding New Sensors

The **Devices** tab is the first screen you see when opening the app.
This is the primary page for managing individual sensors.

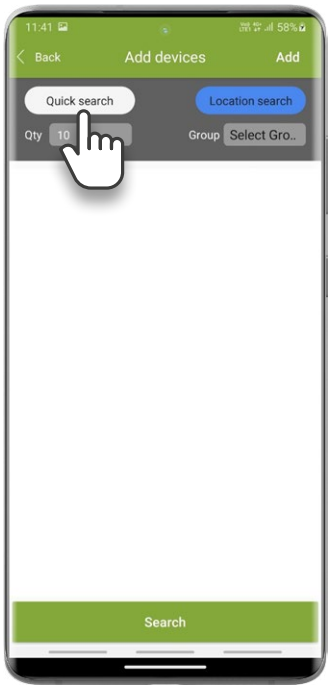
Add sensors by zone, and avoid turning on more than 100 simultaneously to prevent wireless interference. Disable sensors that are not part of the current zone.

Two adding modes are available: **Local Add Mode** and **Quick Add Mode**.

Adding New Sensors:

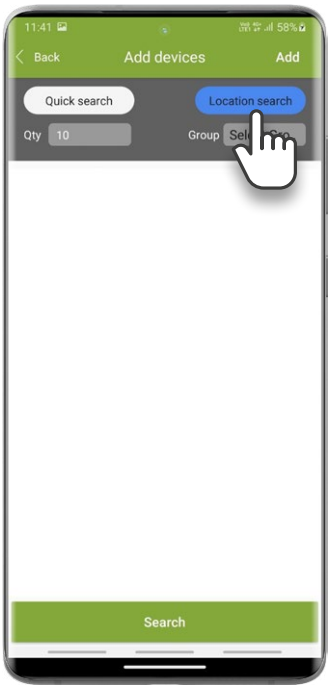


1. Open the **Devices** tab and tap the **+** in the top-left corner



2. Select the preferred search mode:

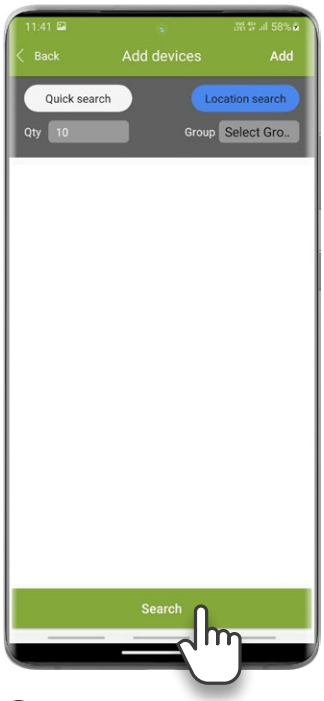
Quick Search: Automatically scans all available sensors



Location Search: Allows manual configuration of the search quantity and target group

Sensors Configuration

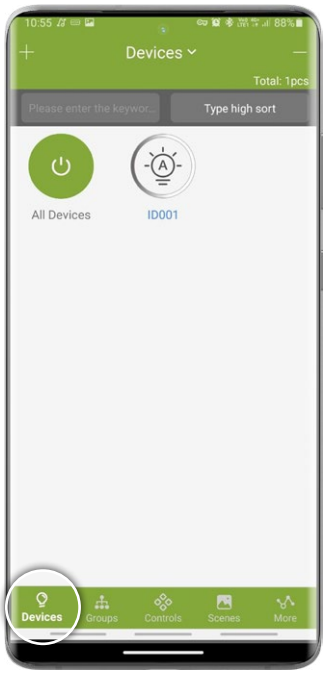
4.2 Adding New Sensors



3 Tap **Search** to begin scanning → Tap **Stop Searching** once devices are detected

4 Identification & Setup:

Test: Tap a sensor icon to toggle its connected fixture on/off



5 **Selection & Confirmation:**

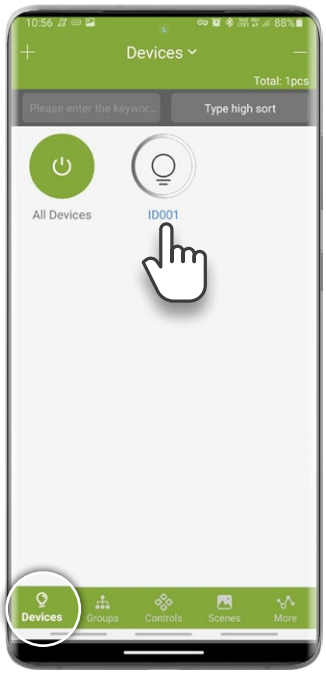
Check the desired sensors by tapping the circles on the right. → Tap **Add** (top-right) to finalize

6 Return to **Devices** to verify the updated list

Tip: For large areas, use Location Search for better precision

Sensors Configuration

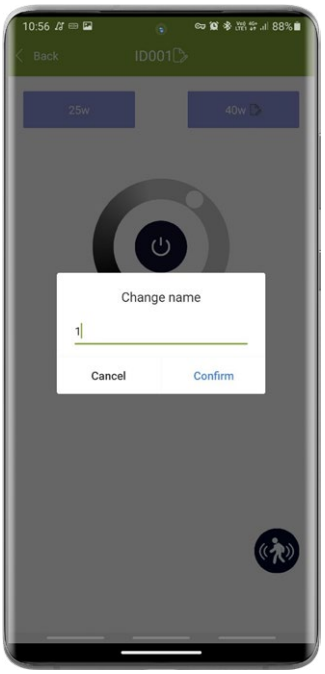
4.3 Adjusting Fixture Brightness



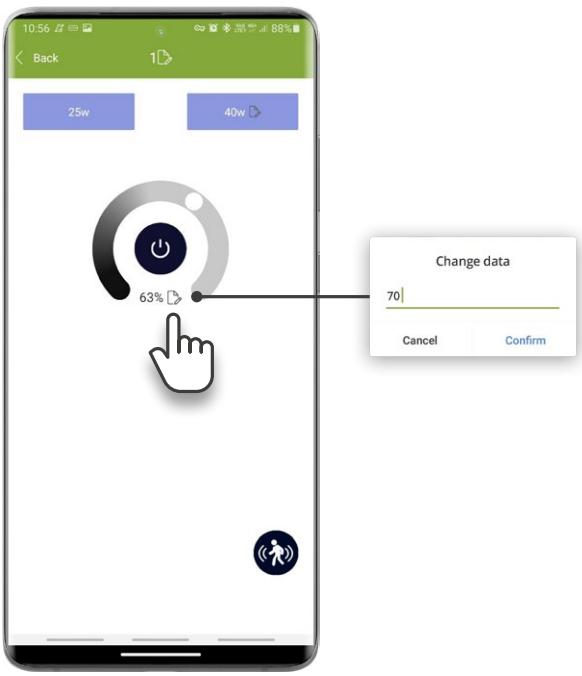
1 Access Controls: Long-press a fixture in the **Devices** tab to open its adjustment menu

2 **Renaming a sensor:**

Tap the **edit icon** next to the sensor name



Enter the new name in the prompt and tap **Confirm**



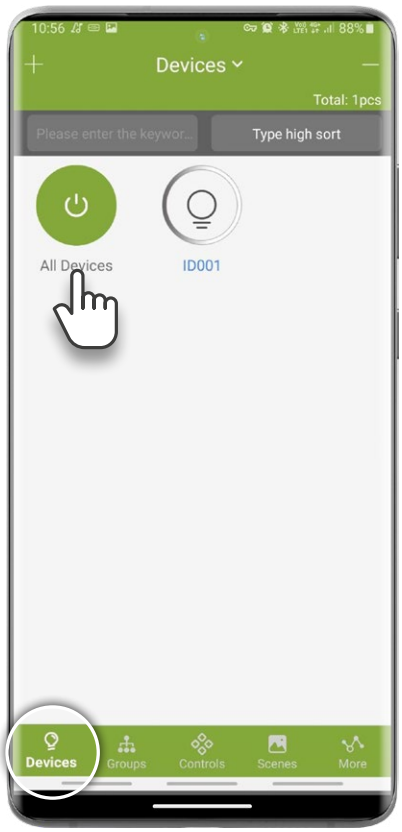
3 **Parameter Adjustment:**

Brightness: Use the central slider (0–100%)

For precise values, tap **edit icon,** enter the desired settings, and tap with **Confirm**

Sensors Configuration

4.3.1 Quick Settings for All Devices



1 Group Control Mode:

Long-press **ALL Devices** (2–3 seconds) in the **Devices** tab

2 Adjustments:

Brightness: Central slider controls all fixtures simultaneously

3 Notes:

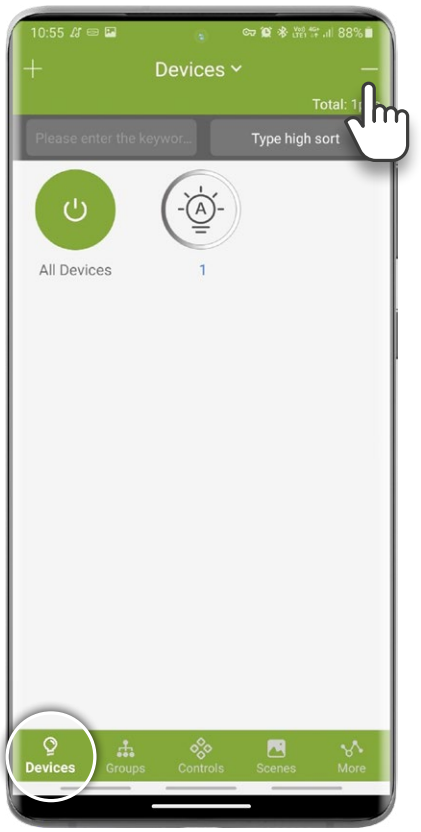
Changes apply instantly to all zone devices.

For individual fine-tuning, use the per-fixture mode

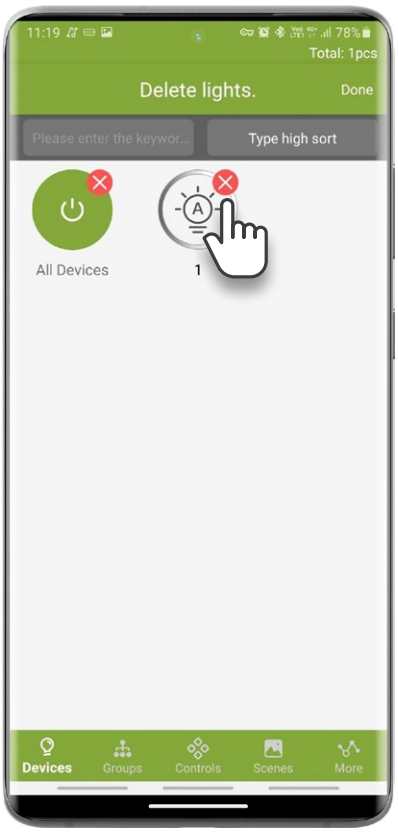
4 Tap **Back** to return to the main menu

Sensors Configuration

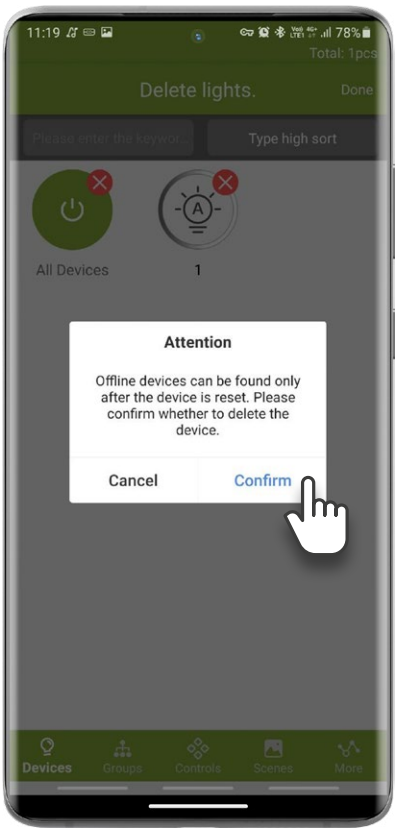
4.3.2 Removing Sensors from the System



1 Tap the — (delete) icon at the top in the **Devices** tab



2 Select sensors to remove



3 Tap **Confirm**

Notes:

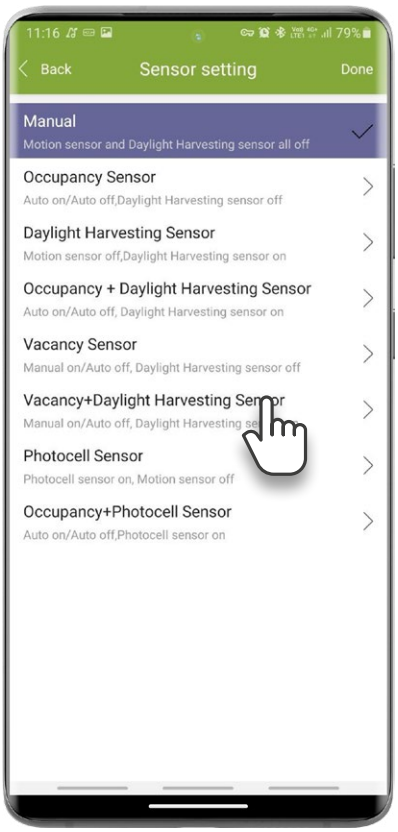
Works only for online devices

Sensors Configuration

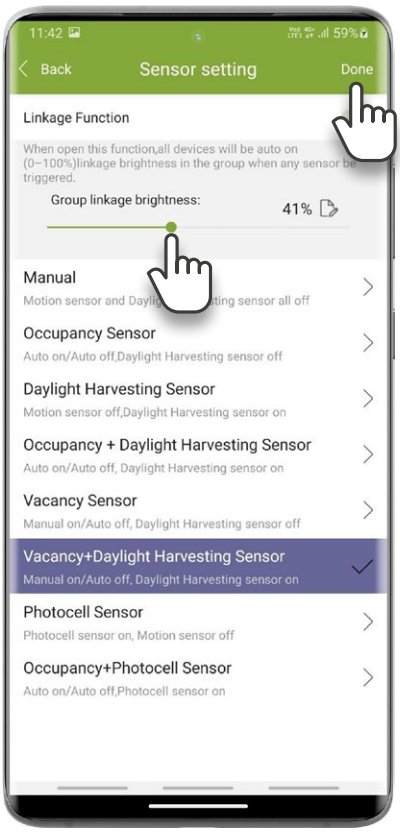
4.4 Motion and Daylight Sensor Configuration

4.4.1 Sensor Setup

1 Tap in the bottom-right corner



2 Select the sensor mode

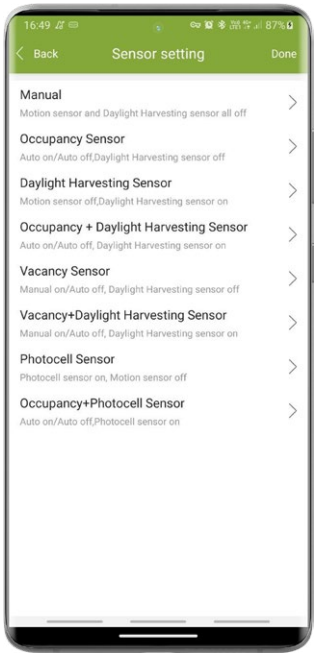


3 Adjust parameters → Tap **Done** to save

Sensors Configuration

4.4 Motion and Daylight Sensor Configuration

4.4.2 Operating Modes



Operating Modes

8 preset modes are available:

1. Manual
2. Occupancy Sensor
3. Daylight Harvesting
4. Occupancy + Daylight Harvesting
5. Vacancy Sensor
6. Vacancy + Daylight Harvesting
7. Photocell
8. Photocell + Occupancy

1. Manual
(Motion sensor and daylight harvesting disabled)

Full manual control with no automation. Ideal for spaces requiring constant lighting (server rooms, galleries).

2. Occupancy Sensor
(Auto on/off, daylight harvesting disabled)

Auto-on with motion detection and timed shut-off. Ideal for saving energy.

3. Daylight Harvesting
(Motion sensor disabled, daylight harvesting enabled)

Adjusts brightness based on ambient light (no motion detection). Best for daylight-rich areas (offices, classrooms).

4. Occupancy + Daylight Harvesting
(Auto on/off + daylight harvesting enabled)

Combines motion-triggered activation with daylight-based dimming. Perfect for open-plan spaces (coworking areas, libraries).

5. Vacancy Sensor
(Manual on/auto off, daylight harvesting disabled)

Manual on/auto-off with motion detection. Designed for private offices and meeting rooms.

6. Vacancy + Daylight Harvesting
(Manual on/auto off + daylight harvesting enabled)

Manual activation with auto-off and daylight compensation. Recommended for intermittently occupied spaces (conference halls).

7. Photocell
(Photocell enabled, motion sensor disabled)

Simple threshold-based light control on lux level (e.g., streetlights). Motion detection disabled.

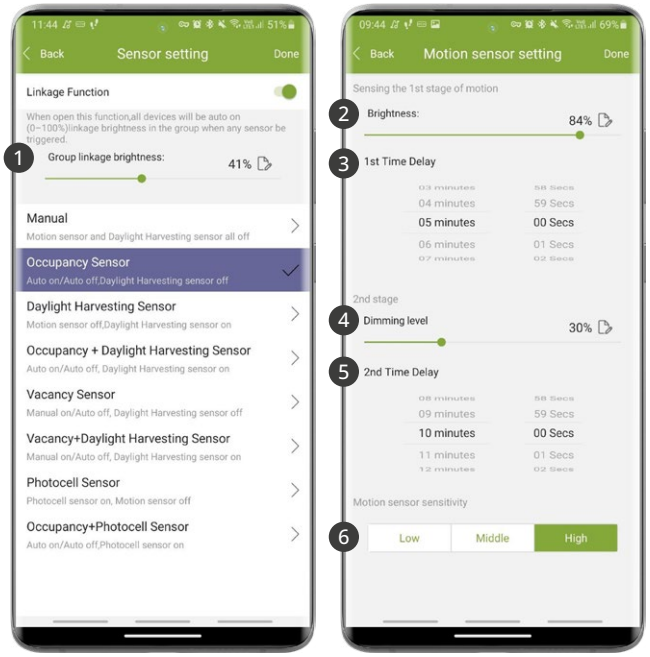
8. Photocell + Occupancy
(Auto on/off + photocell enabled)

Motion-activated only in low light (entrances, parking areas). Forces off when ambient light exceeds set point).

Sensors Configuration

4.4 Motion and Daylight Sensor Configuration

4.4.3 Adjustable Parameters



Adjustable Parameters

Available for all modes:

1. Group Linkage
2. Brightness
3. Hold Time Delay
4. Dimming level
5. Standby Time Delay
6. Sensitivity

1. Group Linkage
(for synced fixtures)

If a fixture doesn't detect motion but others in its group do, it will turn on at a set brightness (proportional to normal operation).

2. Brightness
(0/10–100%)

Light level when motion is detected (minimum depends on sensor model).

3. Hold Time Delay
(0–60 min)

Time before fixture dims after last motion detection.

4. Dimming level
(0-100%)

The light level maintained after motion is no longer detected, providing safe illumination

5. Standby Time Delay
(0–+∞)

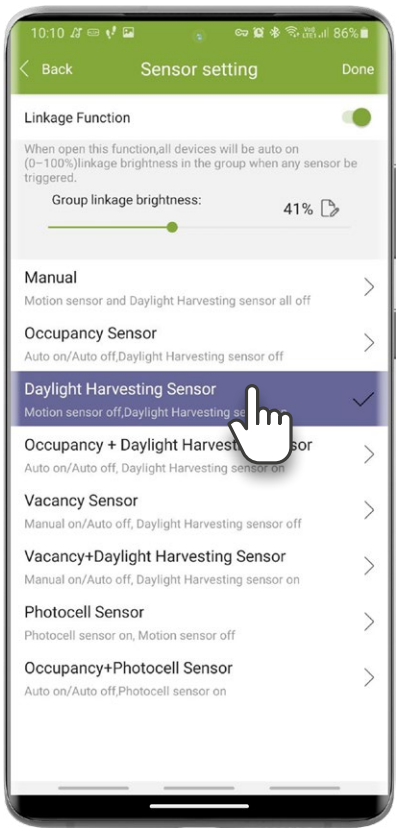
Time before fixture turns off after dimming.

6. Sensitivity
(Low/Medium/High)

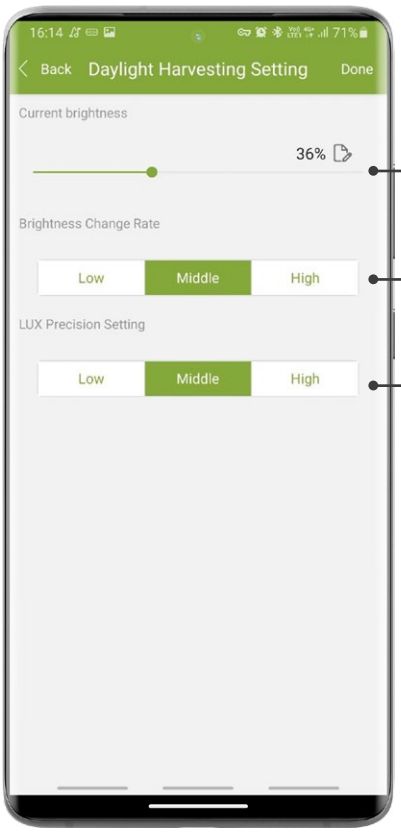
Motion detection radius.

Sensors Configuration

4.5 Daylight Harvesting Settings



1 After sensor setup, tap **Next**



2 Set the current brightness as the **target lux level.** The fixture will adjust automatically:

Brightness ↑ (ambient light low)

Brightness ↓ (ambient light high)

3 **Brightness Change Rate** (adjusts response speed):

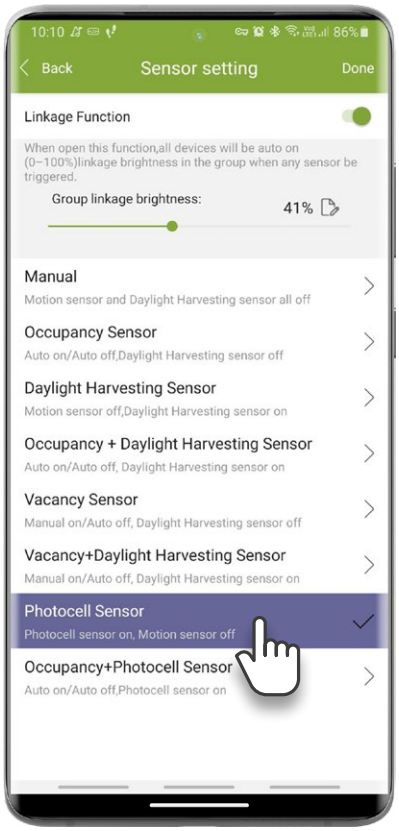
Options: **Low, Middle, High**

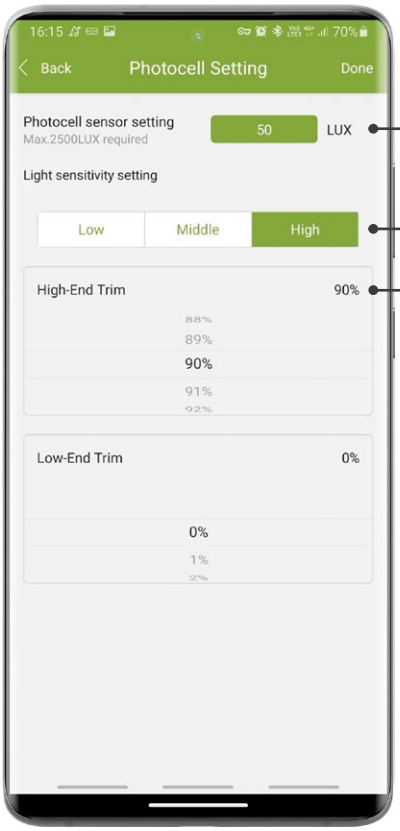
4 **Lux Precision** (light measurement accuracy)

Options: **Low, Middle, High**

Sensors Configuration

4.6 Photocell Settings





1. **Lux Threshold** (e.g., 50 lux)
2. **Measurement Precision:**
   - **Low (±15%):** 42.5–57.5 lux
   - **Medium (±10%):** 45–55 lux
   - **High (±5%):** 47.5–52.5 lux
3. **Boundary Calibration:**
   - **High End Trim:** Max. Turn-off threshold.
   - **Low End Trim:** Min. turn-on threshold

Operating Examples

1. Photocell Only:

<47 lux: Fixture turns **100% on**

>53 lux: Fixture turns **off**

2. Photocell + Occupancy:

<47 lux + motion: Fixture turns **100% on**

No motion for 1 min: Dims to **30%**

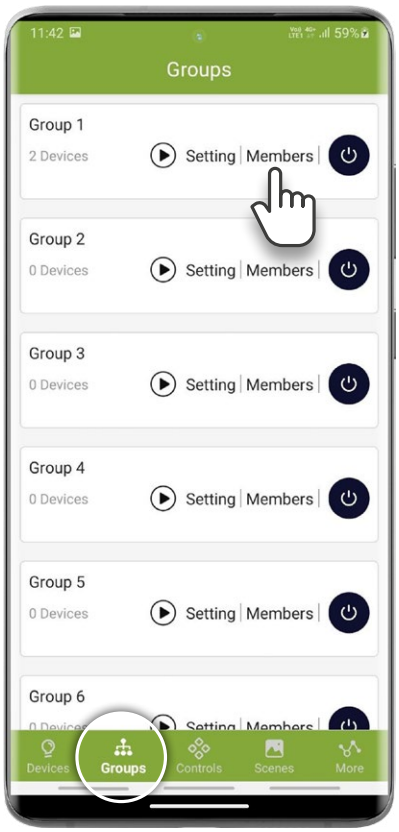
No motion for 2 min: Turns **off**

Forced off: If lux **>53**, fixture turns off **immediately** (overrides timers)

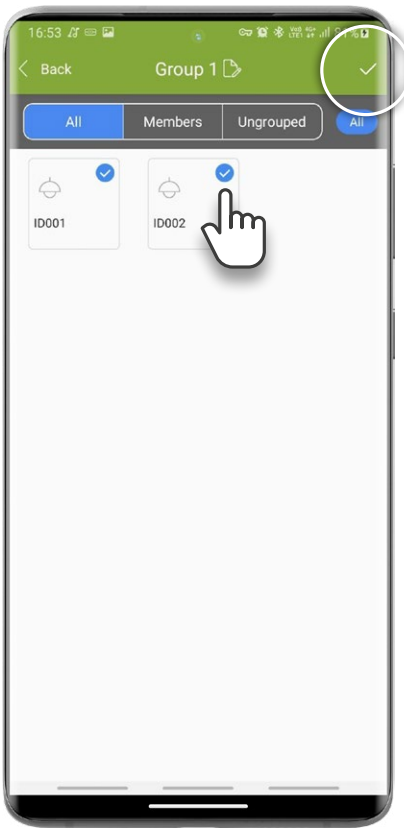
Sensors Configuration

4.7 Managing Sensors in Groups

4.7.1 To add/remove Sensors from a group

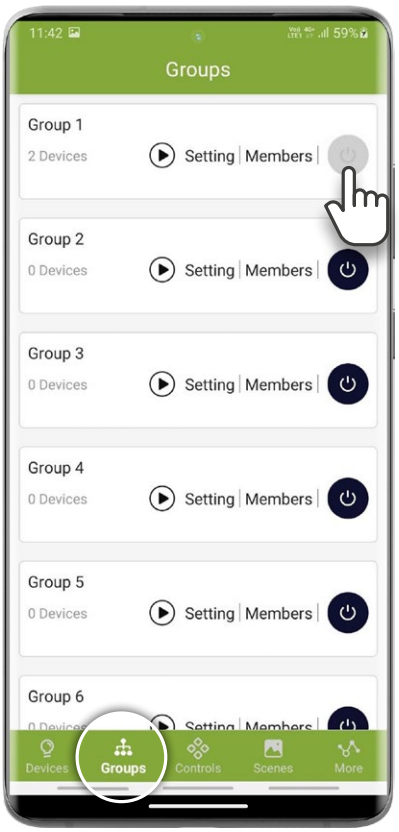


1 Tap **Members** in the **Groups** tab → a list of sensors appears



2 Toggle the circles on the right to select/deselect sensors

3 Tap ✓ to save the group

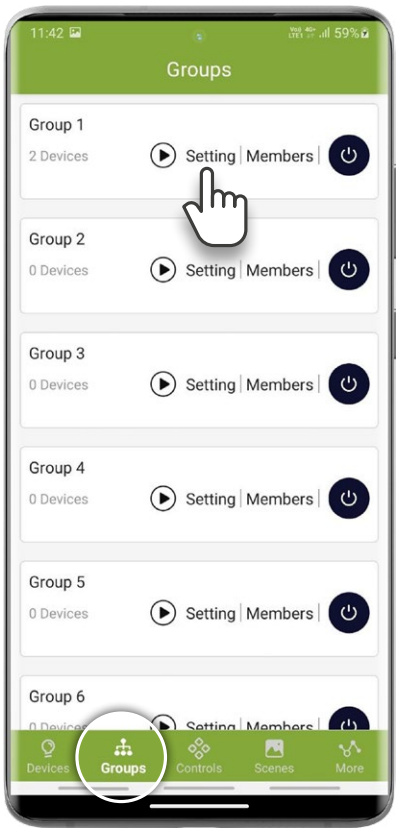


4 In the **Groups** tab, use the toggle to turn all devices in the group on/off

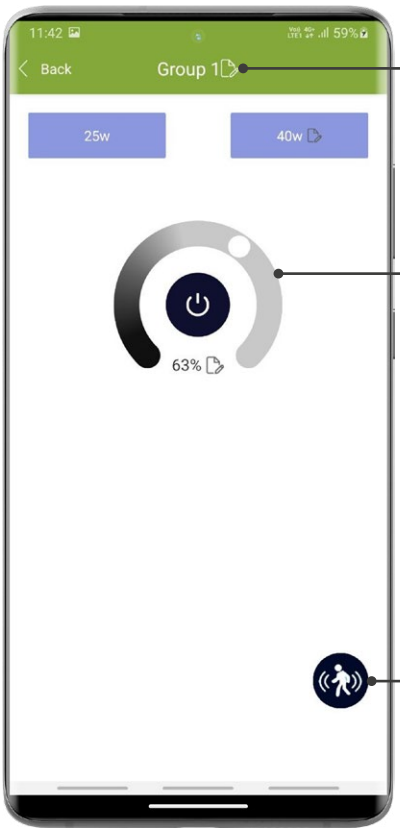
Sensors Configuration

4.7 Managing Sensors in Groups

4.7.2 Group Settings



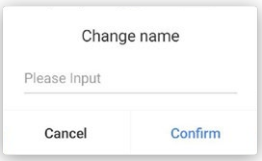
1 Tap **Settings** in the **Groups** tab to adjust brightness and sensor modes



2 **Brightness**
(for all grouped fixtures):

Use the central slider (0–100%)

3 Tap the **edit icon** next to the group name



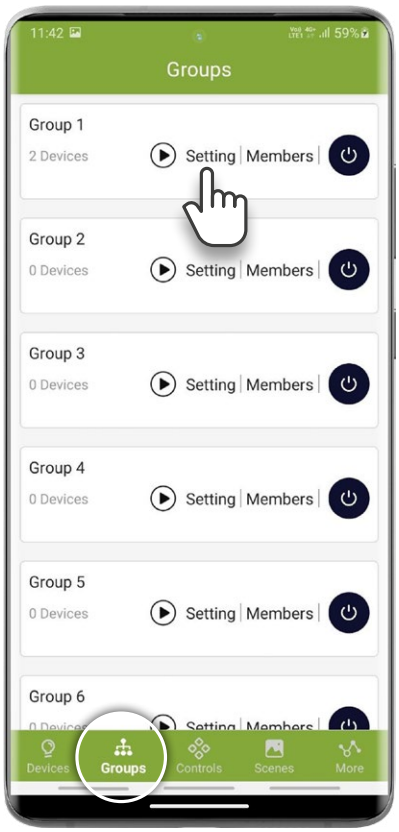
Enter a new name → Tap **Confirm**

4 Tap to set the group's sensor mode

Sensors Configuration

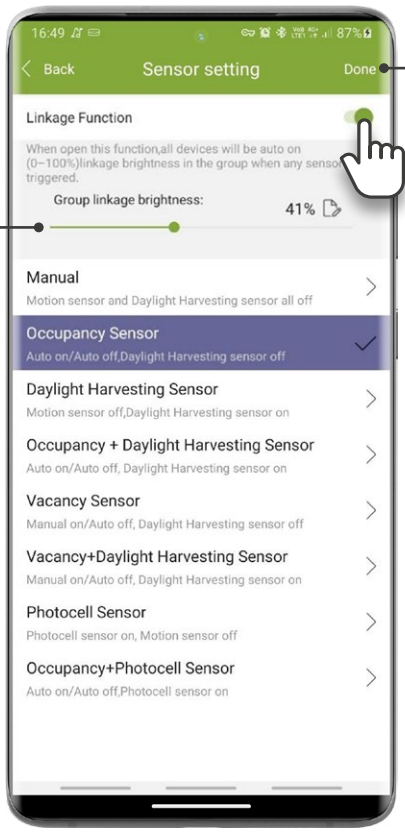
4.7 Managing Sensors in Groups

4.7.3 Group Linkage



1 Tap **Settings** in the **Groups** tab

2 Tap to enable **Linkage Function**



3 Enable **Linkage Function**

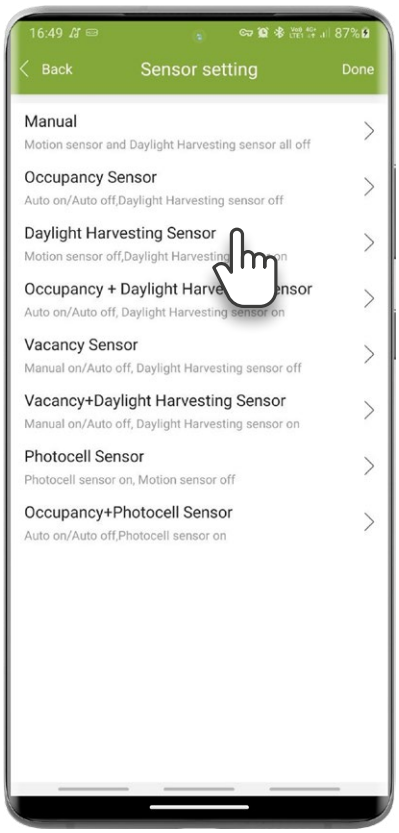
4 Set the sync brightness (via slider or manual input)

5 Tap **Done** to save

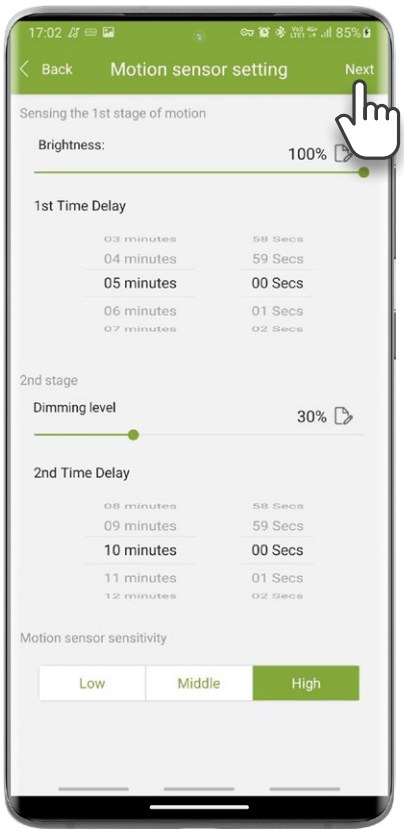
Sensors Configuration

4.7 Managing Sensors in Groups

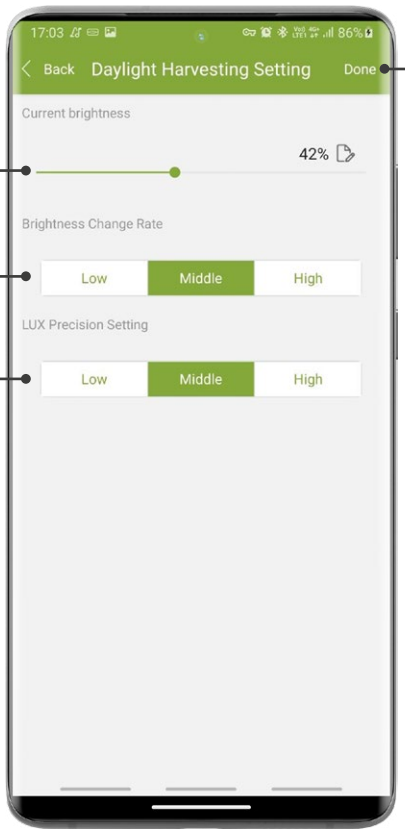
4.7.4 Daylight Harvesting Mode



1 Select the mode and configure parameters



2 Tap **Next**



3 Set **Current Brightness** as the target lux level (fixtures will auto-adjust to maintain it)

4 **Brightness Change Rate**

Adjusts response speed:
Low, Middle, High

5 **LUX Precision**

Sets measurement accuracy:
Low, Middle, High

6 Tap **Done**

Scenes

Scenes are preset lighting profiles that:

Include individual fixtures or entire groups.

Apply complex settings (brightness, on/off) instantly.

Activate with one tap or via schedule.

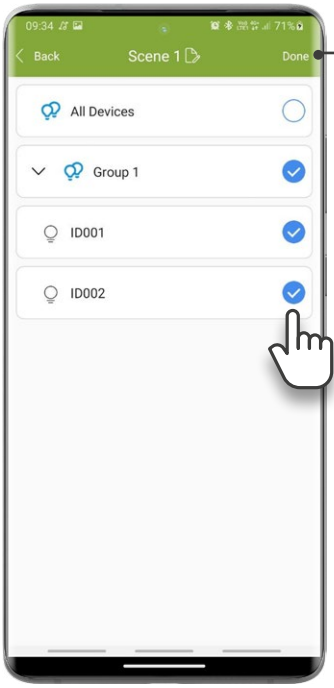
To create a scene

Notes:

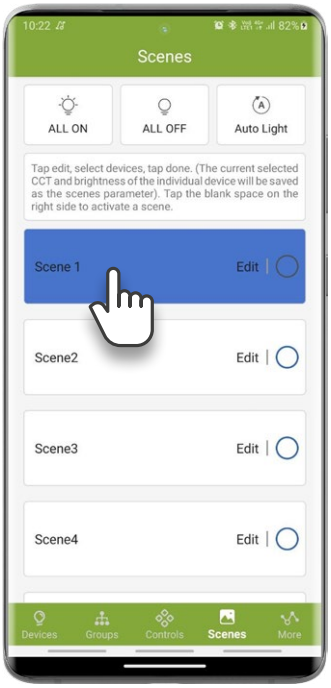
To create a scene, manually adjust the brightness of the intended sensors in the **Devices** tab

1 Manually configure the brightness of the luminaires

2 Tap **Edit** in the **Scenes** tab



3 Select fixtures by tapping circles → Tap **Done**



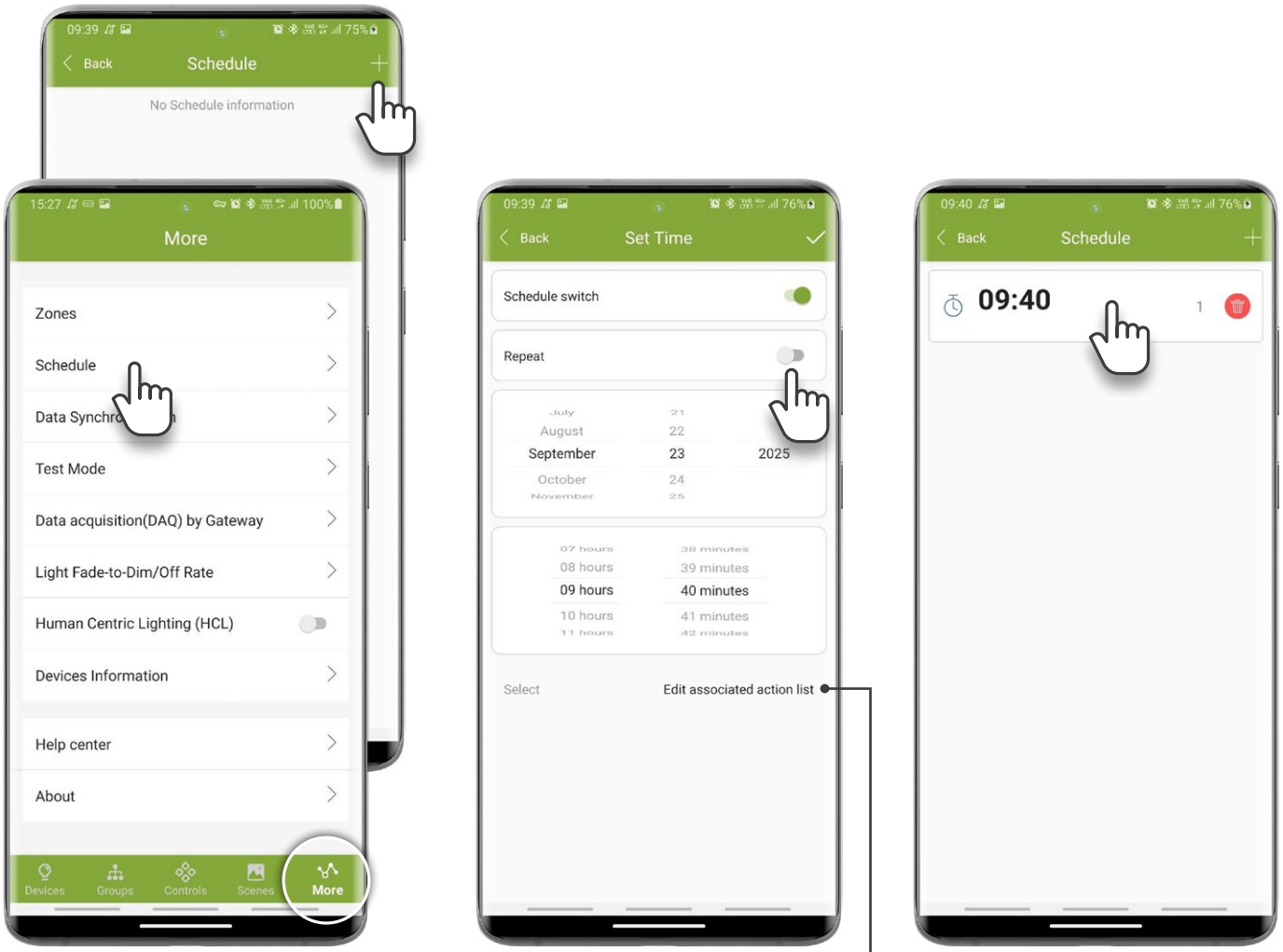
4 To activate, tap the scene name (active scenes highlight in blue)

Notes:

Scenes override motion/daylight sensors (manual control only)

Timer

Schedule lighting changes for specific dates/times (applies to fixtures, groups, or scenes).

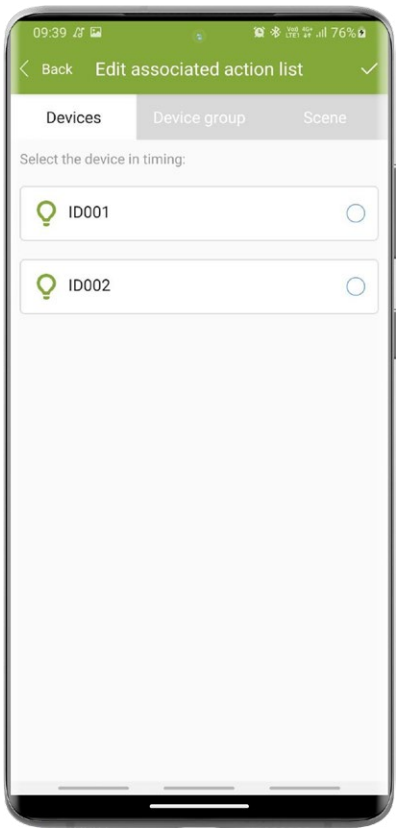


1. In the **More** tab, tap **Schedule** → Tap **+**
2. Set **Repeat** (days/times)
3. Tap **Edit Associated Action List** to link fixtures/groups/scenes
4. Long-press a timer to delete

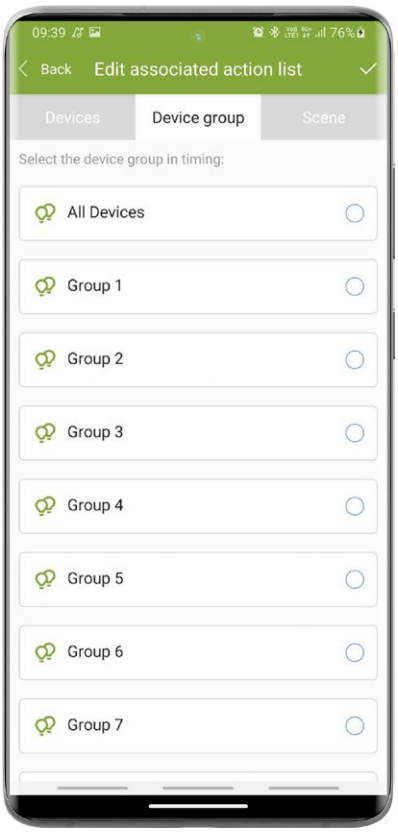
Notes:

With the GT-001-GE gateway, timer settings persist during power outages (up to 1 day)

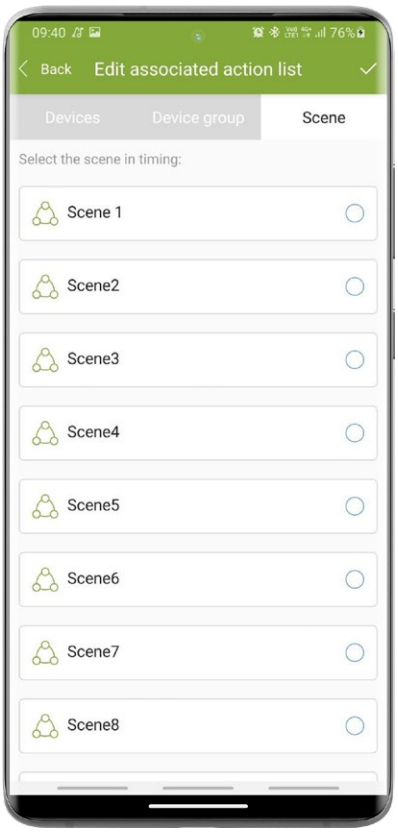
Timer



Selecting Target Sensors



Assigning Sensor Groups



Choosing Scenes for Activation

QR Codes Management

7.1 QR Code Types

When creating a zone, two QR codes can be generated:

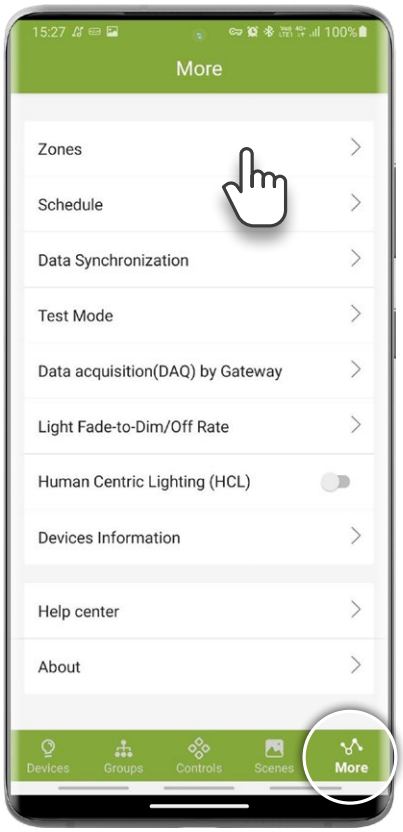
1. Advanced Permissions (Admin level):
Full control over all settings (add/delete fixtures, edit groups/scenes).

2. Basic Permissions (User level):
Allows dimming/scene activation only.

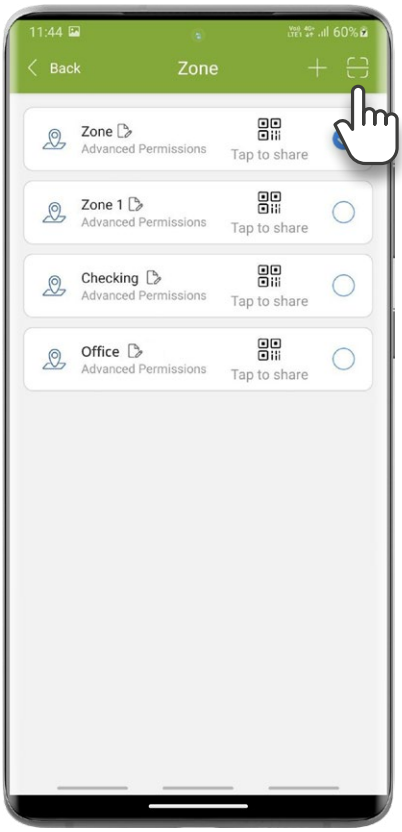
Notes:

Only users with Advanced QR codes can share Advanced codes.

7.2 Scanning a QR Code



1 In the **More** tab, tap **Zones**

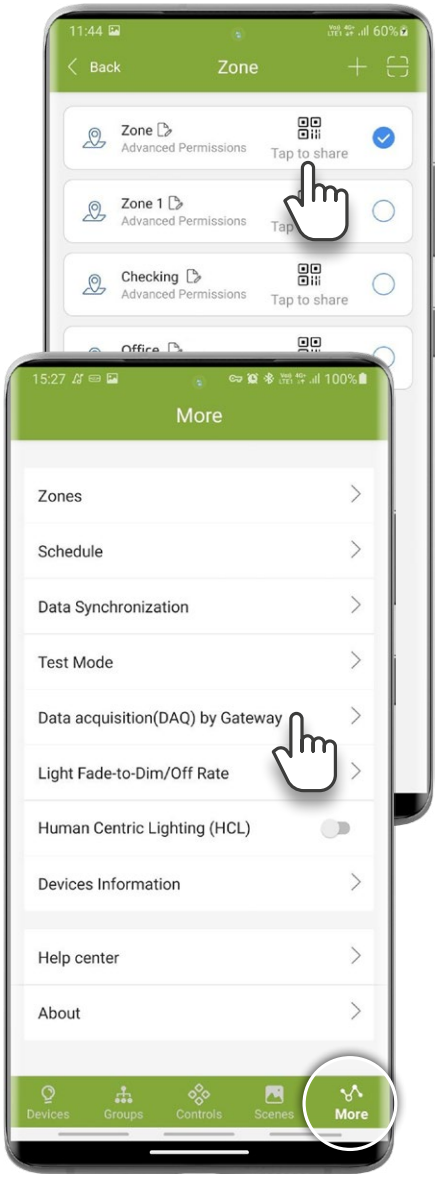


2 Tap to scan the QR code

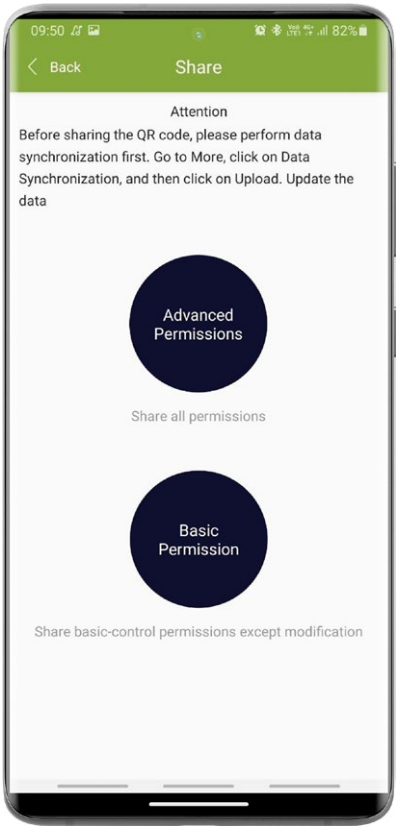
3 Scan the QR code

QR Codes Management

7.3 Sharing/Saving QR Codes

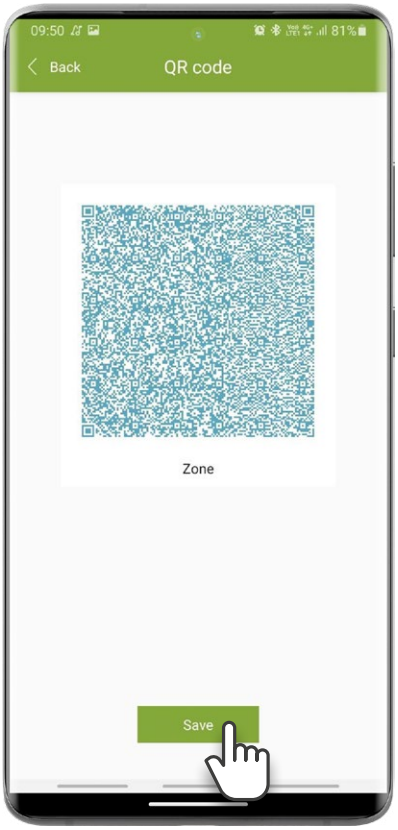


1. In the **More** tab, tap **Zones**
2. Select a zone → **Tap to share**



3. Choose permission level:

   Admin or User



4. Options:

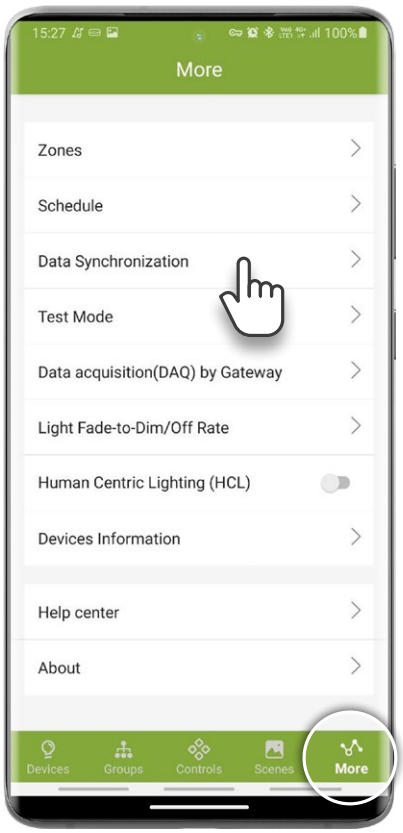
   Save to Gallery: Tap **Save** (stores in phone album)

   Share: Export from gallery via messaging/email

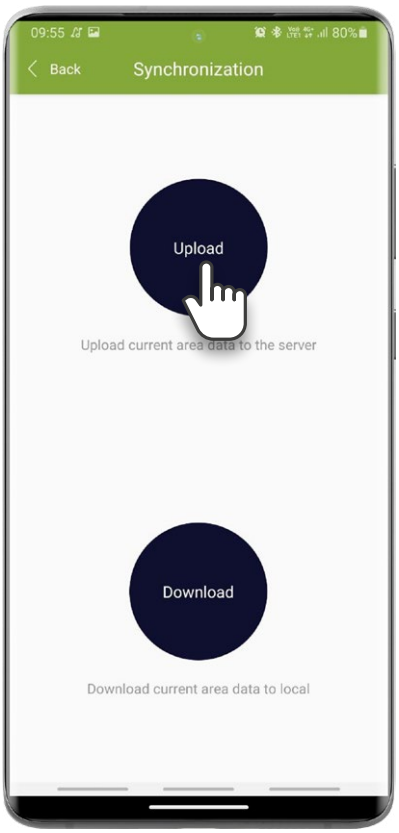
Zone Data Synchronization

8.1 Upload to Cloud

For sharing updated settings:



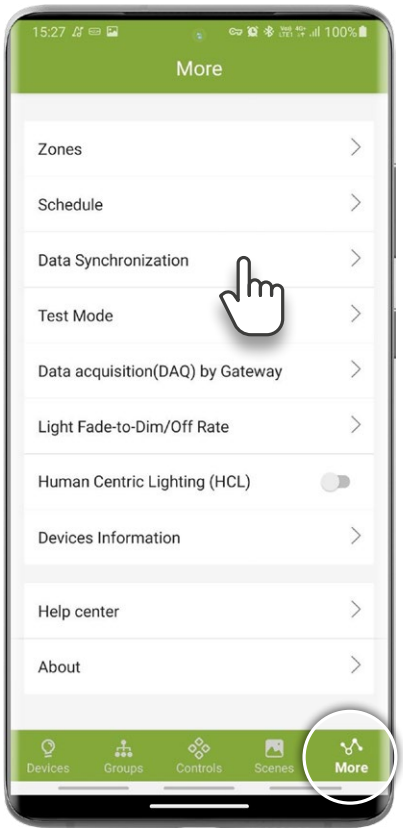
1 In the **More** tab, tap **Data Synchronization**



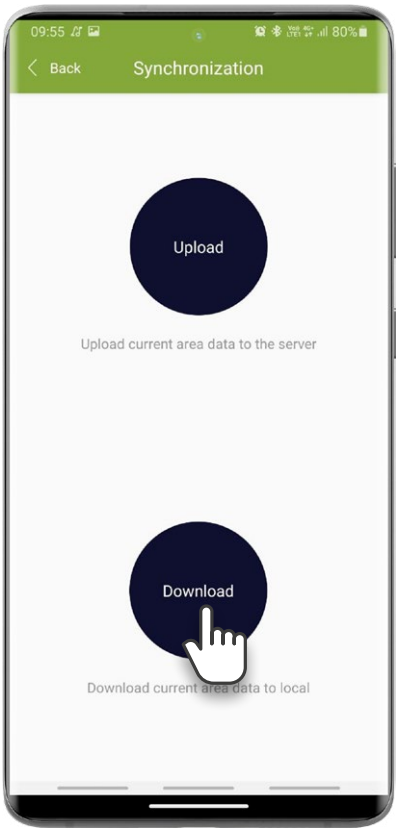
2 Tap **Upload** to save changes to the cloud

Zone Data Synchronization

8.2 Download from Cloud



1 In the **More** tab, tap **Data Synchronization**



2 Tap **Download**

3 If the zone doesn't exist, scan its QR code first

8.3 Remote Commissioning Workflow

Step 1: Customer

1 Create zone

2 Share zone QR code

3 Specify sensor requirements

Step 2: Technician

4 Scan QR code

5 Configure sensor parameters

6 Upload to cloud

Step 3: Customer

7 Download data via **Data Synchronization**

8 Add fixtures to app

9 Assign sensors to groups

10 **Mandatory:**

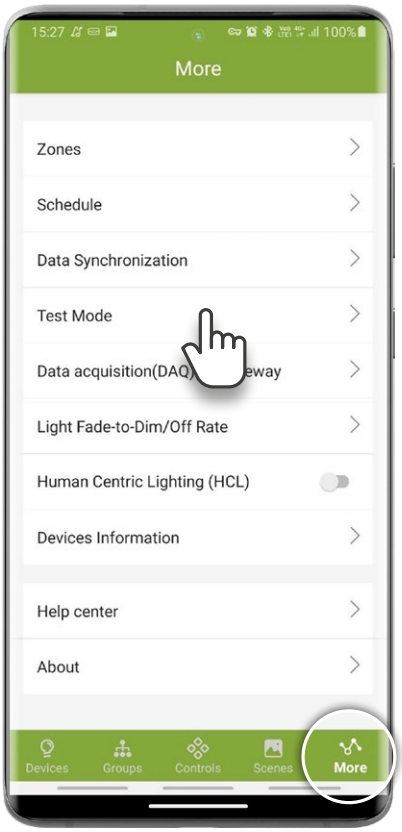
Upload final settings to cloud

Test Mode

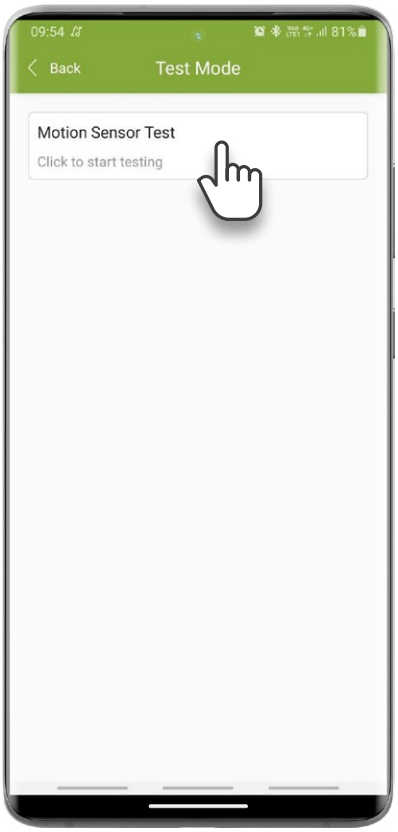
1. Behavior:
Full control over all settings (add/delete fixtures, edit groups/scenes)

2. Duration:
Auto-cancels after 3 minutes

3. Activation:



1 In the **More** tab, tap **Test Mode**



2 Tap to start