BLTC Network Corp

FIREBEE 2.1.0 Training



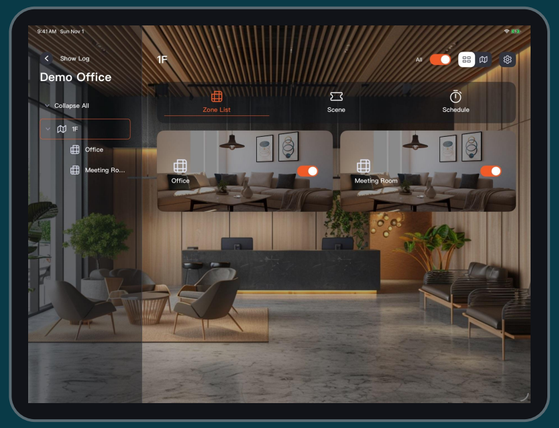
Presented By : Gary Hsu

INTRODUCTION

The FireBEE App is more than a lighting control tool.
It is a centralized management platform
that brings devices, systems, and automation together for smart lighting.



NETWORK



Bluetooth
MESH

NETWORK 1 — 1000 X

NETWORK 2 — 1000 X

NETWORK 3 — 1000 X

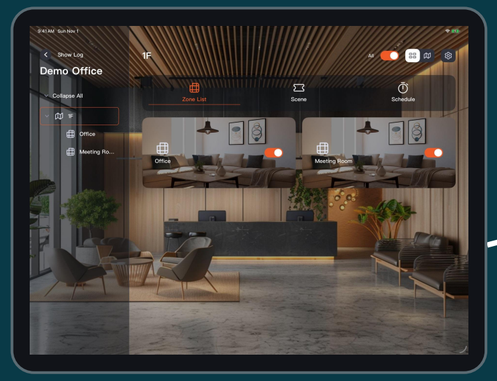
NETWORK 4 — 1000 X

- *One network can control up to 1,000 devices.*
- *With GATEWAYs, up to 6,000 devices are supported.*

** Only one network can be controlled at a time. Up to three networks can be added.*

BNC *BLTC NETWORK CORP*

NETWORK



4G 5G

NETWORK 1

NETWORK 2

NETWORK 3

NETWORK 4

Bluetooth MESH

250 X

250 X

250 X

250 X

6000

- *Up to 24 GATEWAYs per network*
- *Each GATEWAY controls up to 250 lights*

** Up to 6,000 lights per network*

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Agenda

1. Initial Setup
2. Adding Devices
3. Light Control
4. Scenes
5. Daily Schedules
6. Schedules
7. Sensors
8. Remotes & Switches
9. Network Management
10. System Administration

1

Initial Setup

Sign in with Email, Apple, or Google.

On first use, the app guides you to create a network, a map, and a zone in order.

FireBEE is organized in four levels: network, map, zone, and configuration point.

Key Terms

- FireBEE organizes lighting in four levels. Each level sits inside the one before it.

1

Network

One site, such as an office building.

Example: Demo Office

›

2

Map

A floor or an area within the network.

Example: 1F

›

3

Zone

A room or space on the map. The basic unit of control.

Example: Office

›

4

Configuration Point

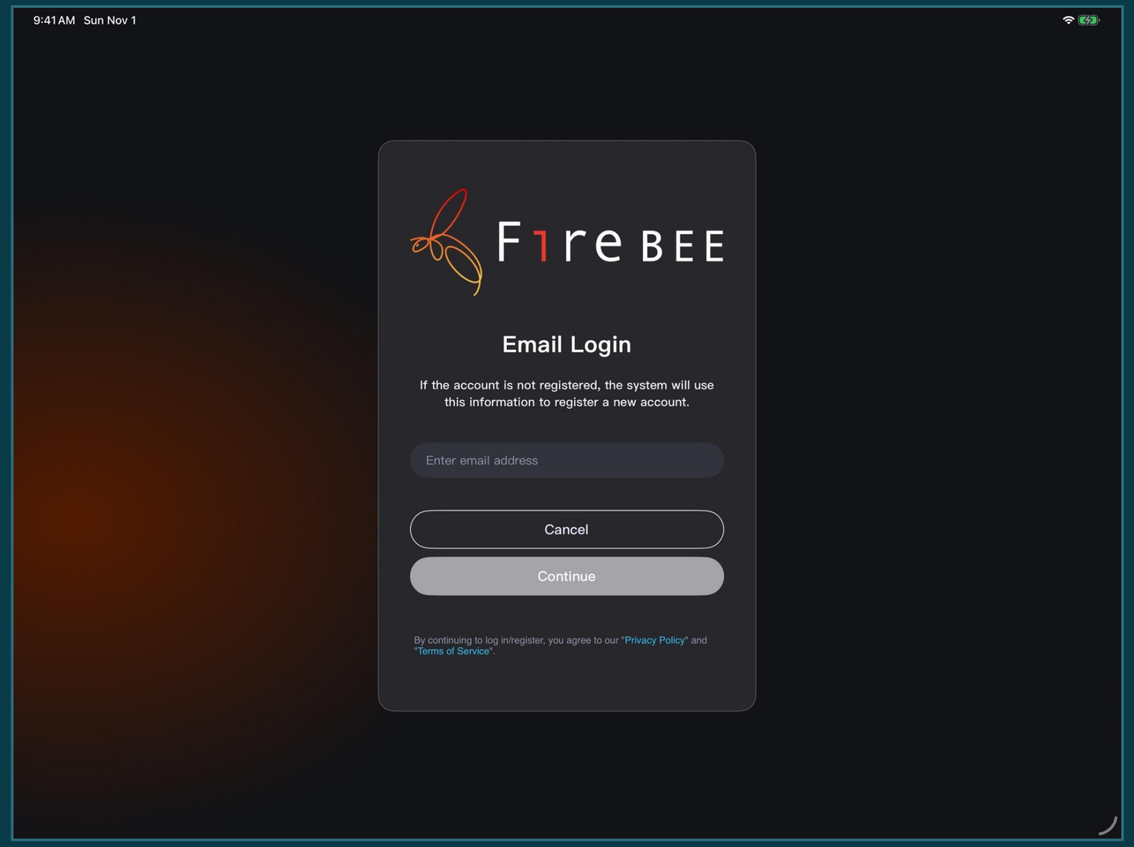
One light position in the zone.

Example: Desk Light 1

Sign In

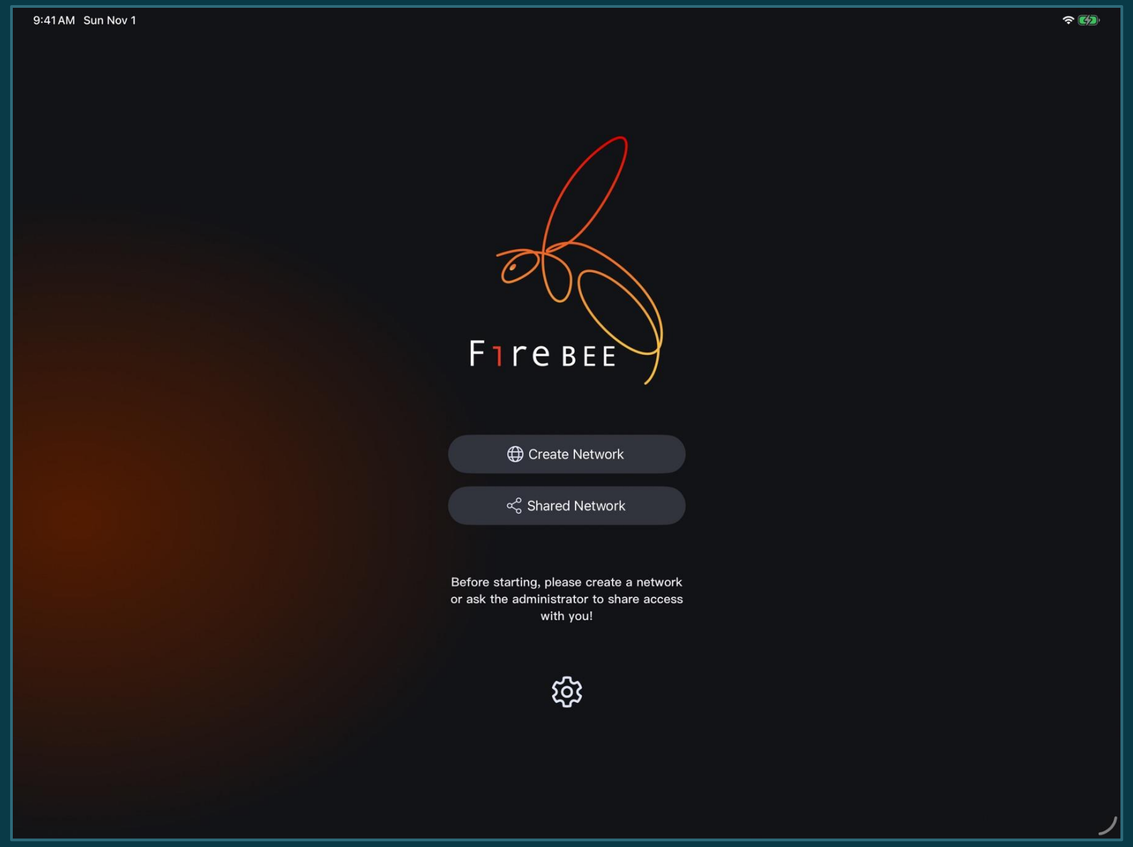


1 Open the app and choose a sign-in method

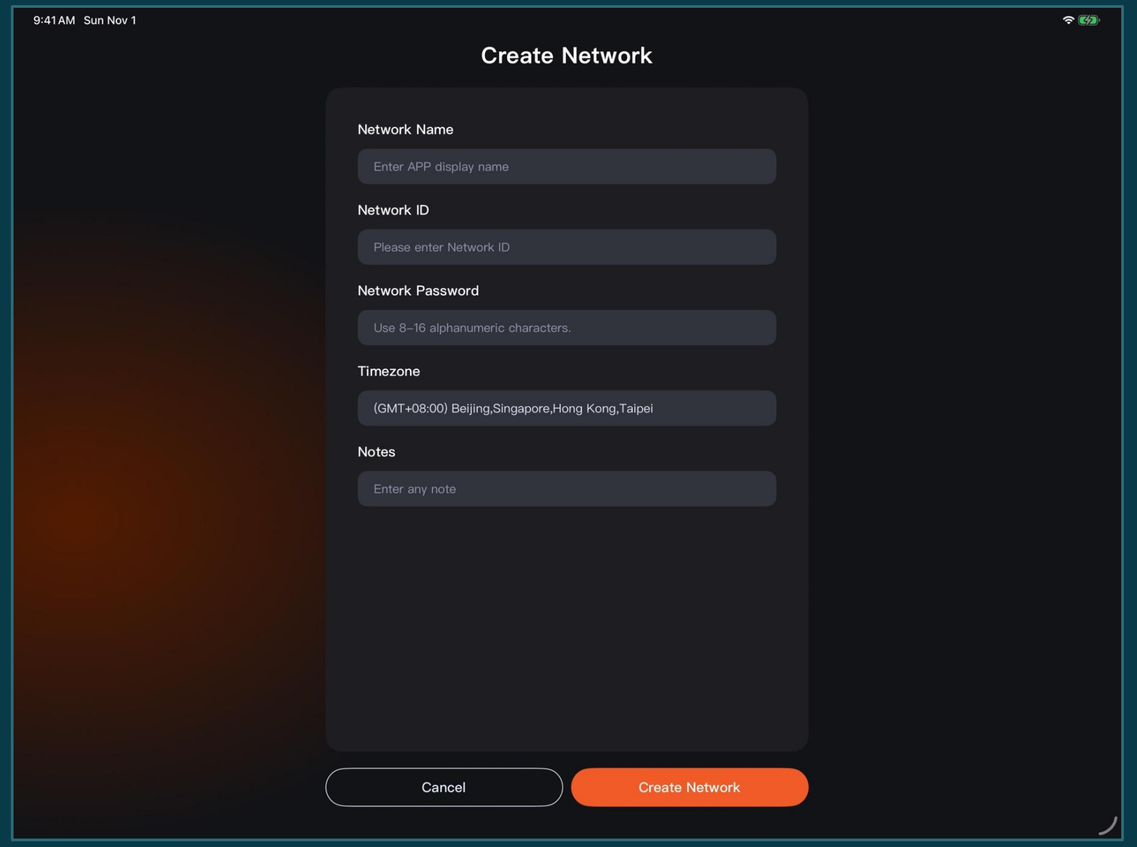


2 Tap Email Login and enter your email

Create a Network and Map



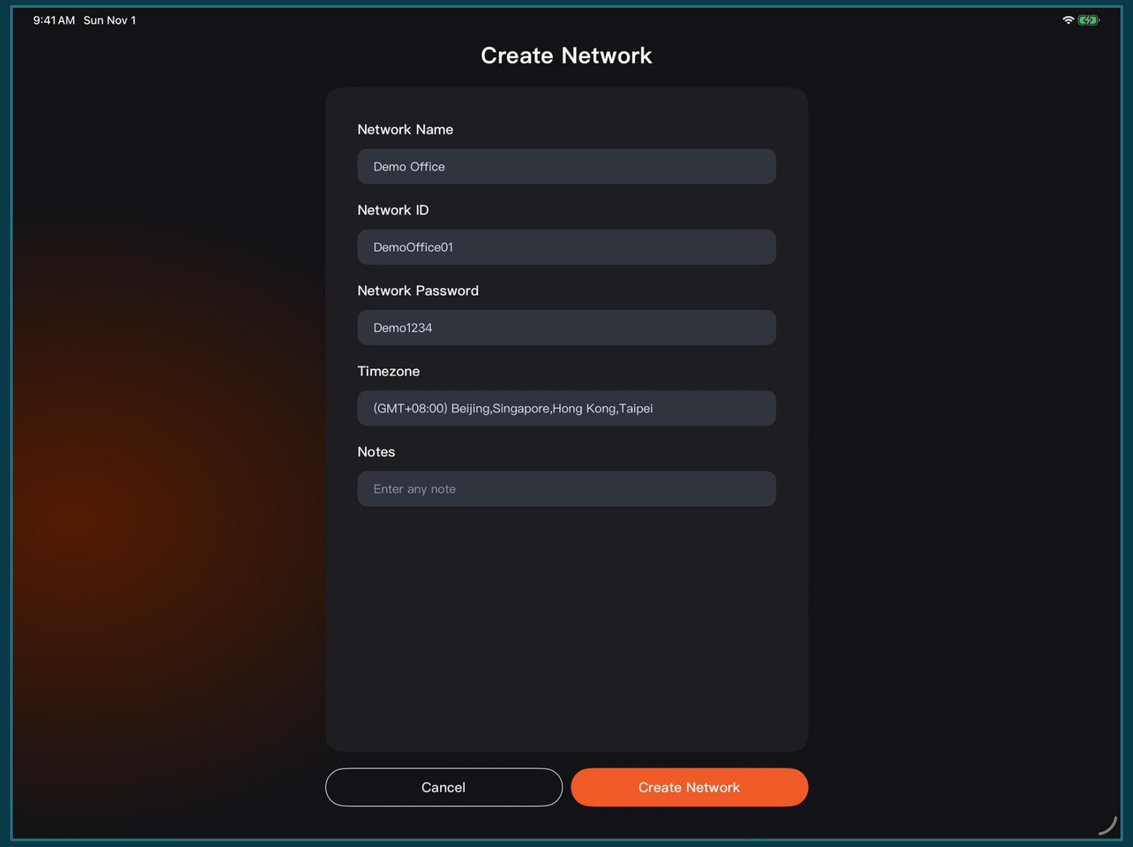
3 First launch with no network yet



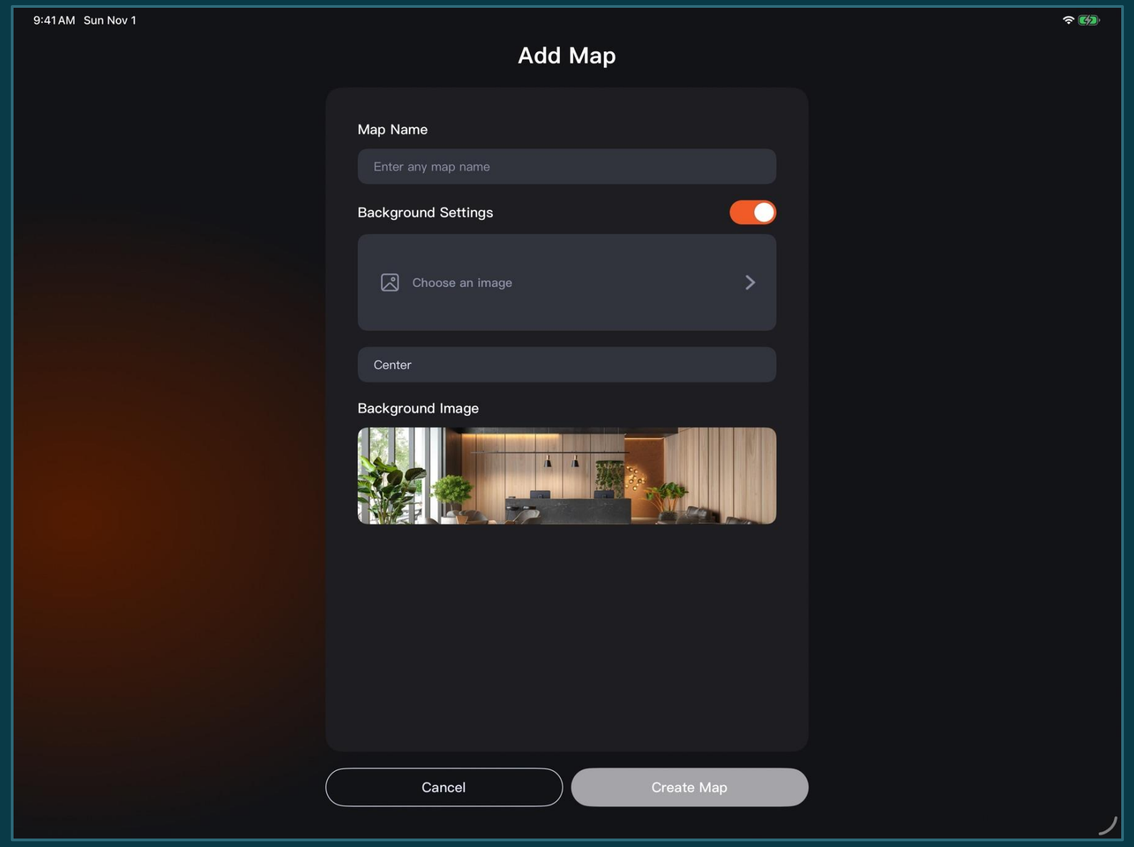
4 Tap Create Network

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Create a Network and Map



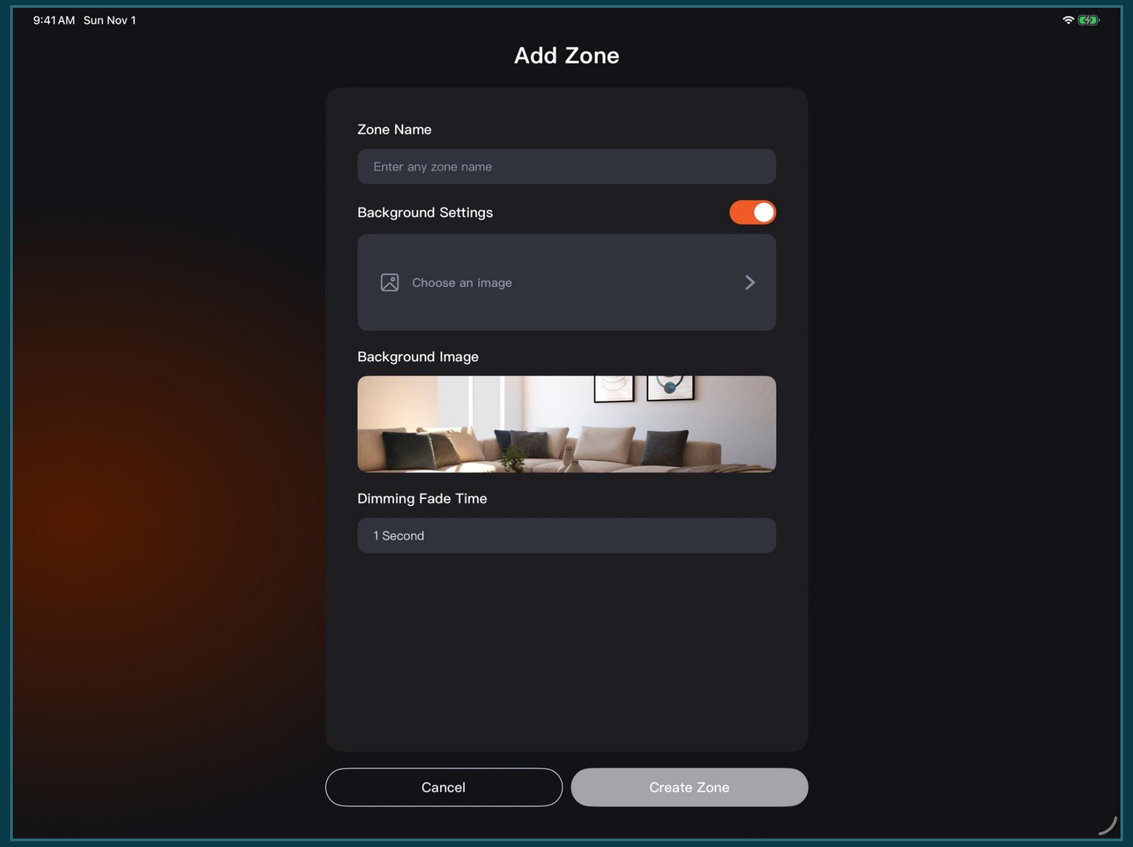
5 Enter Network Name "Demo Office", Network ID "DemoOffice01", and Network Password "Demo1234"



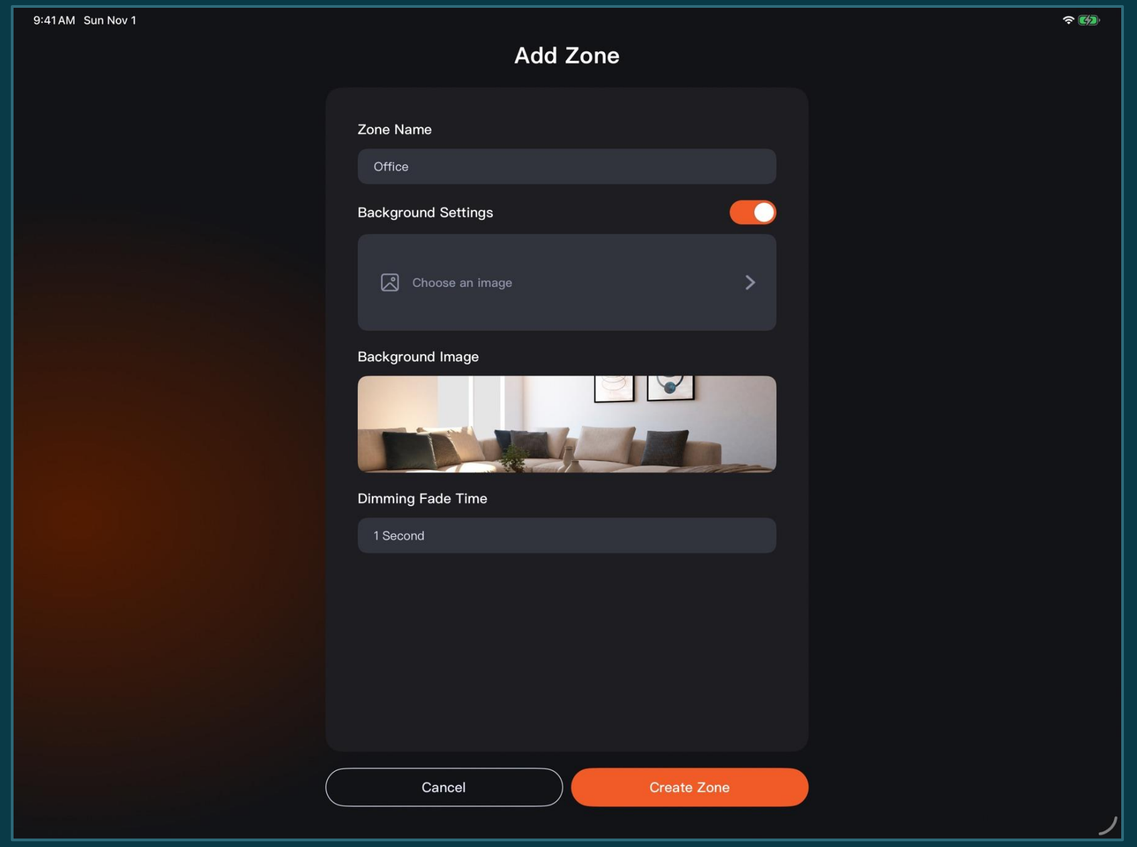
6 Tap Create Network

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Create a Zone

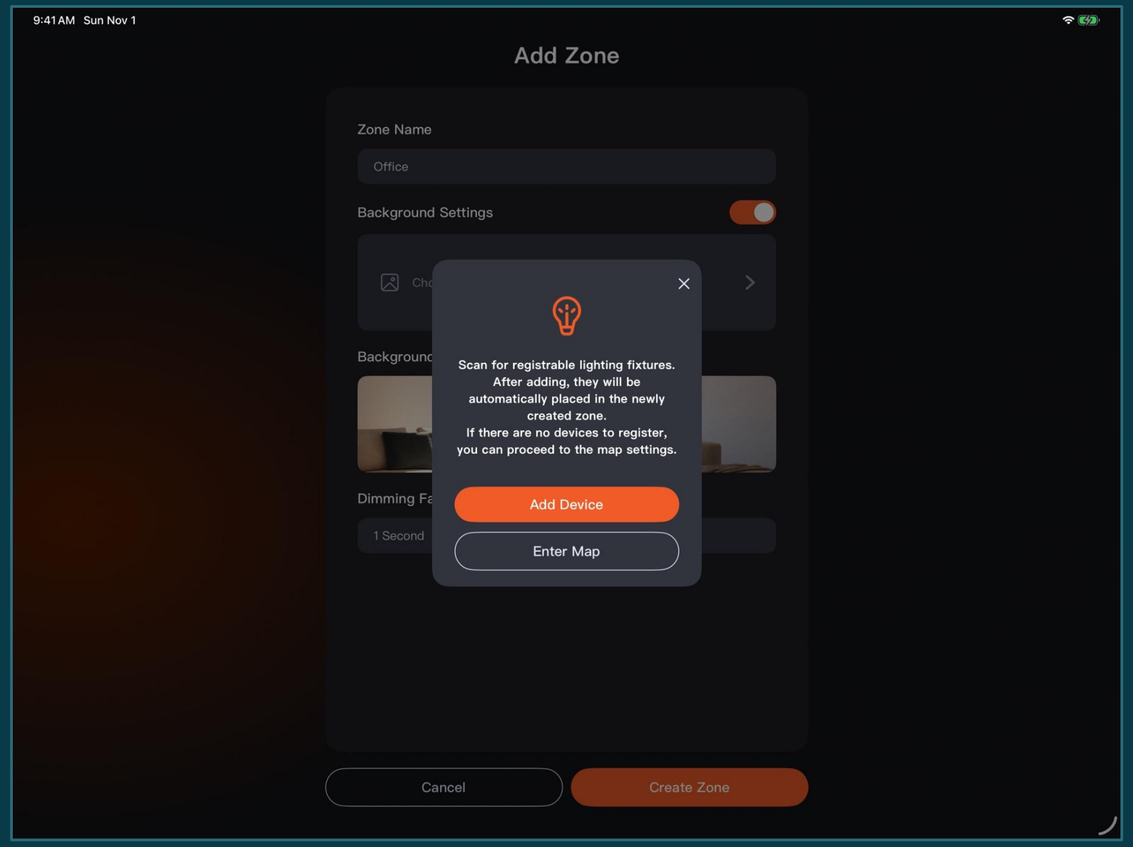


7 Enter Map Name "1F" and tap Create Map

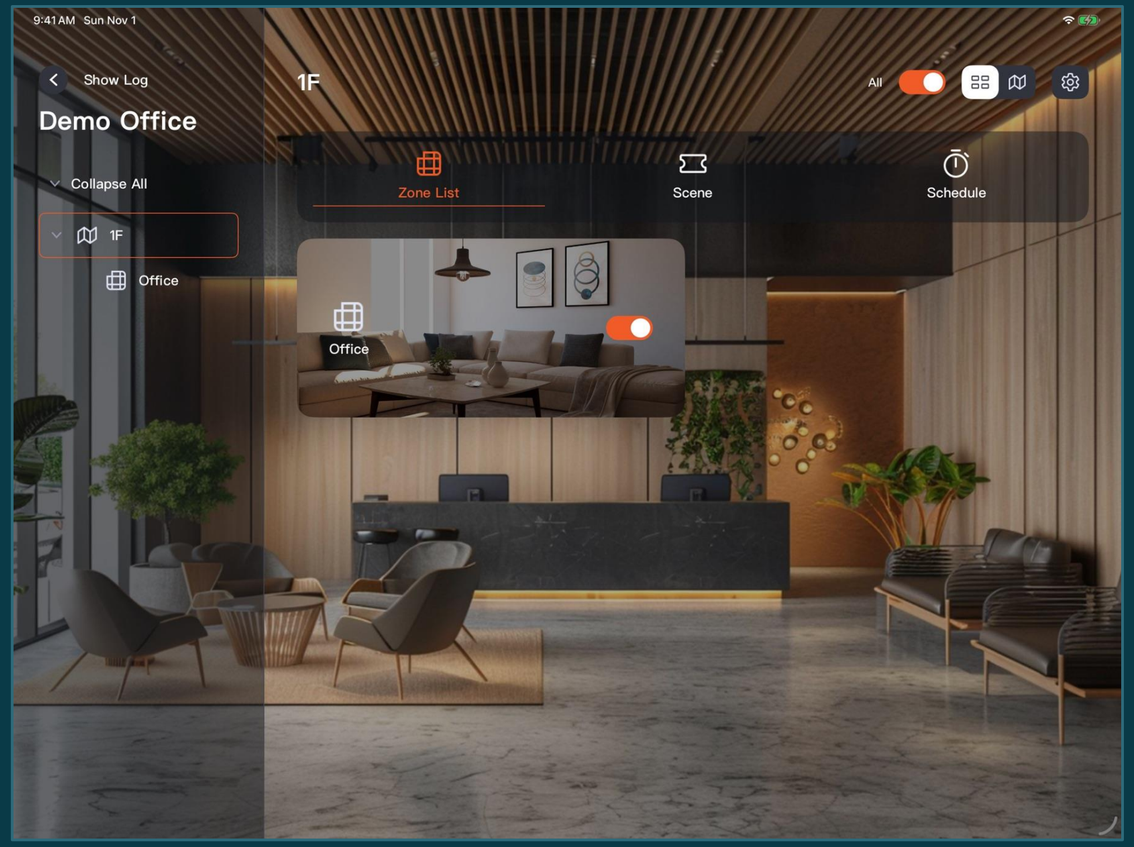


8 Enter Zone Name "Office"

Create a Zone



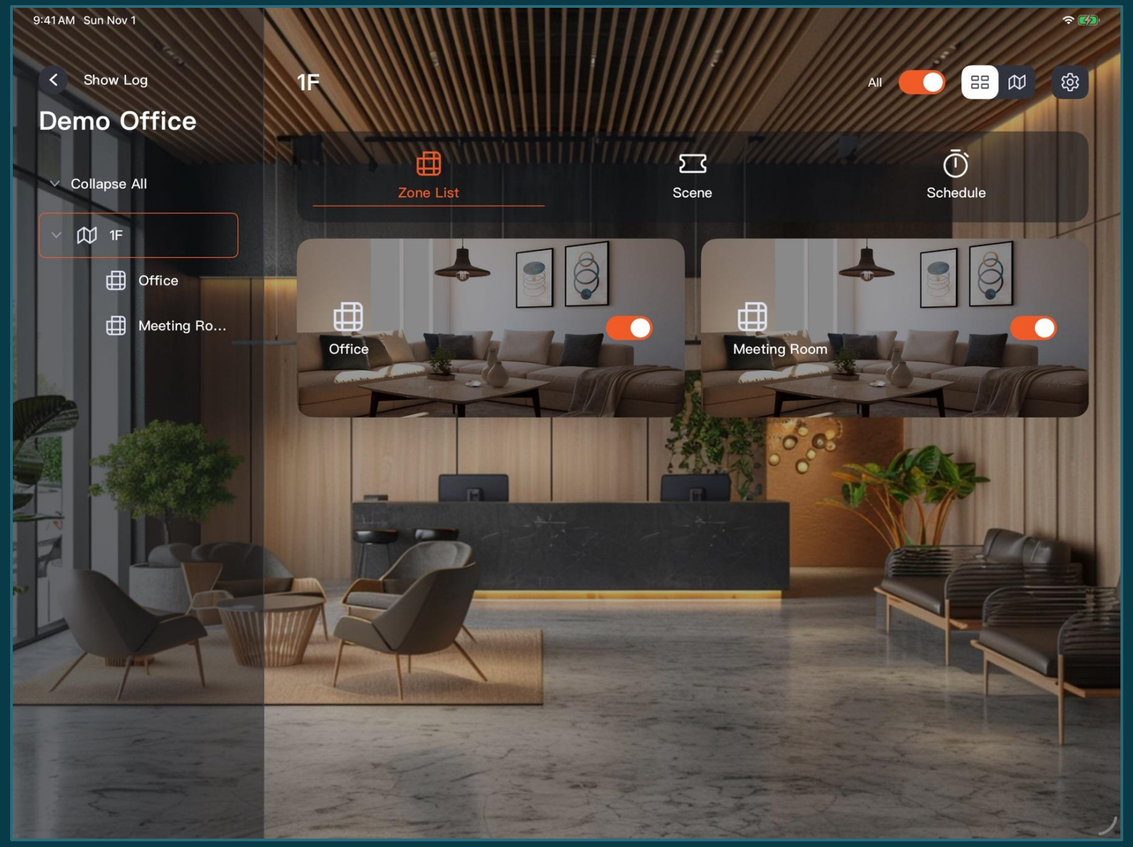
9 Tap Create Zone. The prompt offers Add Device to scan for lights now, or Enter Map to add them later



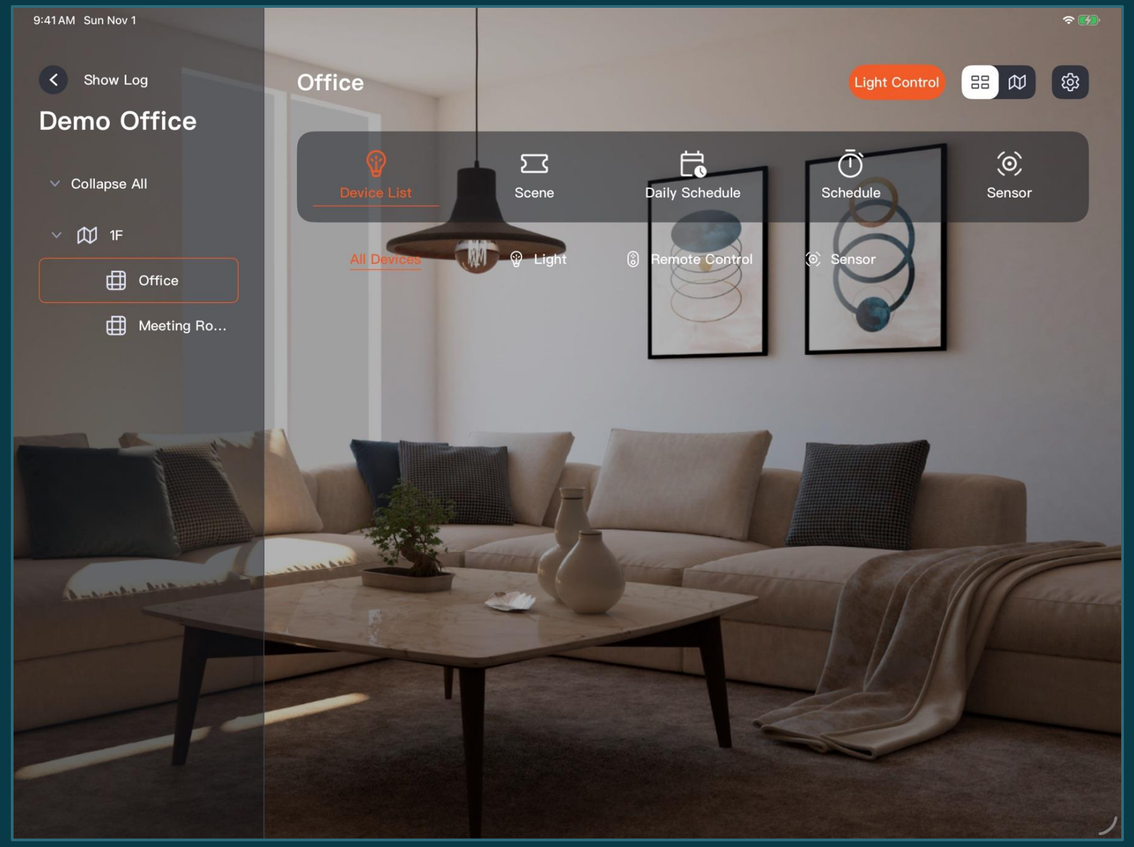
10 Tap Enter Map. In this course, devices are added later from Zone Settings (Topic 2)

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Get to Know the Screen



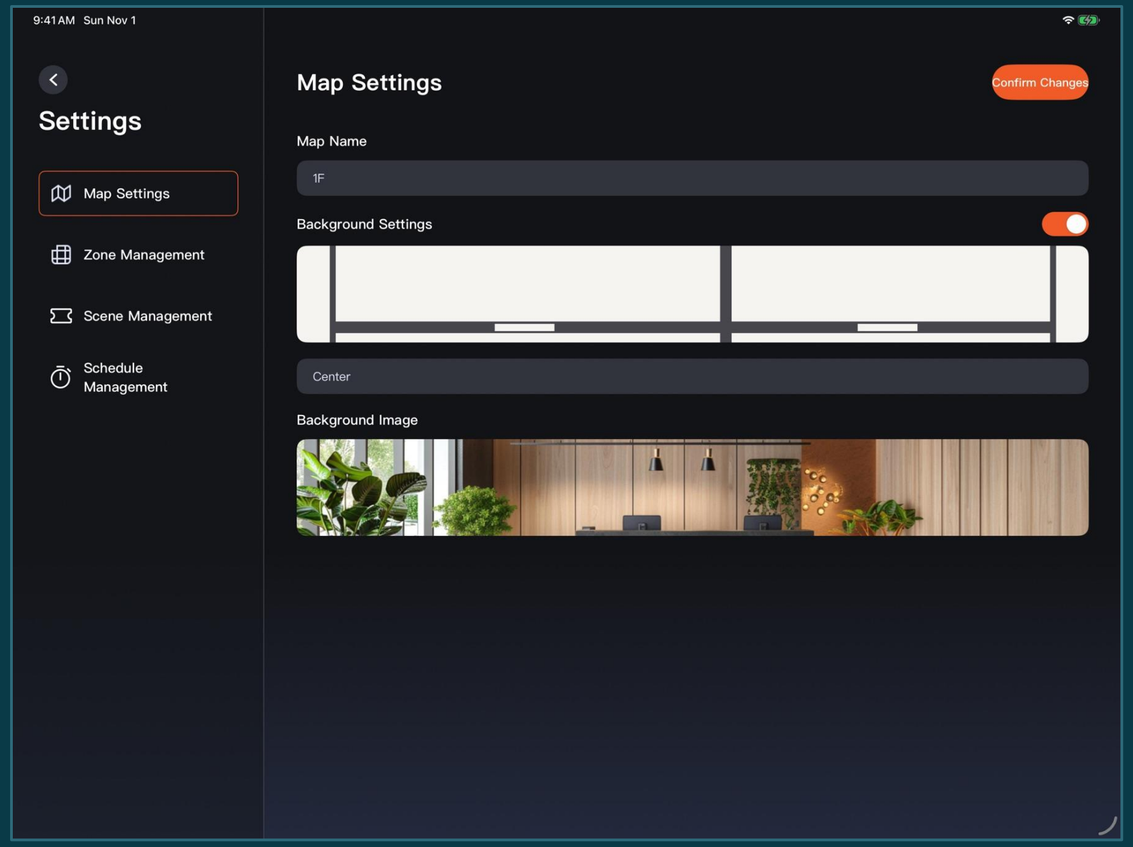
11 Map page: the sidebar shows the network, map, and zones. The gear icon opens the settings for this level



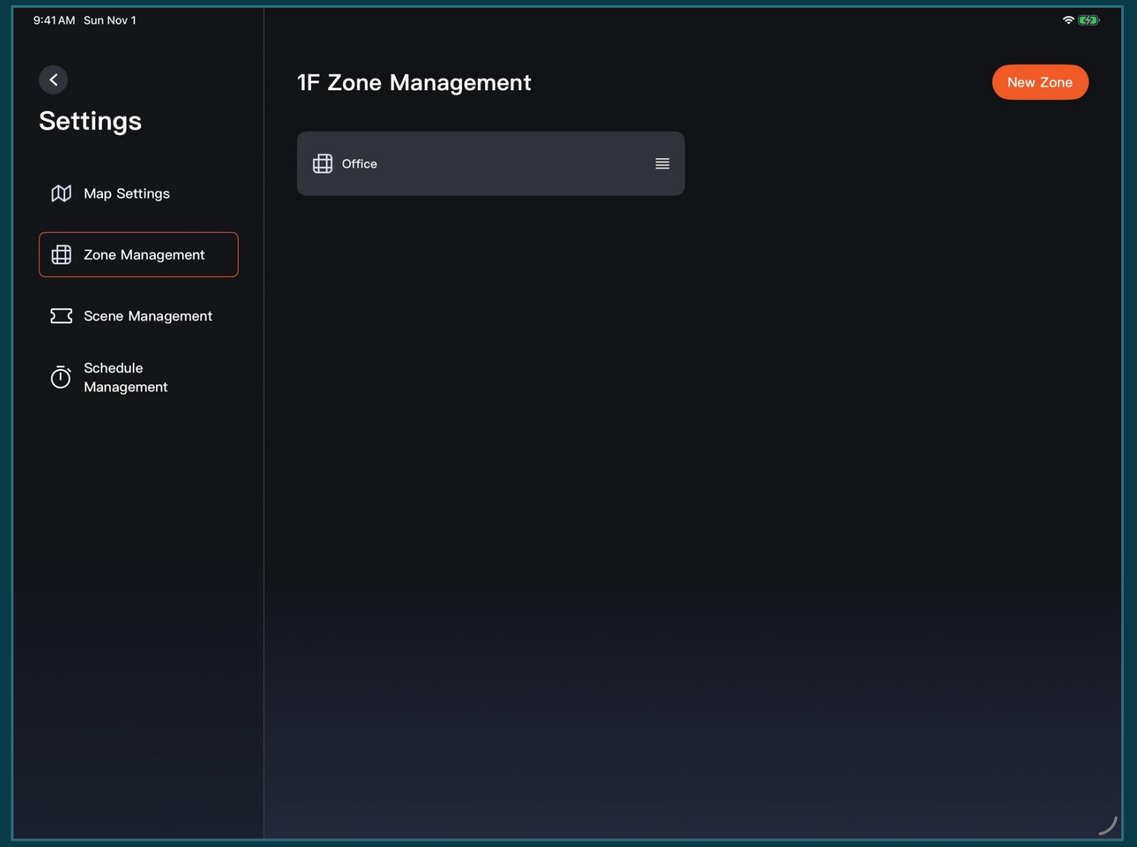
12 Tap Office in the sidebar. The zone page has five tabs: Device List, Scene, Daily Schedule, Schedule, and Sensor

Add a Second Zone

Path: 1F map page › gear icon (top right) › Zone Management



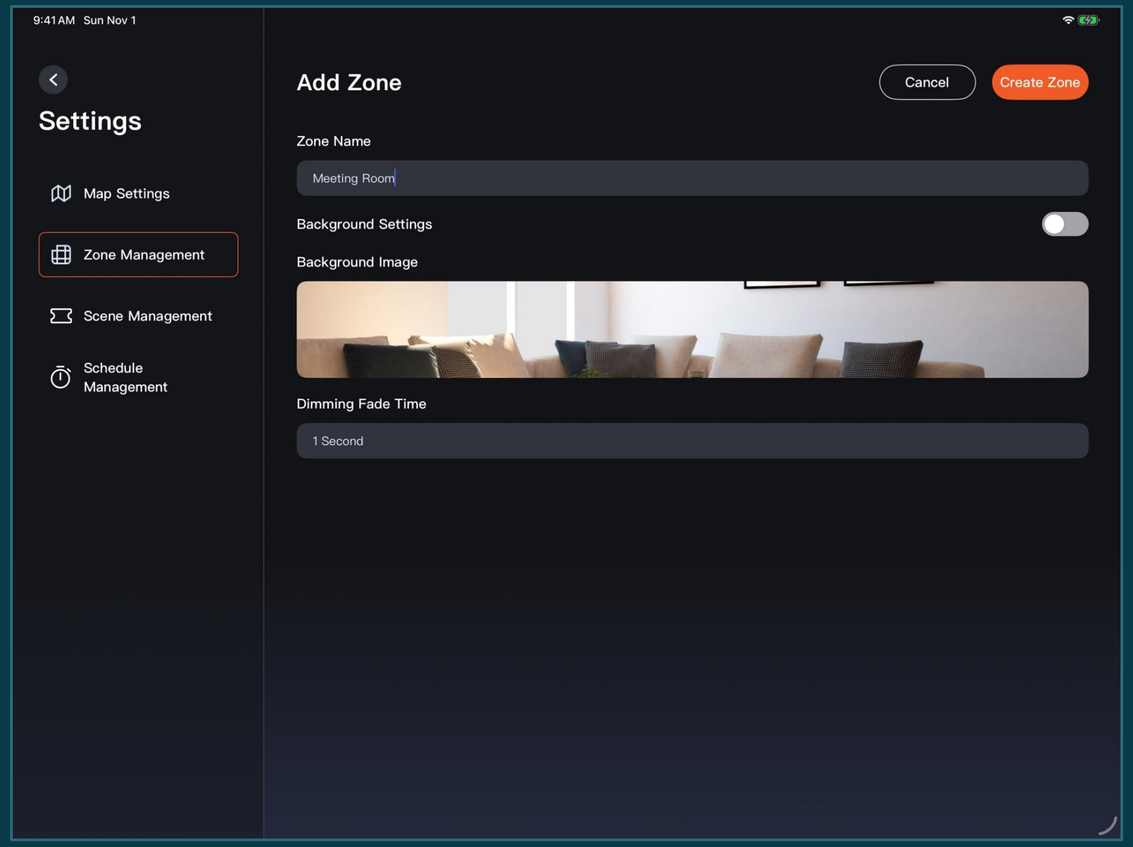
13 On the 1F map page, tap the gear icon at the top right to open Map Settings



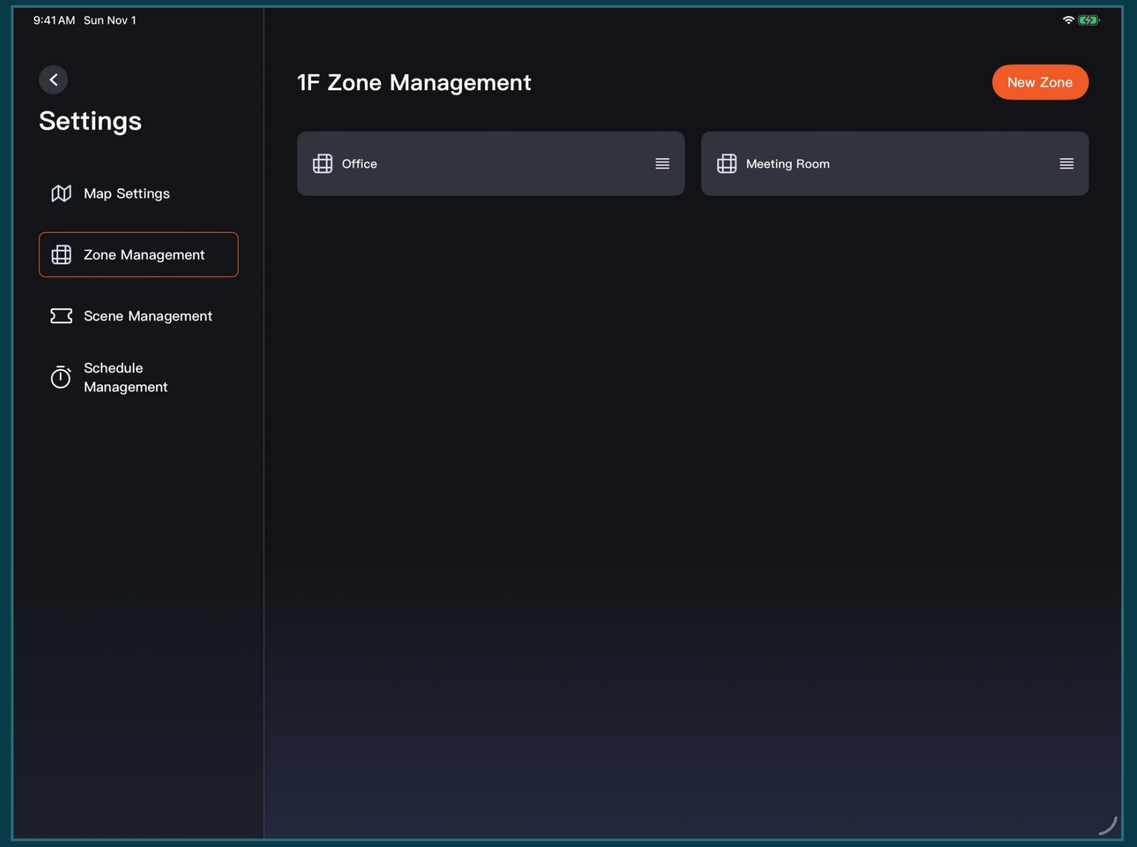
14 Tap Zone Management in the menu on the left

Add a Second Zone

Path: 1F map page › gear icon (top right) › Zone Management



15 Tap New Zone and enter Zone Name "Meeting Room"



16 Tap Create Zone

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2

Adding Devices

A configuration point is a light position in a zone. The device is bound to it.

Settings are kept on the configuration point, so a replaced device does not need to be set up again.

Devices are added by Wide Area Scan or Proximity Scan, then renamed and grouped.

What Is a Configuration Point?

- A configuration point is a light position in a zone, such as Desk Light 1. The physical device is bound to it.
- Scenes, schedules, sensor actions, and remote buttons are set on the configuration point, not on the device.
- When a device fails, replace only the device. The settings stay with the configuration point.

1

Device fails

The light at Desk Light 1 stops working.

2

Add the new device

Scan for the replacement light in the same zone.

3

Bind it

Bind the new light to the existing Desk Light 1 point.

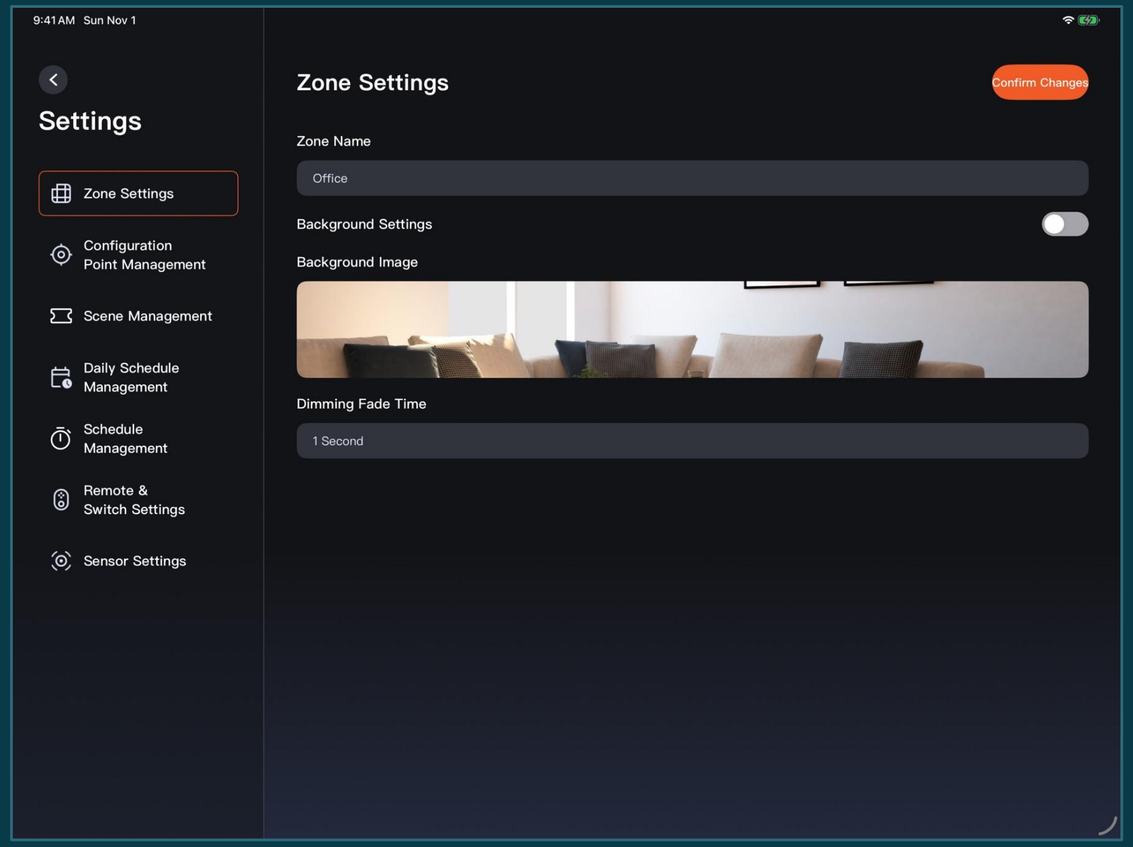
4

Settings still apply

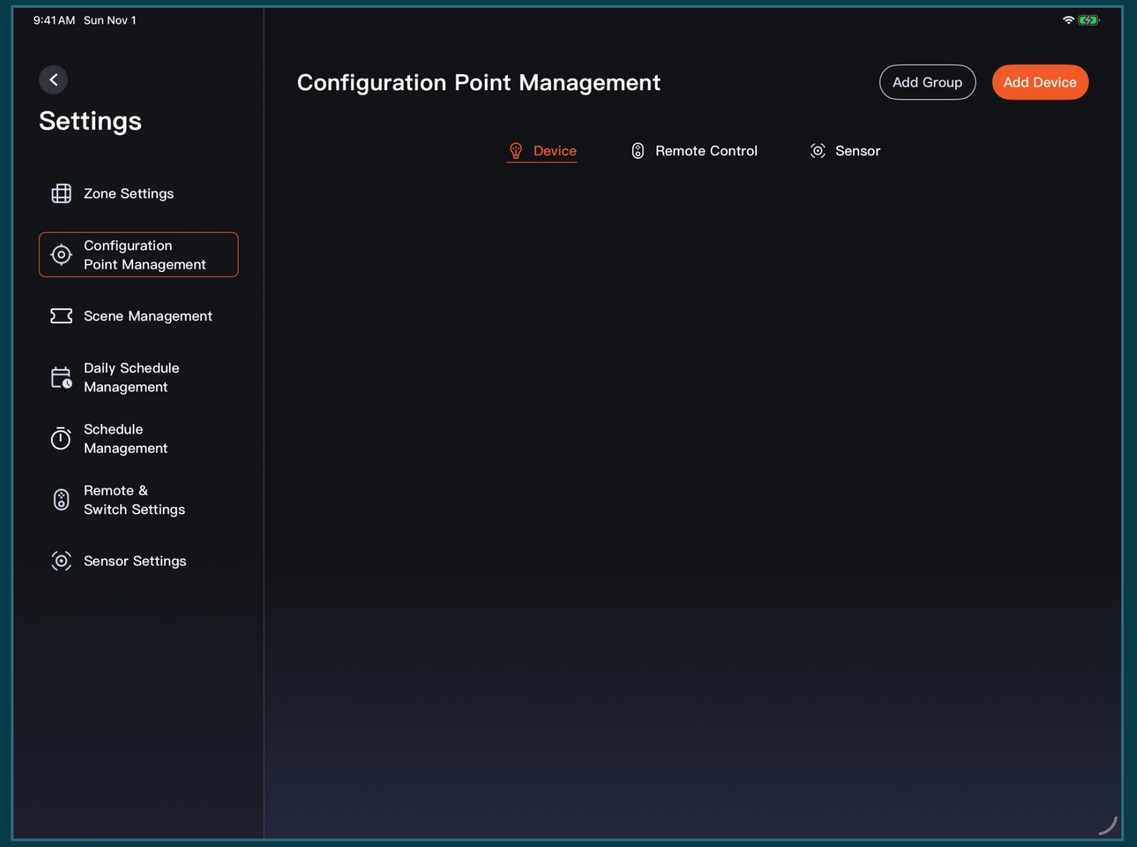
Scenes, schedules, and buttons work as before. No need to set them up again.

Configuration Point Management

Path: Zone page › gear icon (top right) › Configuration Point Management



1 Go back to the Office zone page and tap the gear icon at the top right

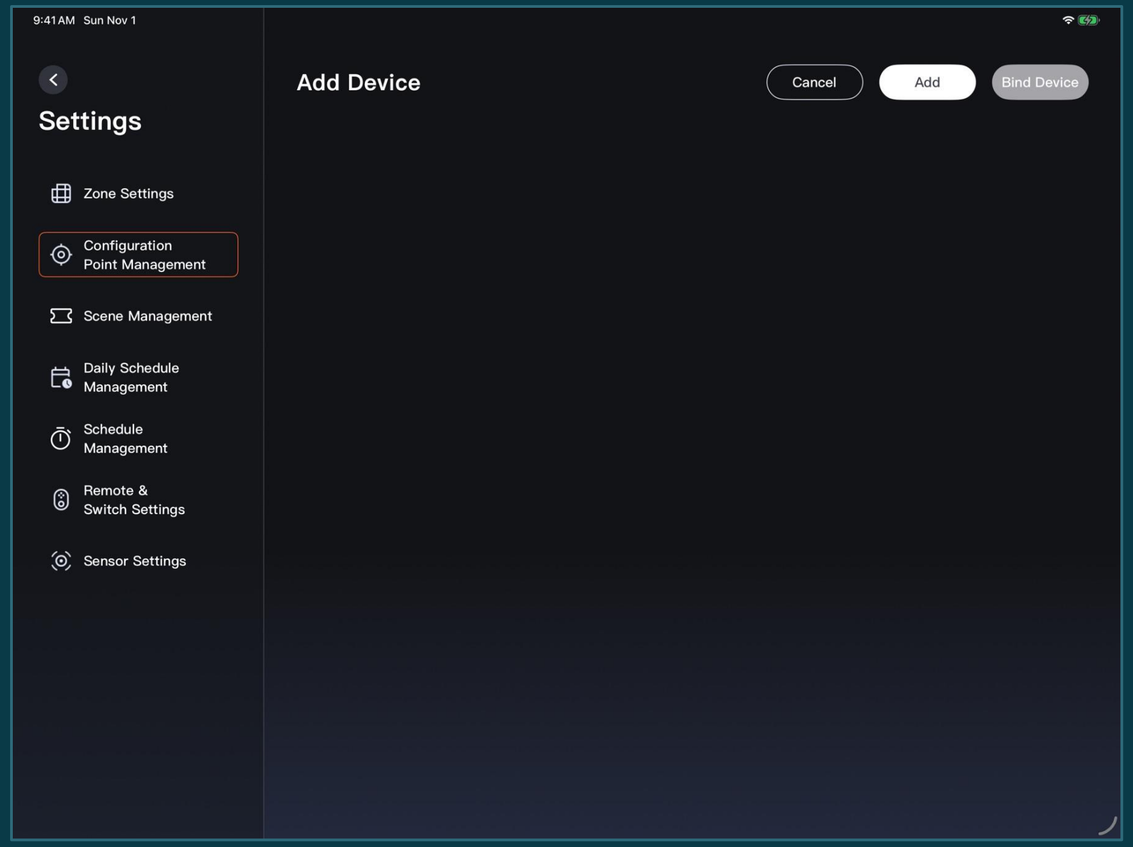


2 Tap Configuration Point Management

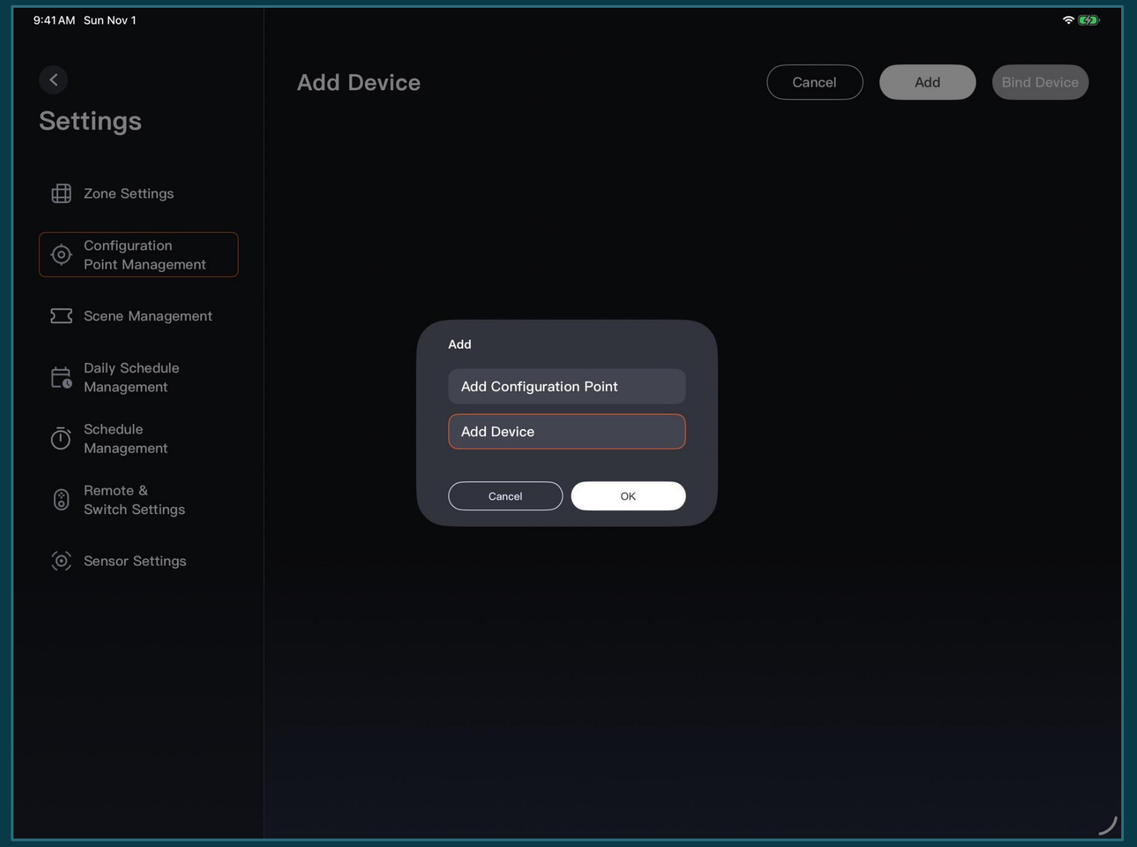
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Configuration Point Management

Path: Zone page › gear icon (top right) › Configuration Point Management

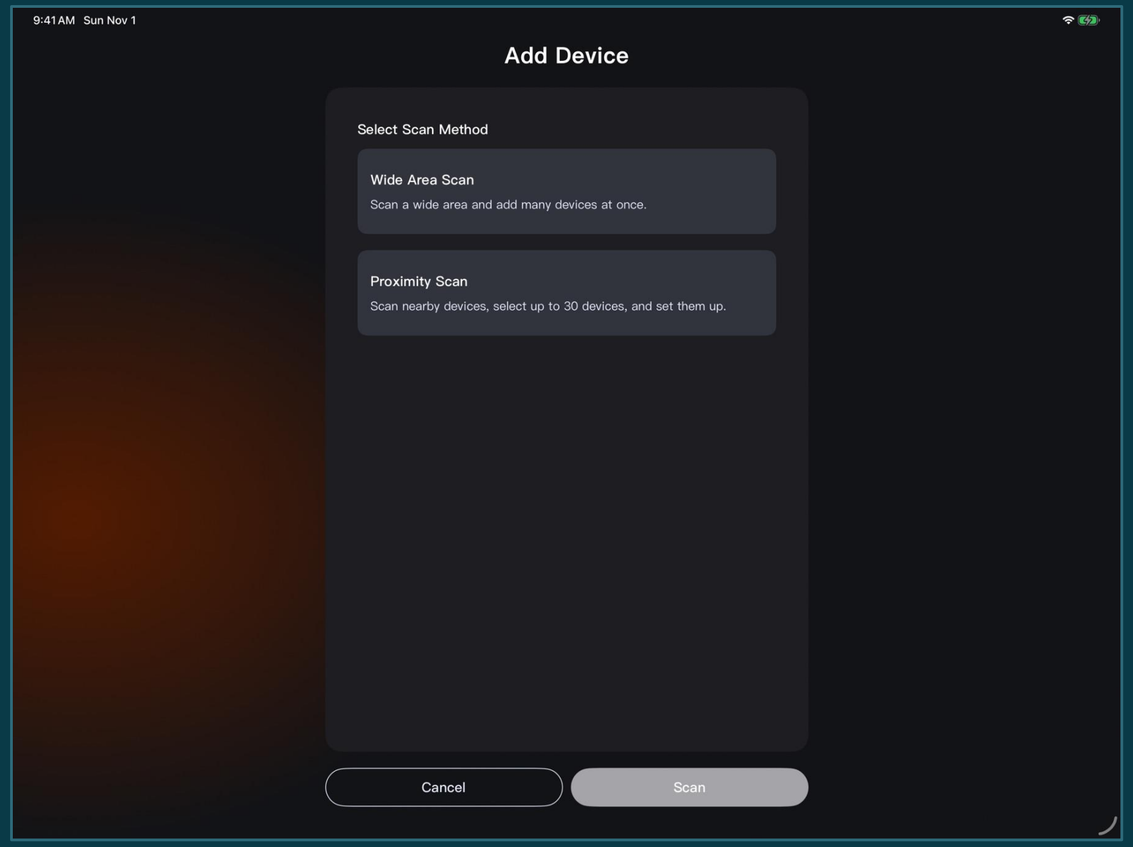


3 Tap Add Device

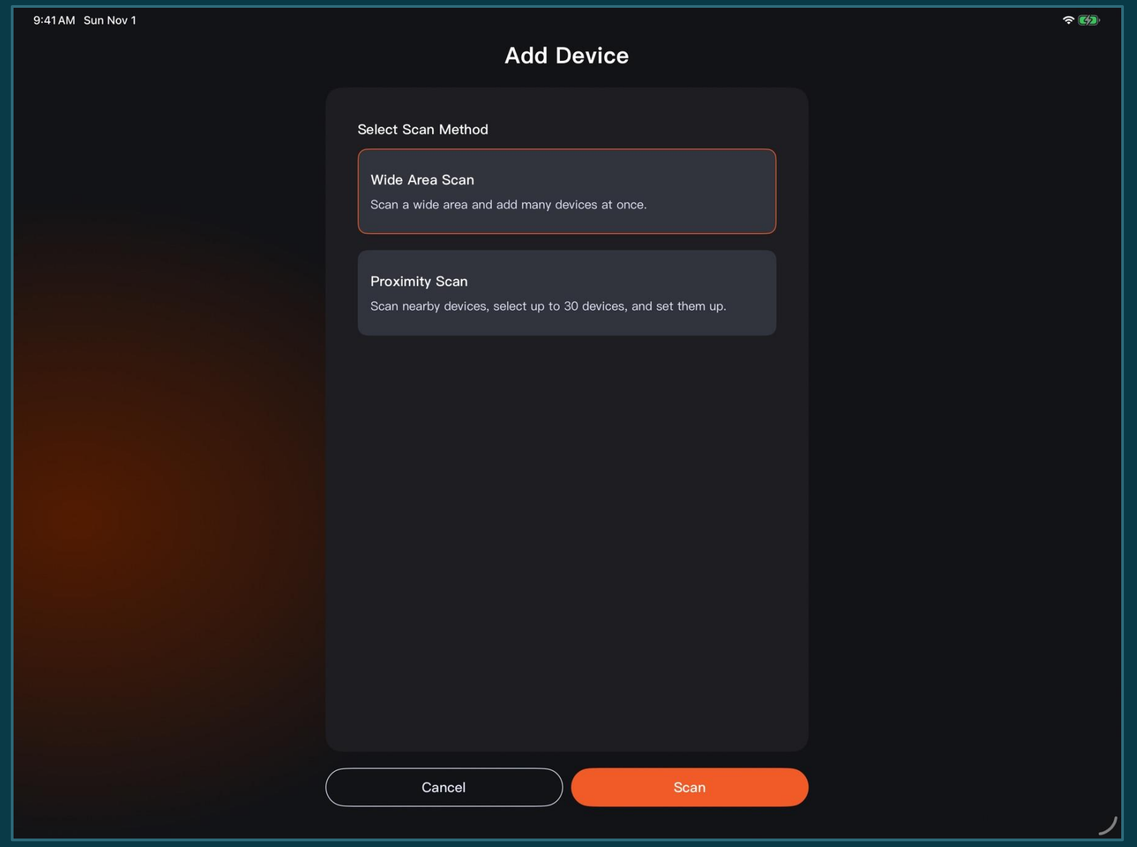


4 Tap Add and choose Add Device

Scan for Devices

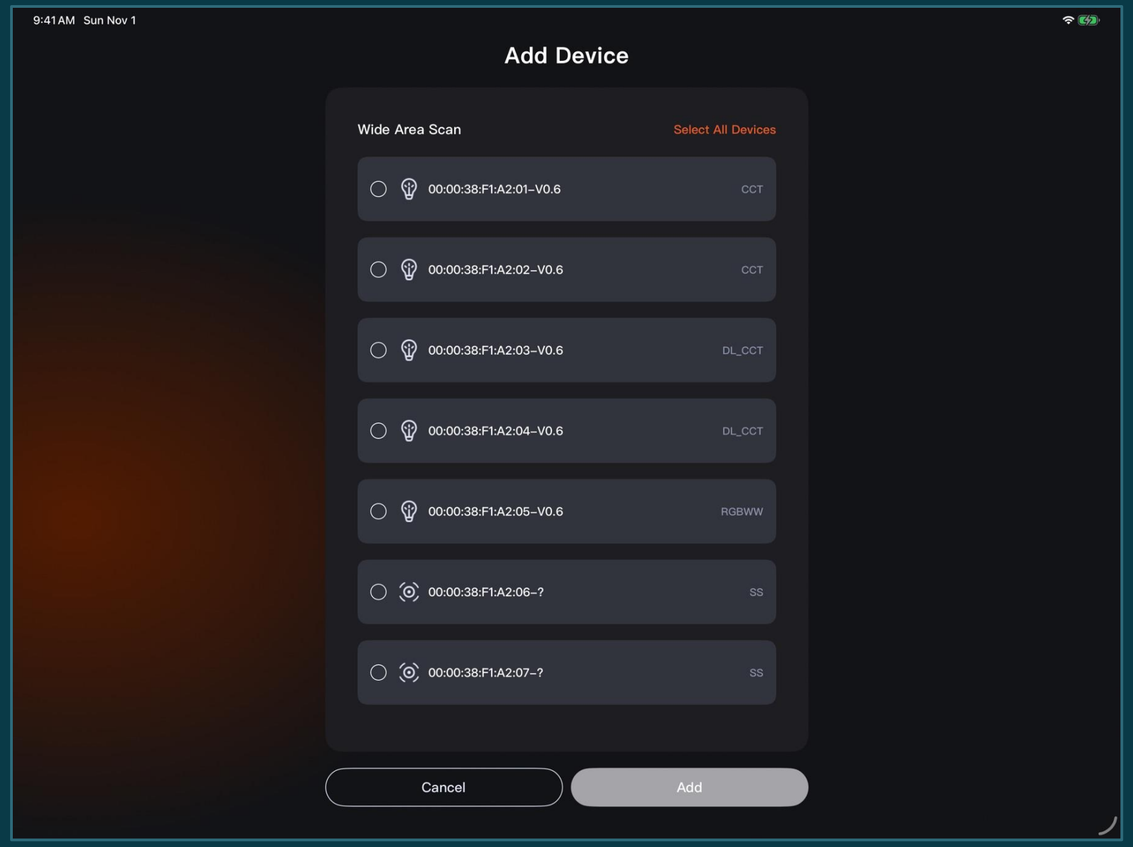


5 Tap OK

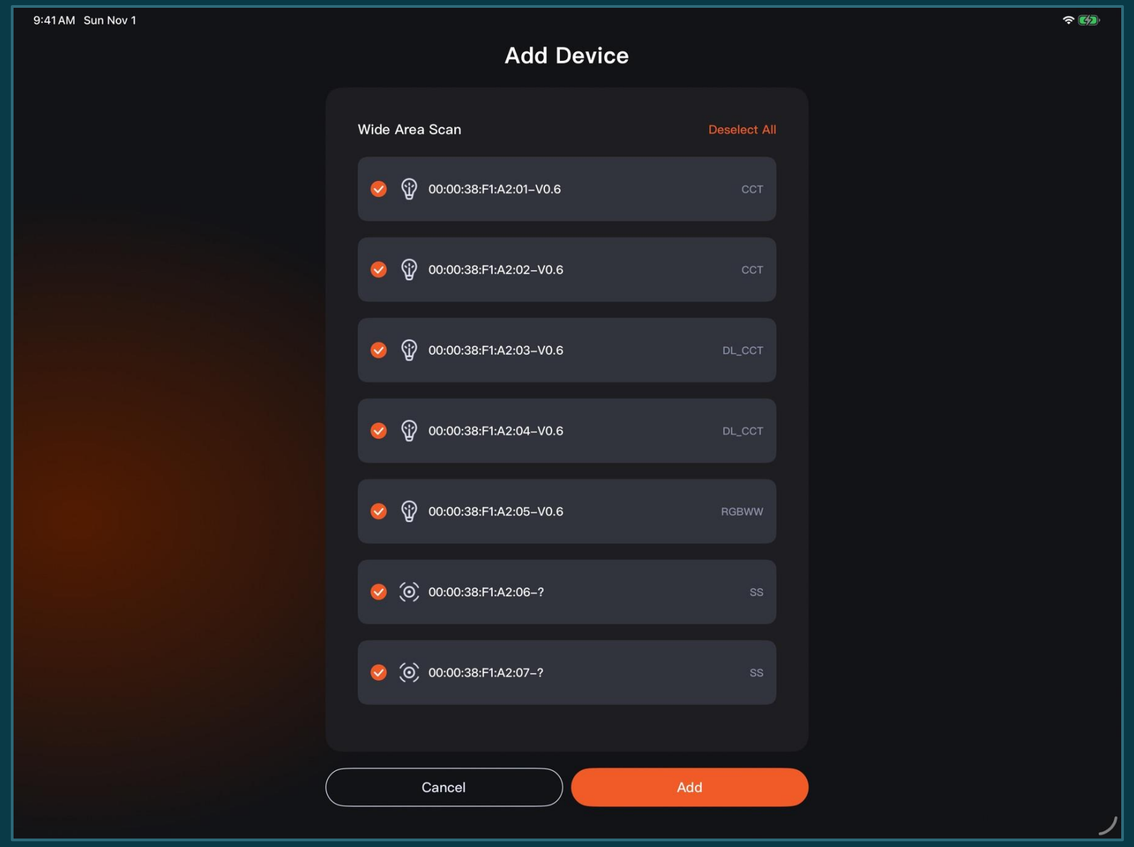


6 Tap Wide Area Scan

Scan for Devices

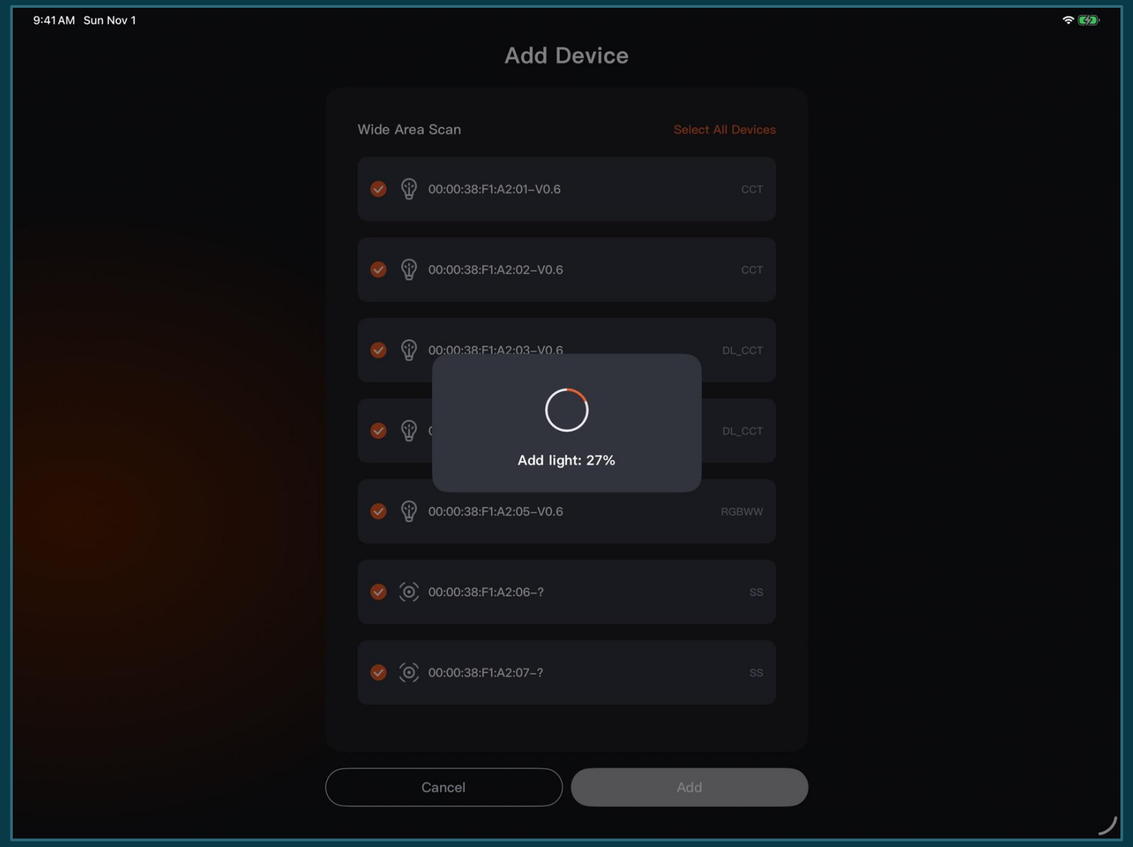


7 Tap Scan

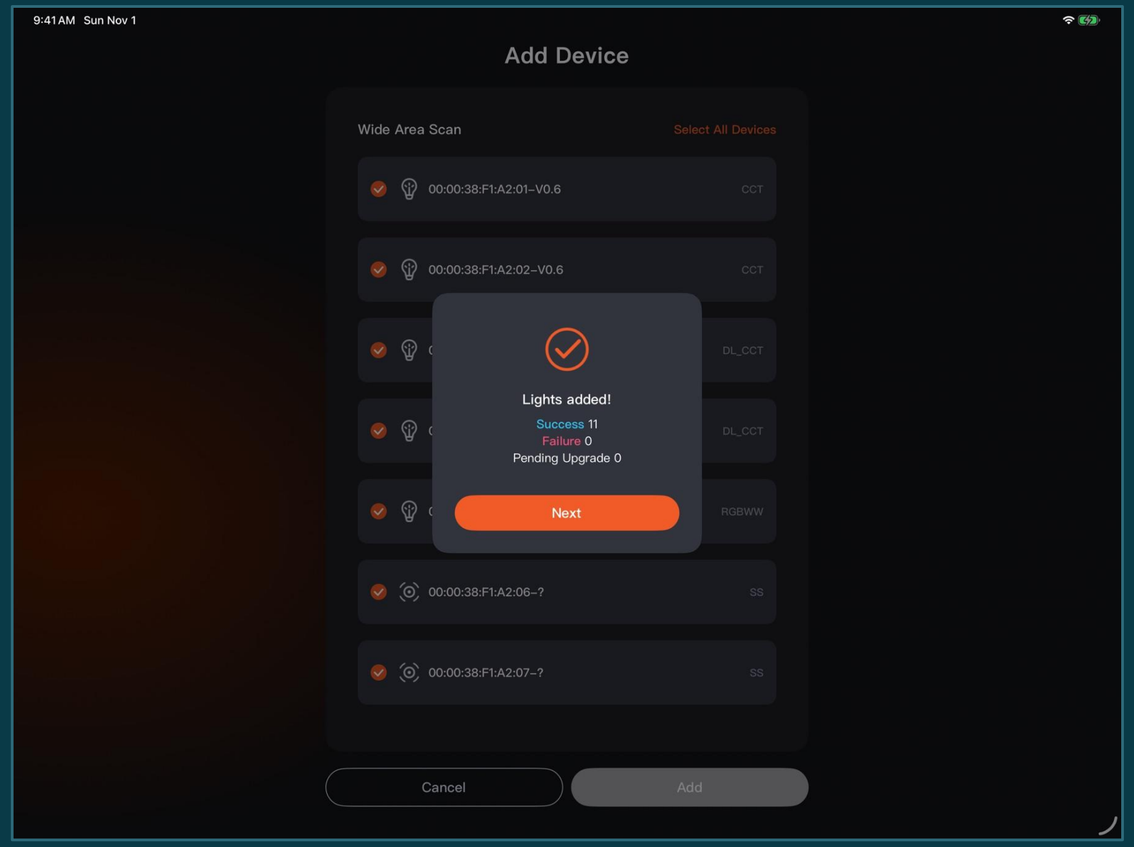


8 Tap Select All Devices

Add Devices



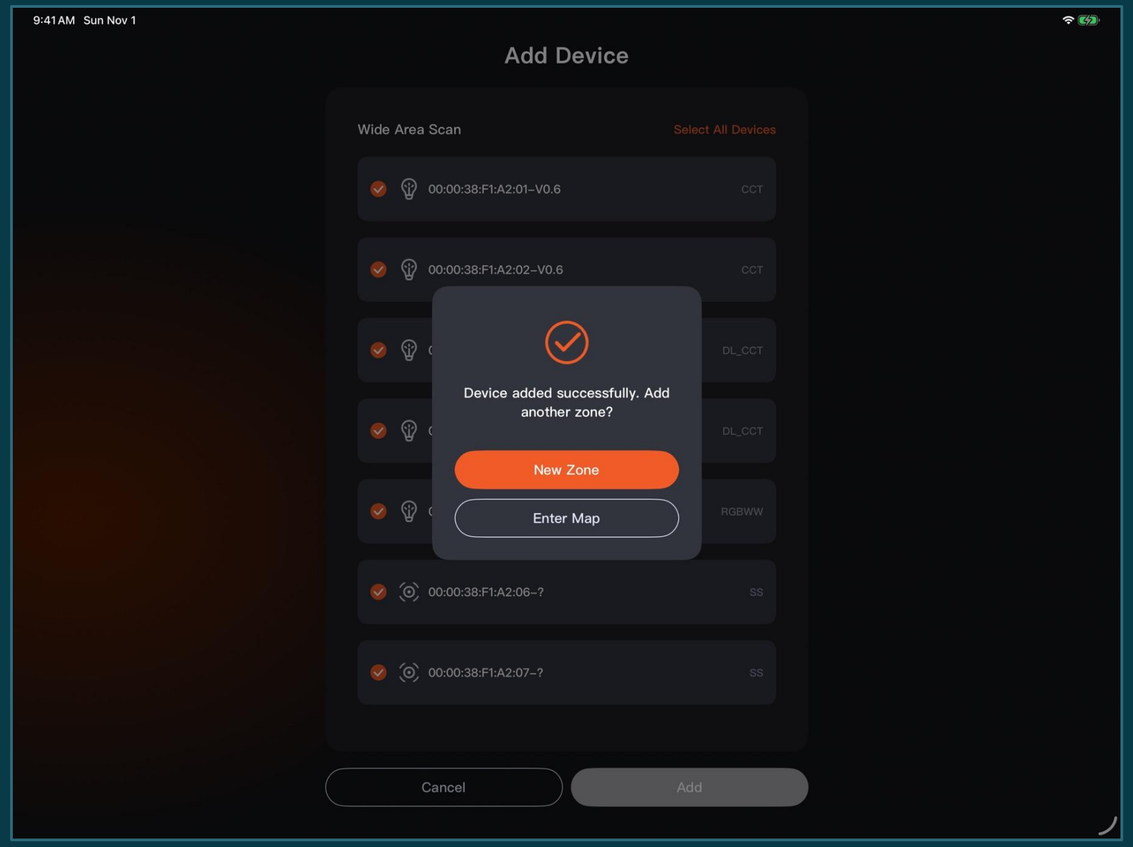
9 Tap Add



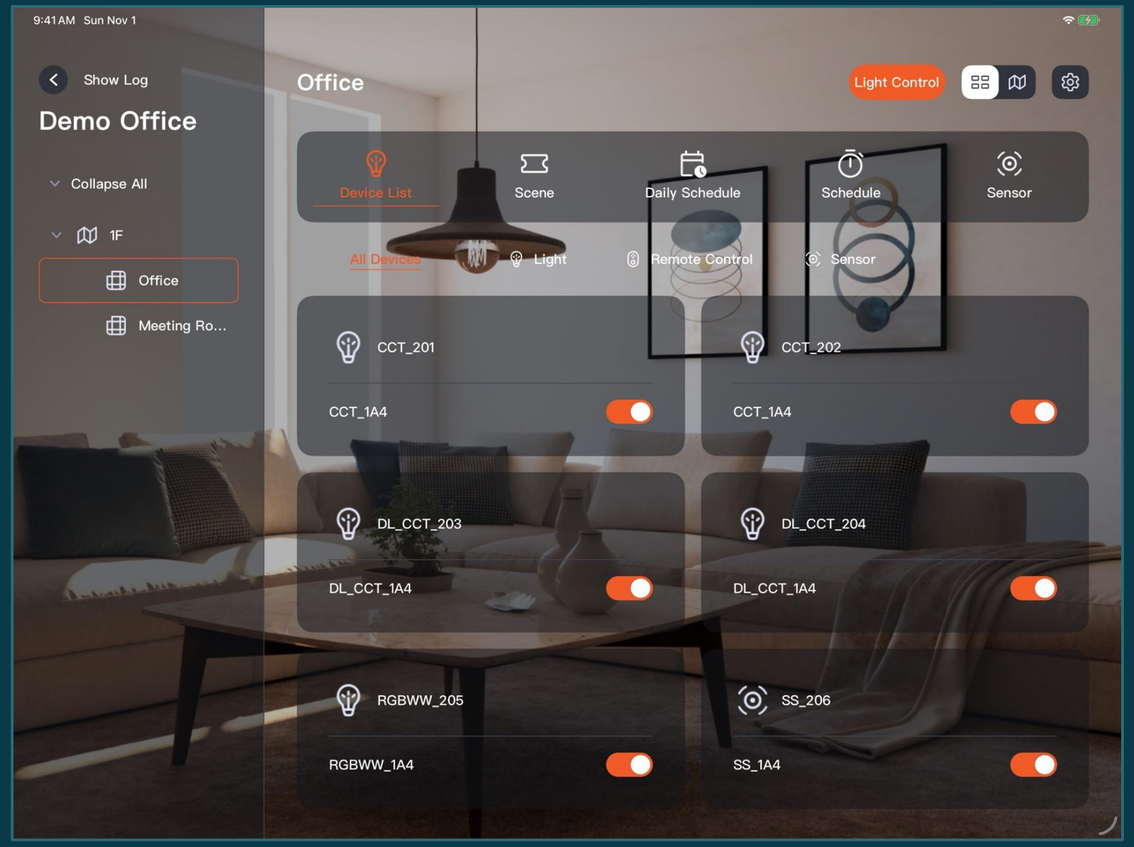
10 Wait until it finishes

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Add Devices



11 Tap Next

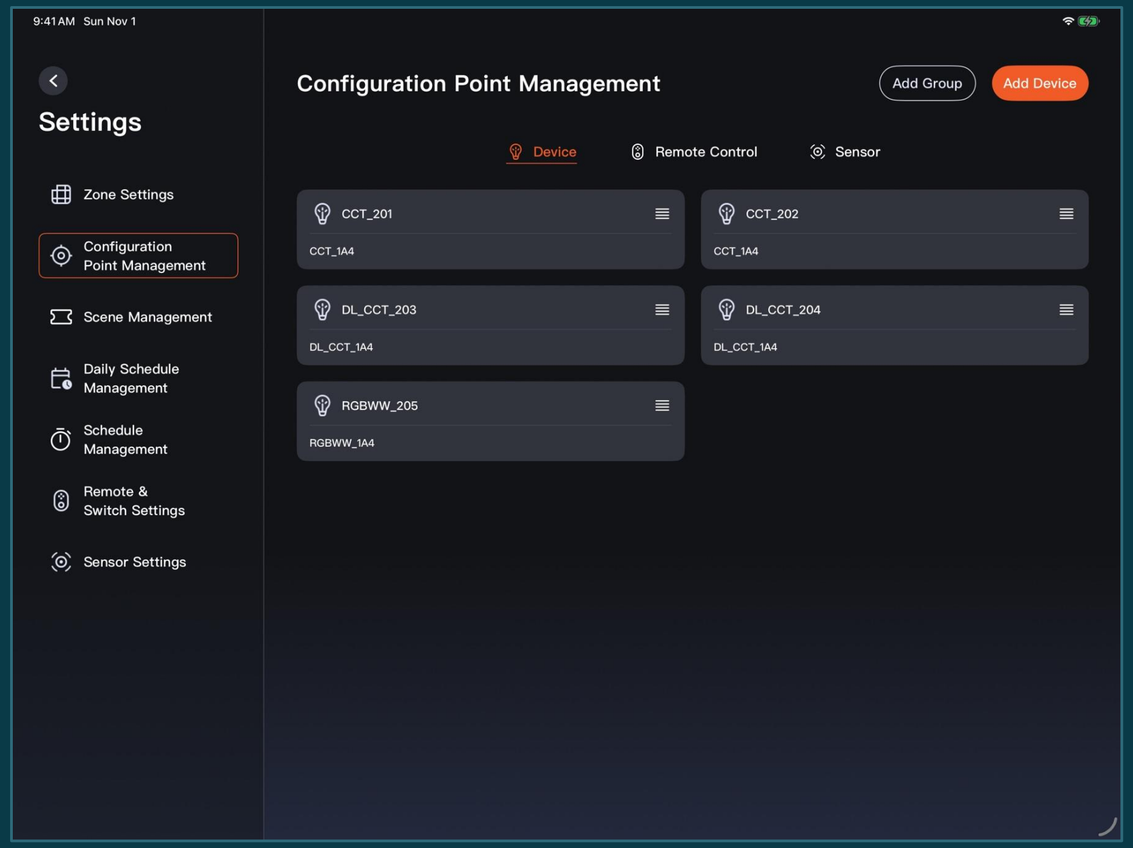


12 Tap Enter Map, then tap Office on the left

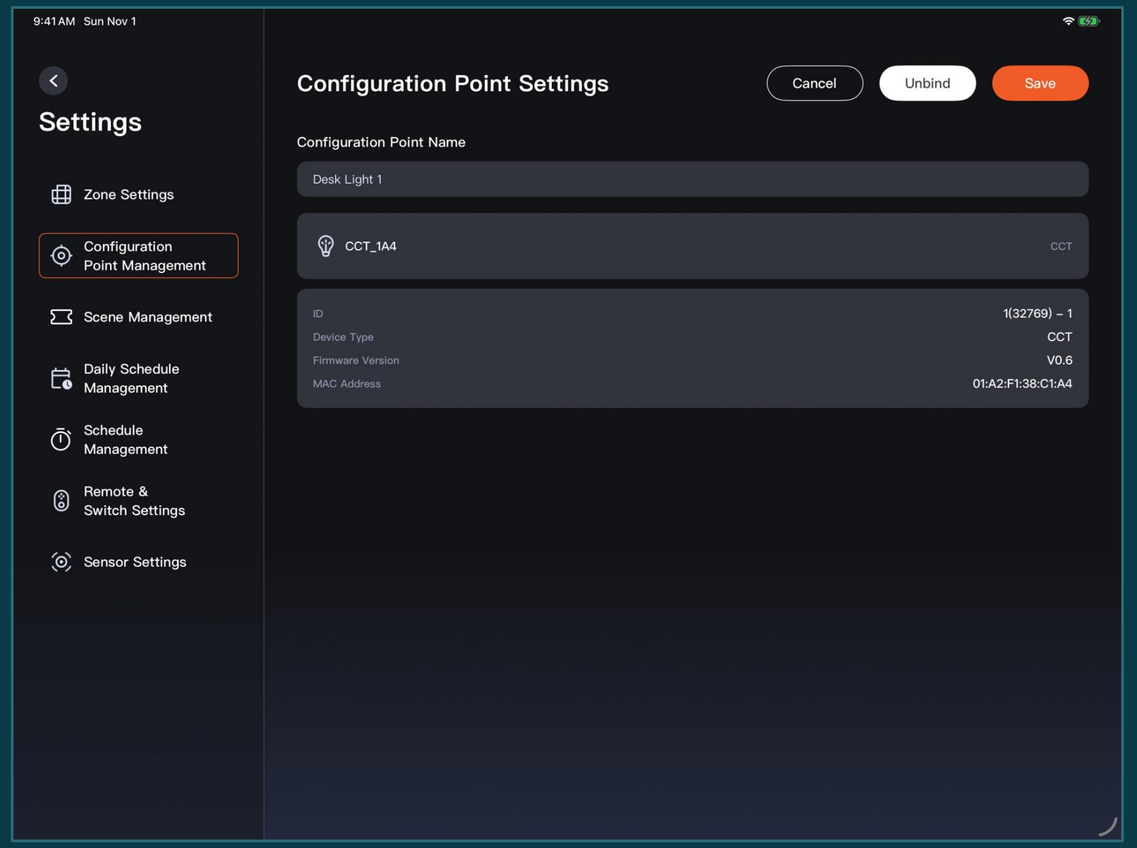
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Rename Configuration Points

Path: Zone page › gear icon (top right) › Configuration Point Management



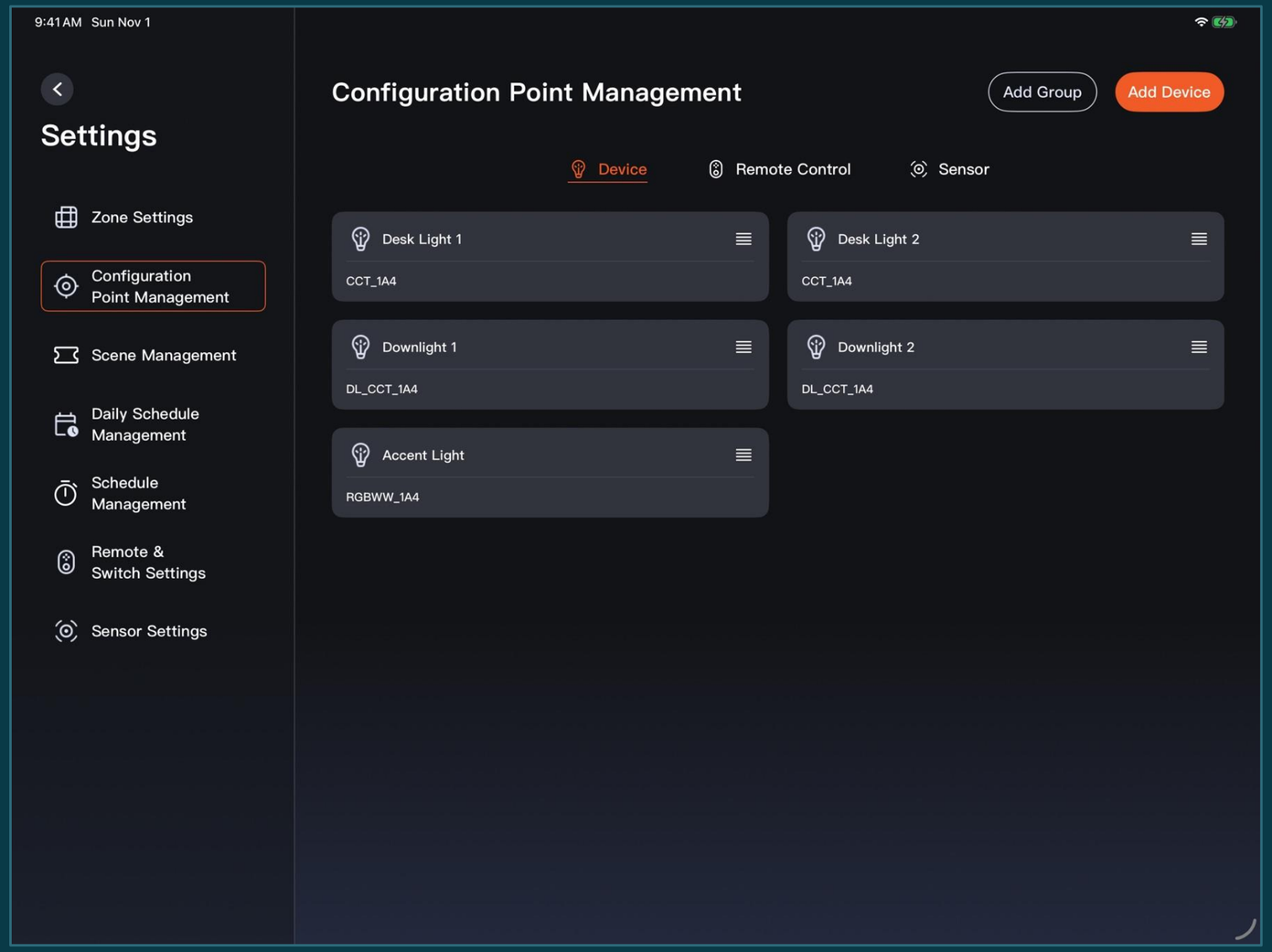
13 Gear icon > Configuration Point Management



14 Tap CCT_201 and rename it "Desk Light 1"

Rename Configuration Points

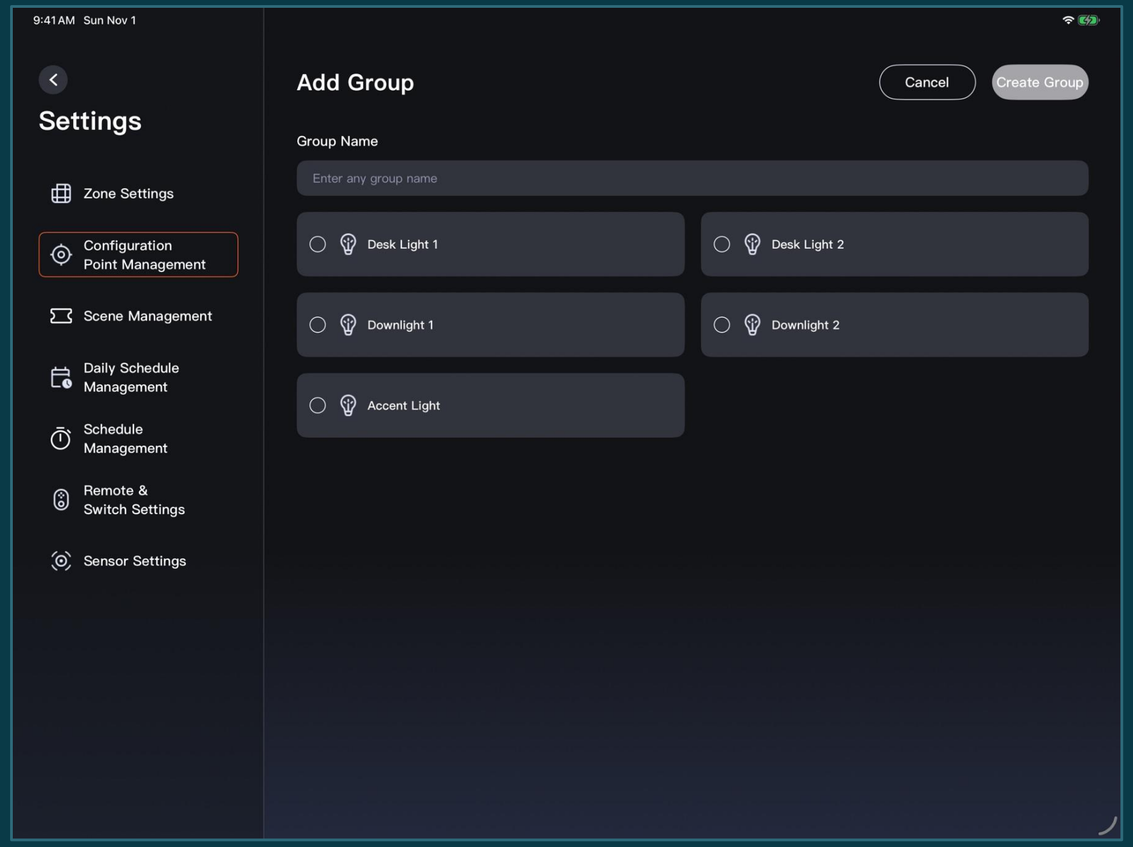
Path: Zone page › gear icon (top right) › Configuration Point Management



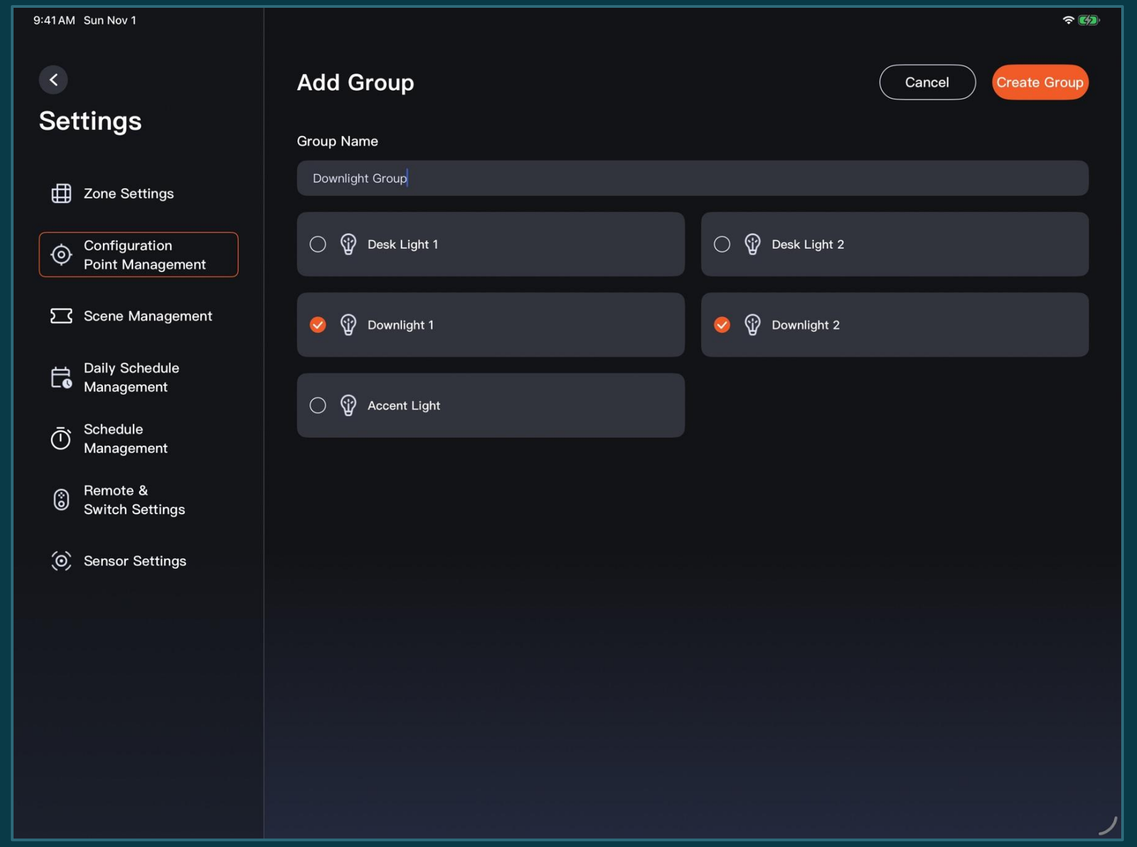
15 Rename the others the same way

Create a Group

Path: Zone page › gear icon (top right) › Configuration Point Management › Add Group



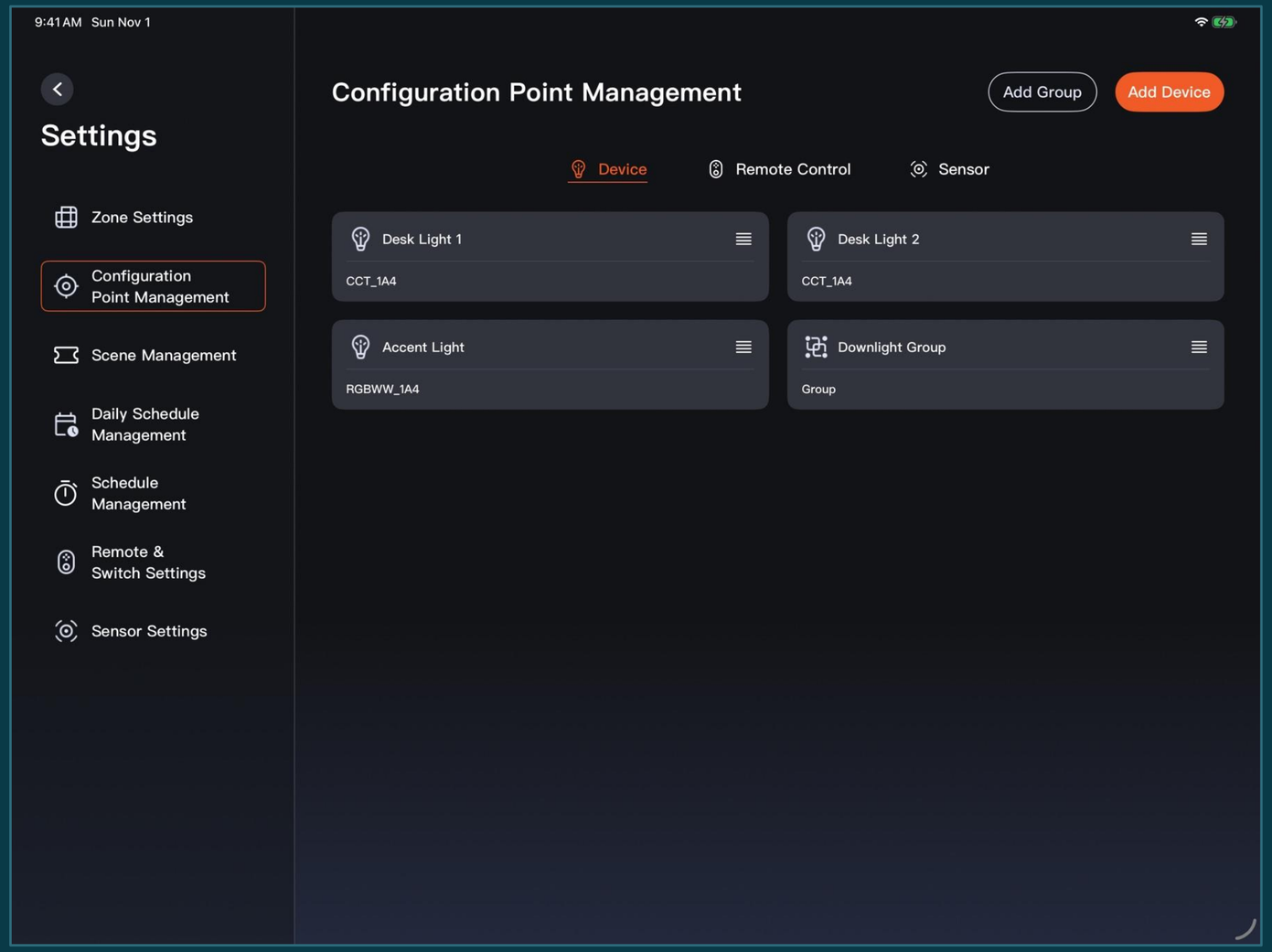
16 Tap Add Group



17 Enter Group Name "Downlight Group" and select Downlight 1 and Downlight 2

Create a Group

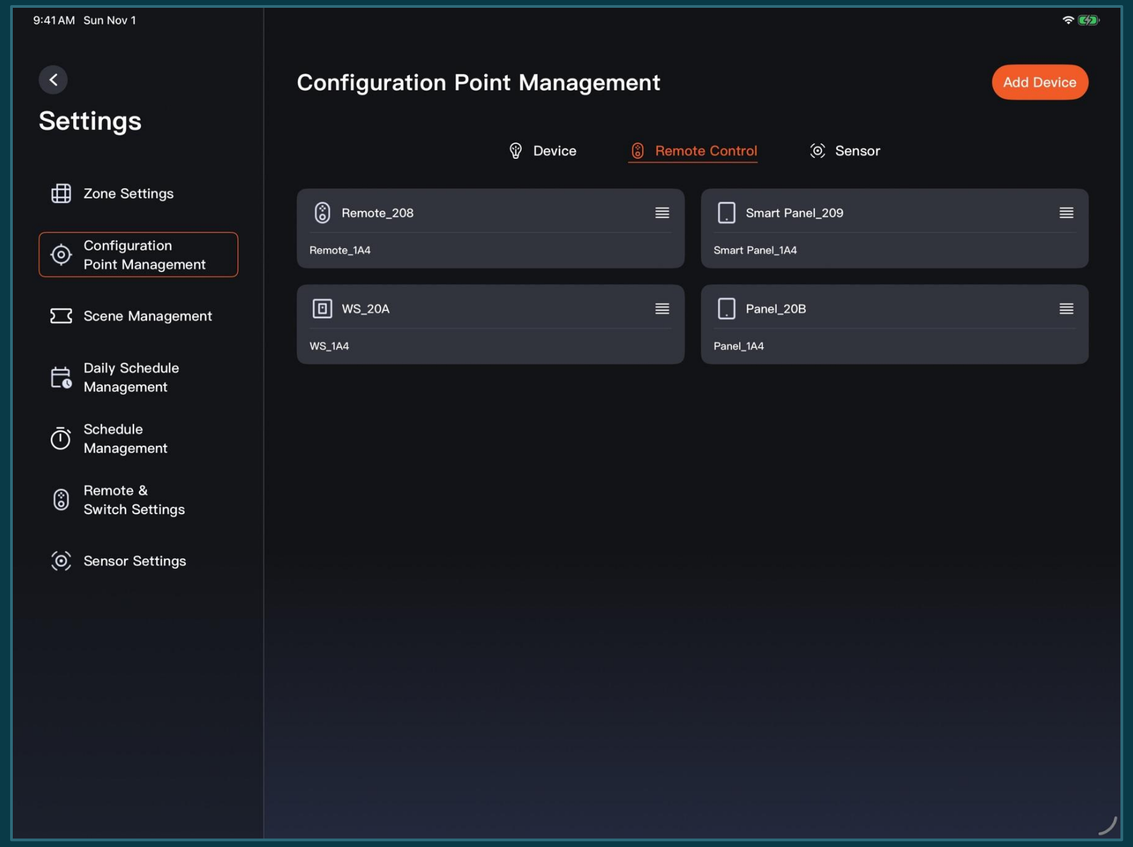
Path: Zone page › gear icon (top right) › Configuration Point Management › Add Group



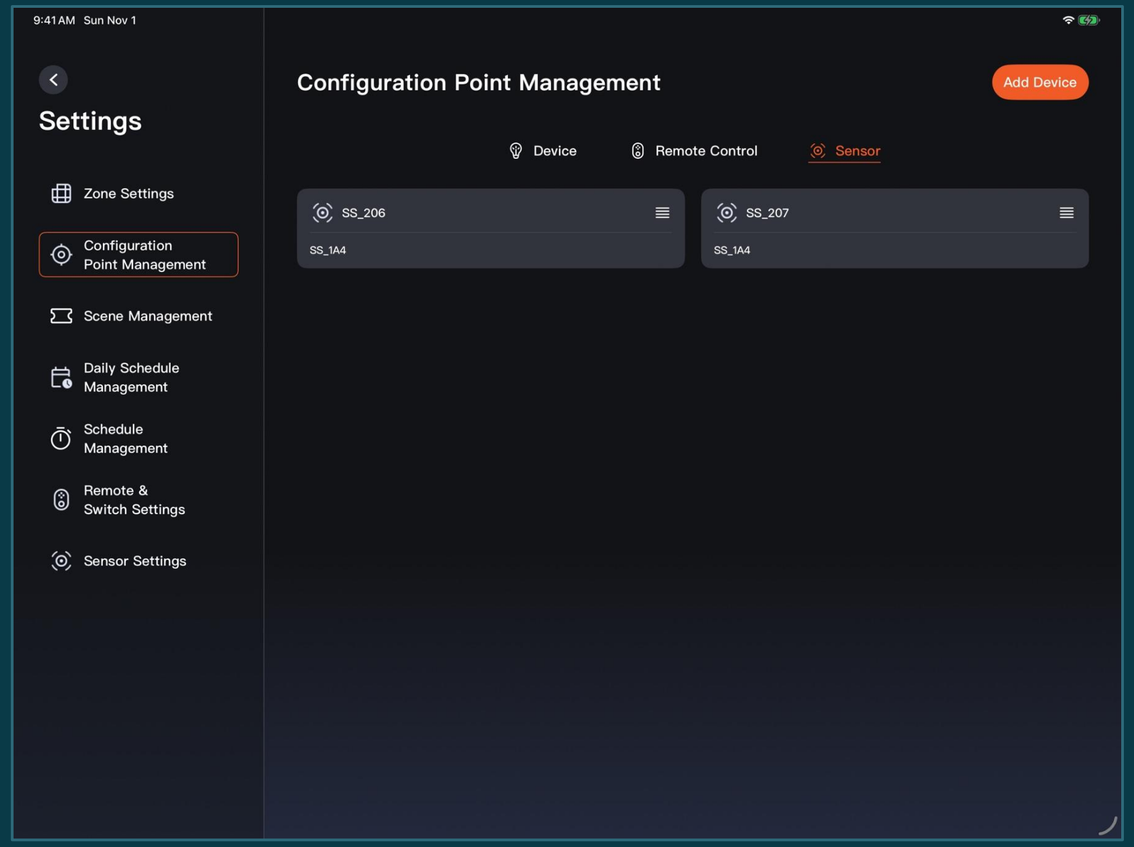
18 Tap Create Group

Remote and Sensor Configuration Points

Path: Zone page › gear icon (top right) › Configuration Point Management



19 Tap the Remote Control tab. Remotes and switches found by the scan are listed here



20 Tap the Sensor tab. Sensors found by the scan are listed here

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3

Light Control

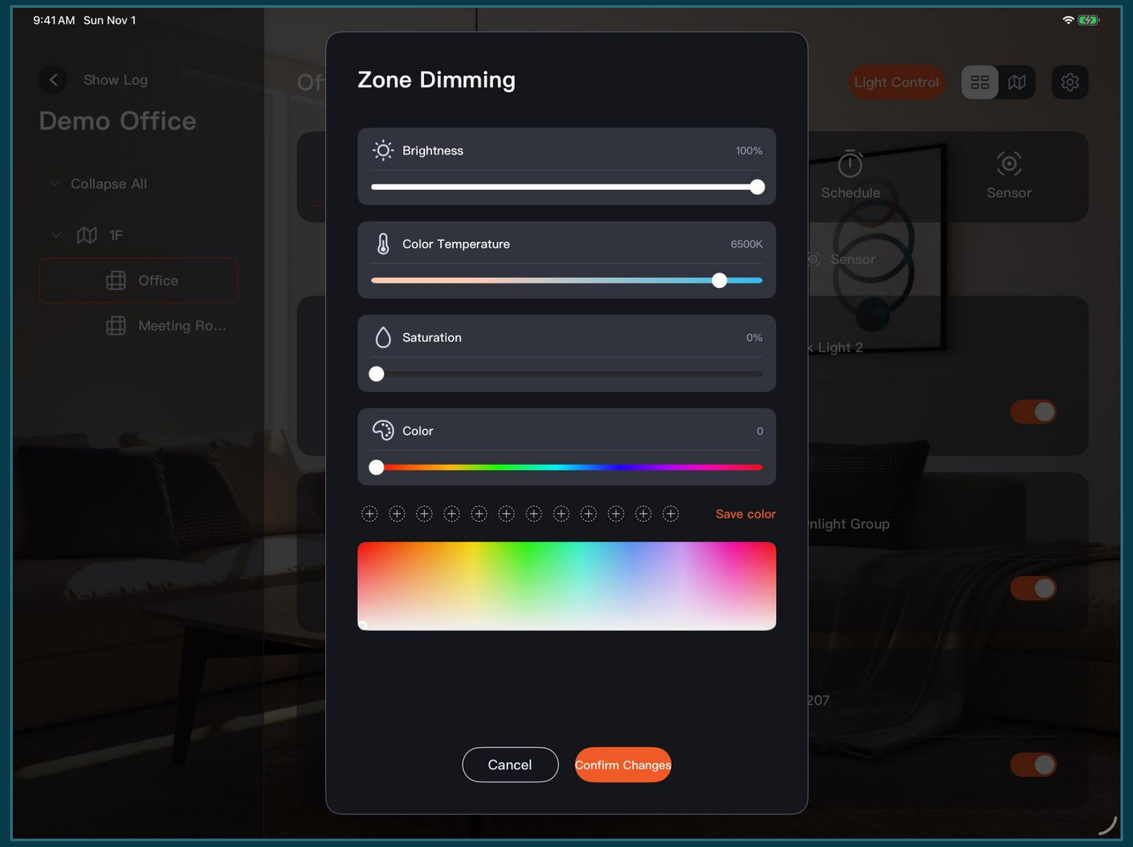
Dim the whole zone, a single light, or a group.

Adjust brightness and color temperature. Color lights also support saturation and color.

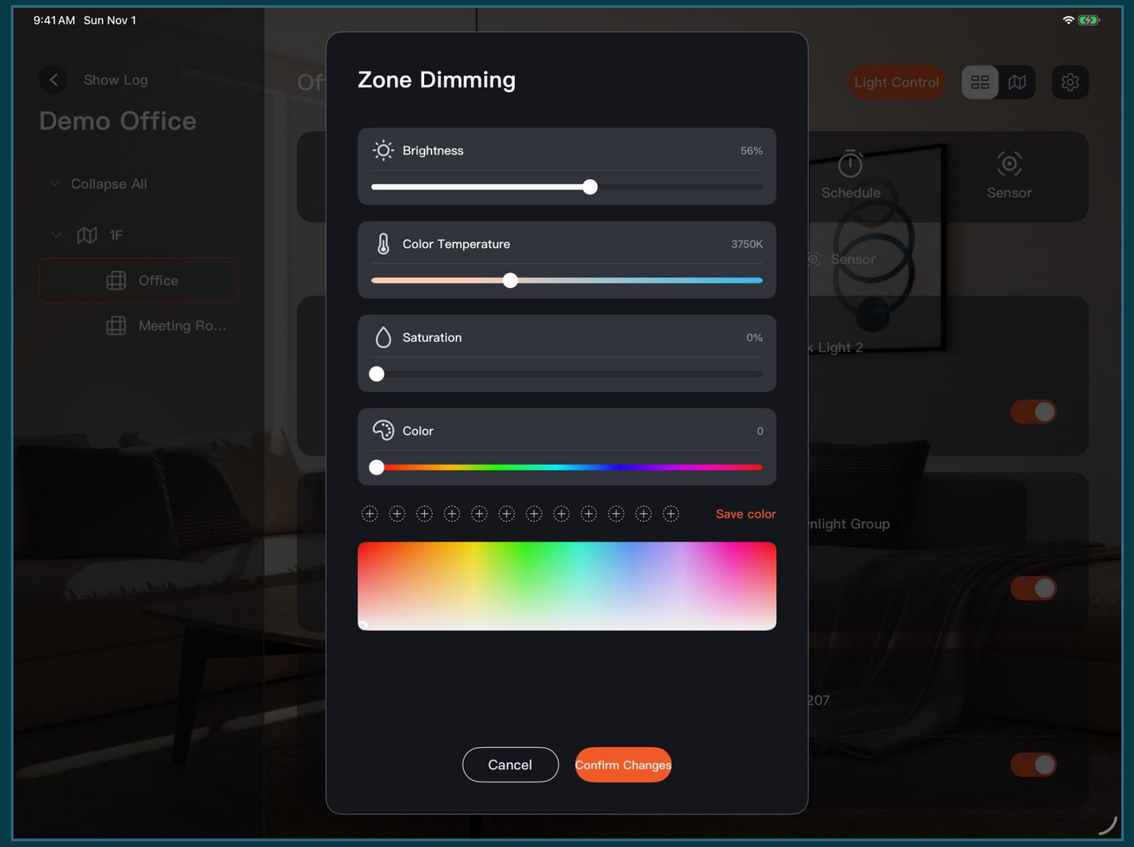
Turn each light on or off from its card.

Zone Dimming

Path: Zone page › Light Control



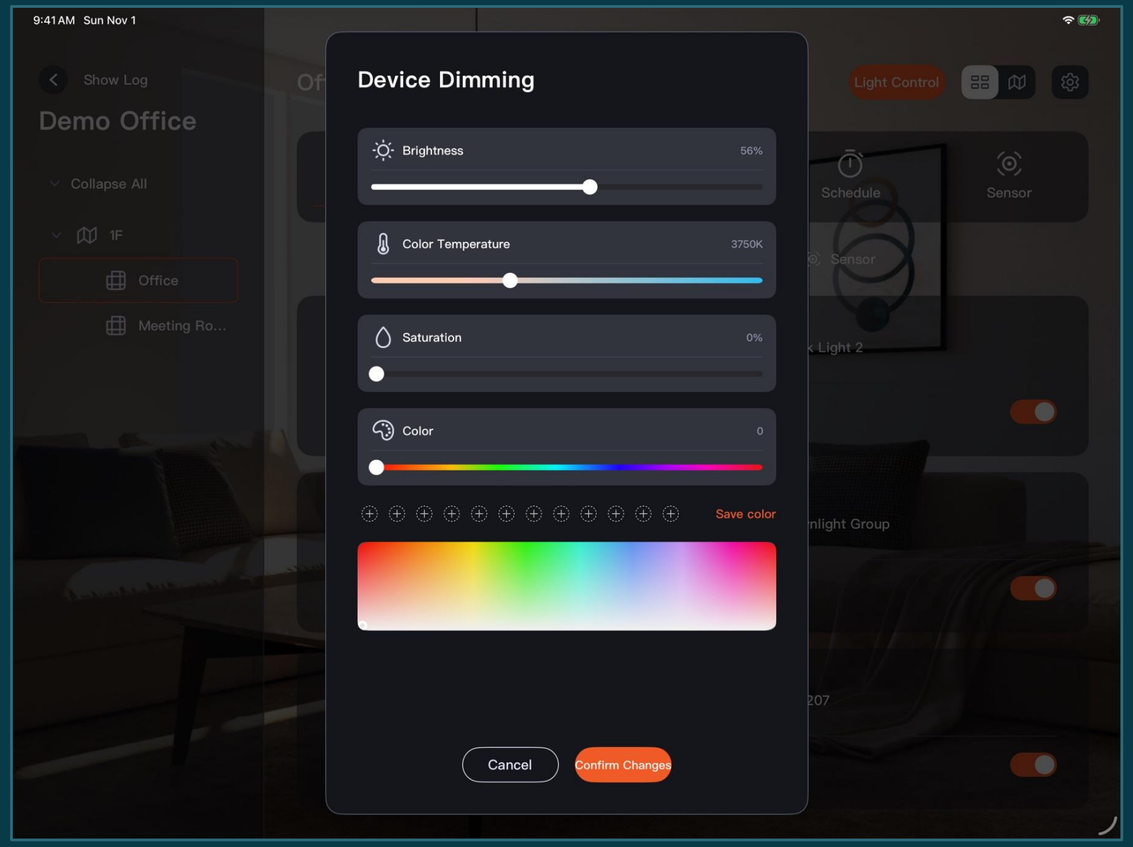
1 On the zone page, tap Light Control to adjust the whole zone



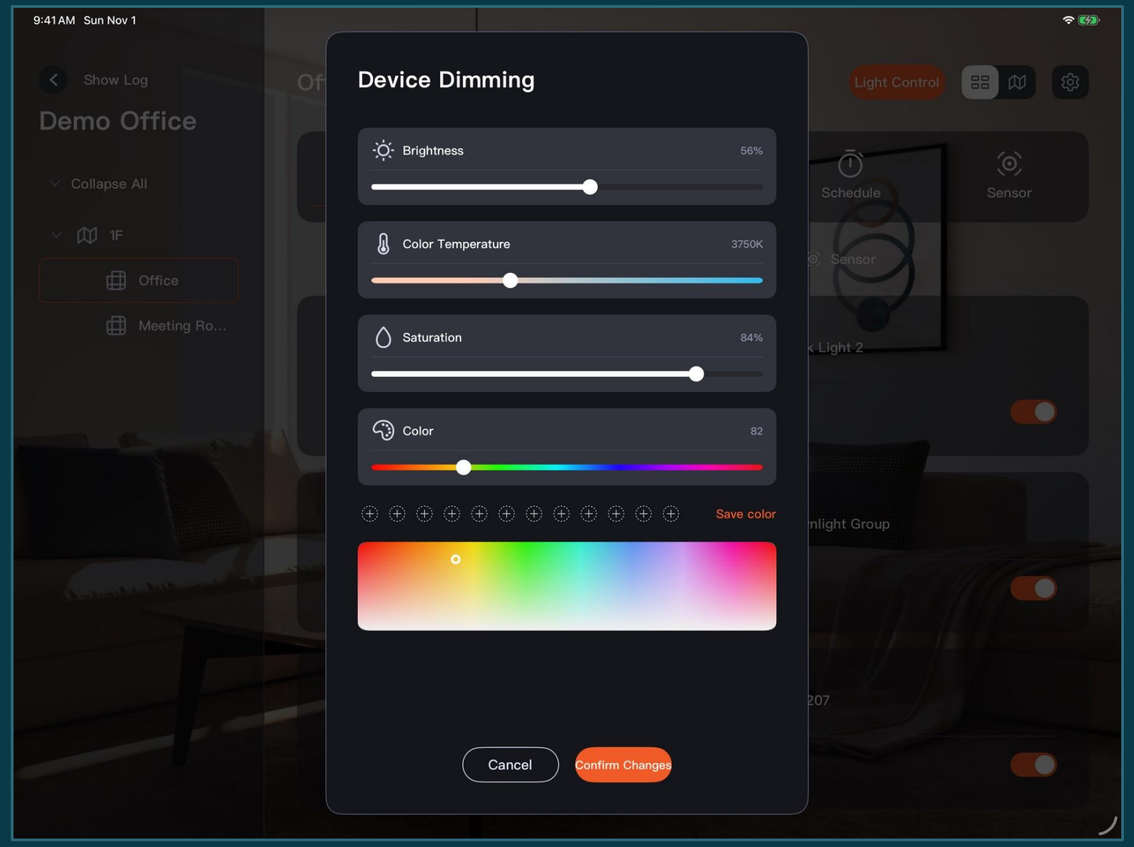
2 Set brightness to 56% and color temperature to 3750K, then tap Confirm Changes

Single Light Dimming

Path: Zone page › Device List › tap a light card



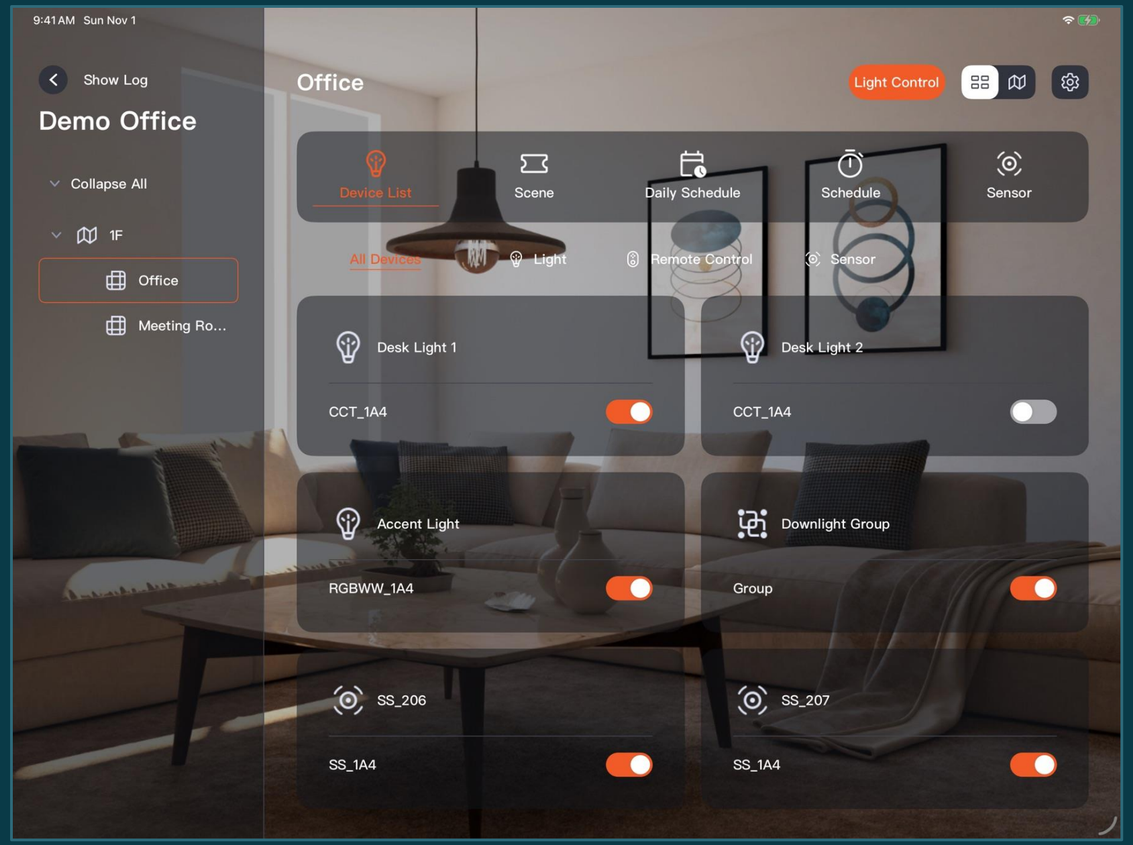
3 Tap the Desk Light 1 card to adjust a single light



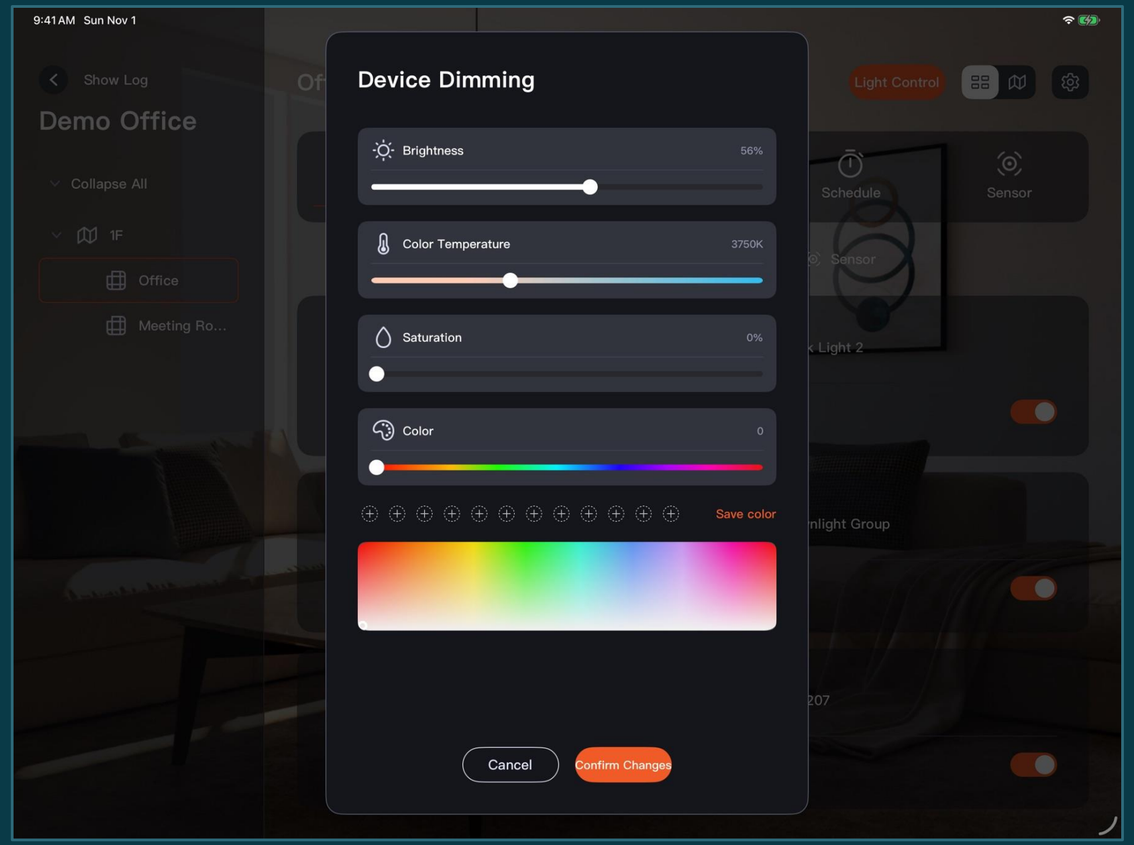
4 Tap Accent Light (a color light), set Saturation to 84% and Color to 82, then tap Confirm Changes

On/Off and Group Dimming

Path: Zone page › Device List



5 Use the switch on a light card to turn it on or off



6 Tap the Downlight Group card to adjust the whole group at once

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4

Scenes

A scene is a lighting preset applied instantly. It defines the brightness and color temperature of each configuration point.

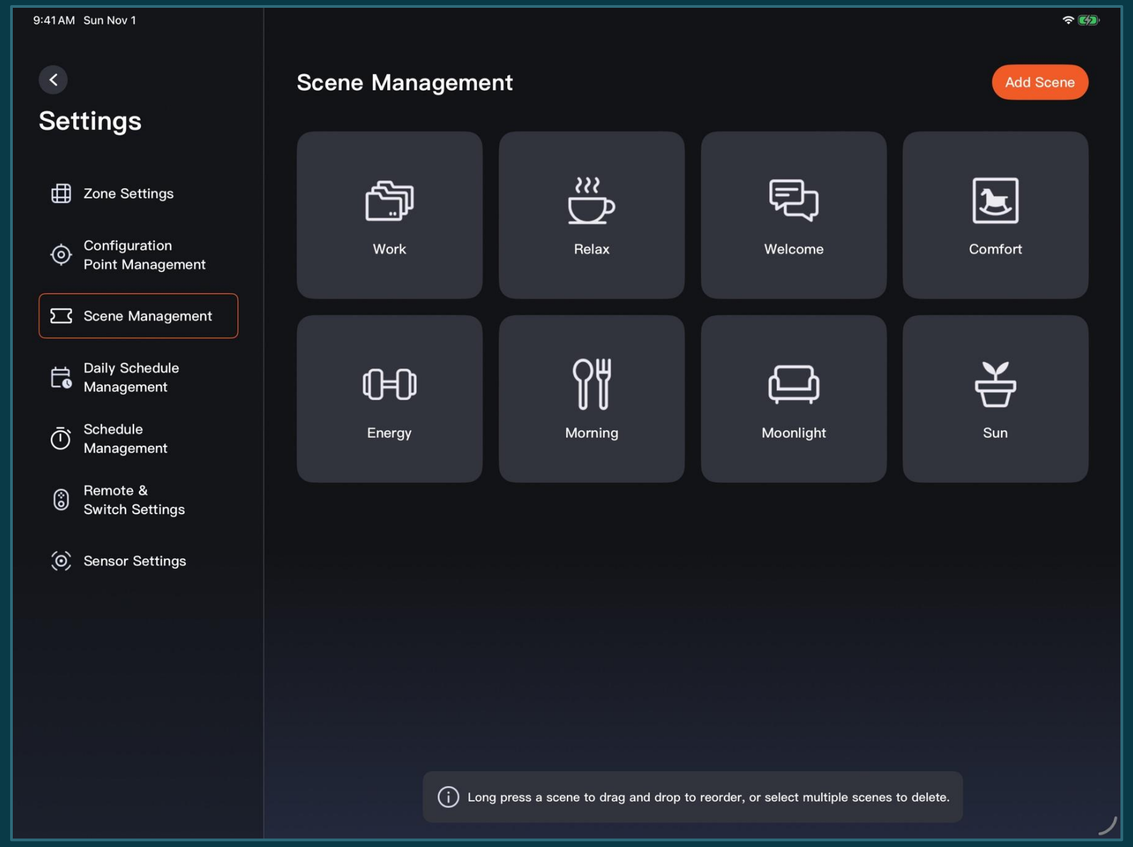
A zone scene controls one zone. A map scene controls the whole map.

A dynamic scene plays several map scenes in order, with fade time, stay time, and looping.

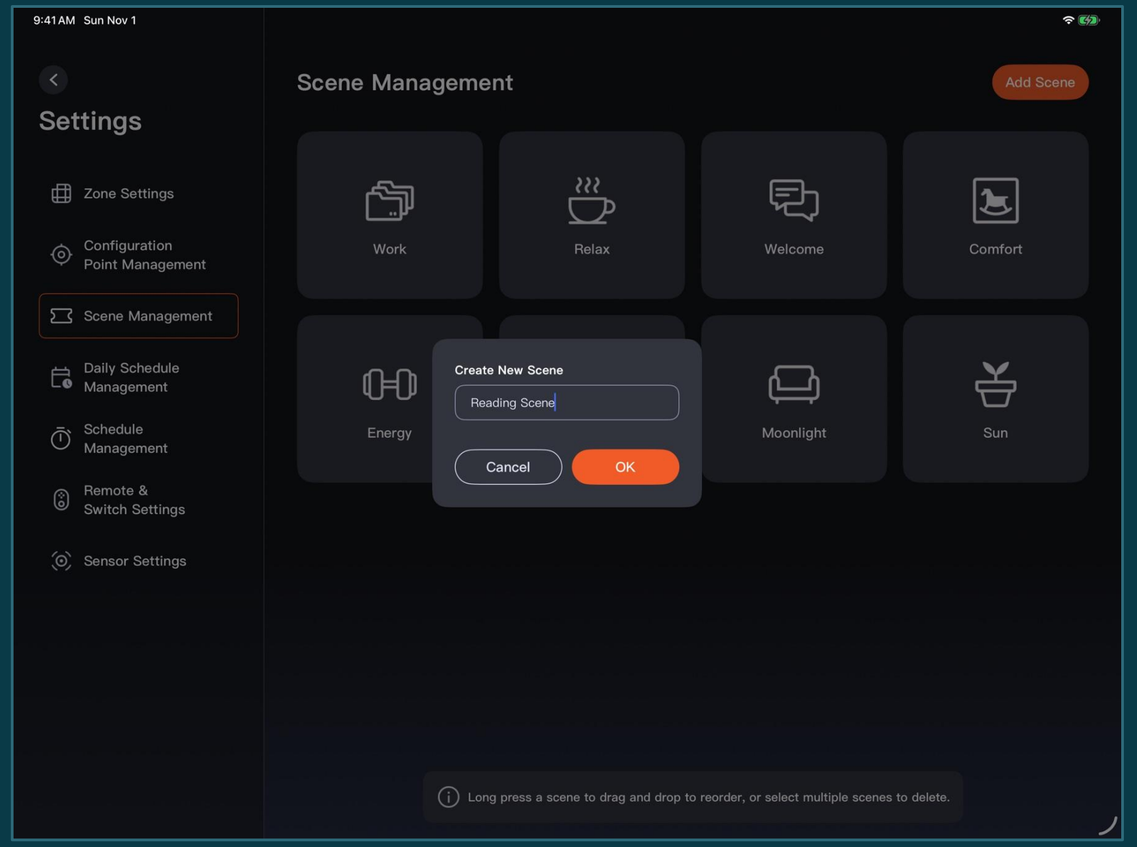
A scene can enable, disable, or keep the sensors unchanged when it runs.

Zone Scenes

Path: Zone page › gear icon (top right) › Scene Management



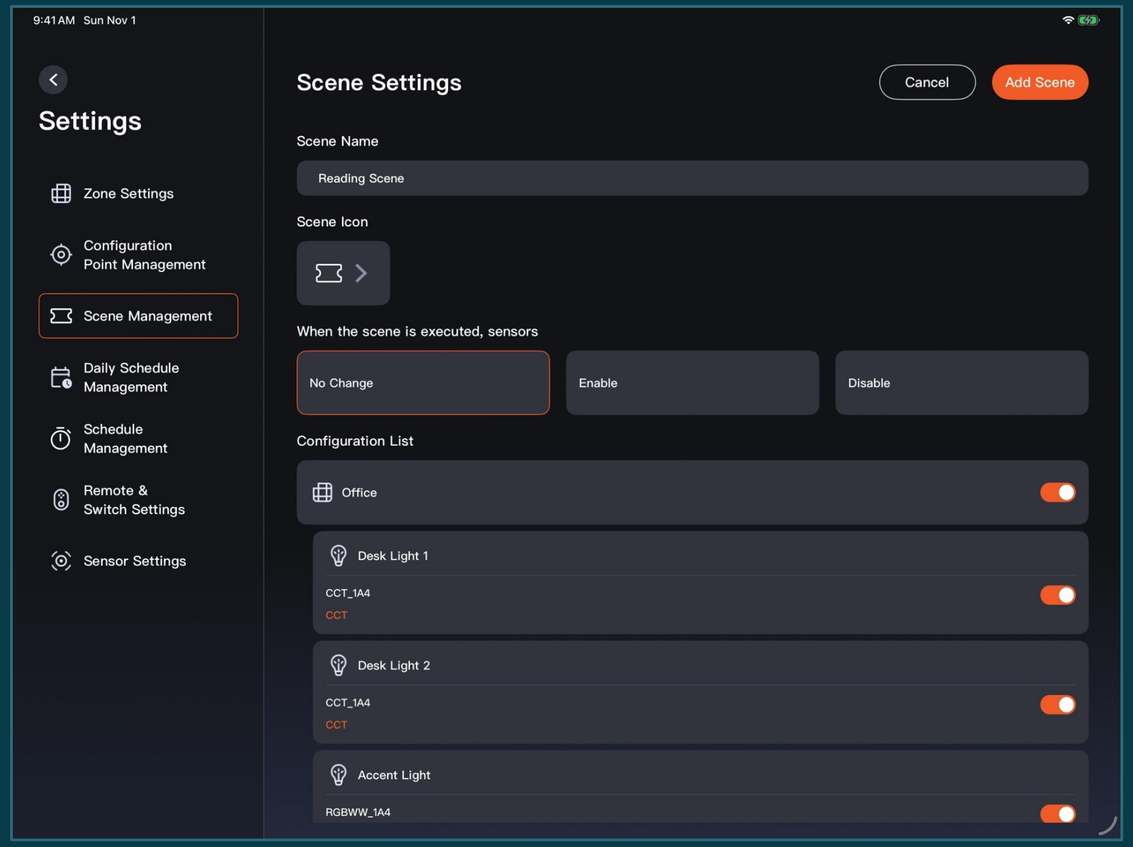
1 Tap Scene Management on the left



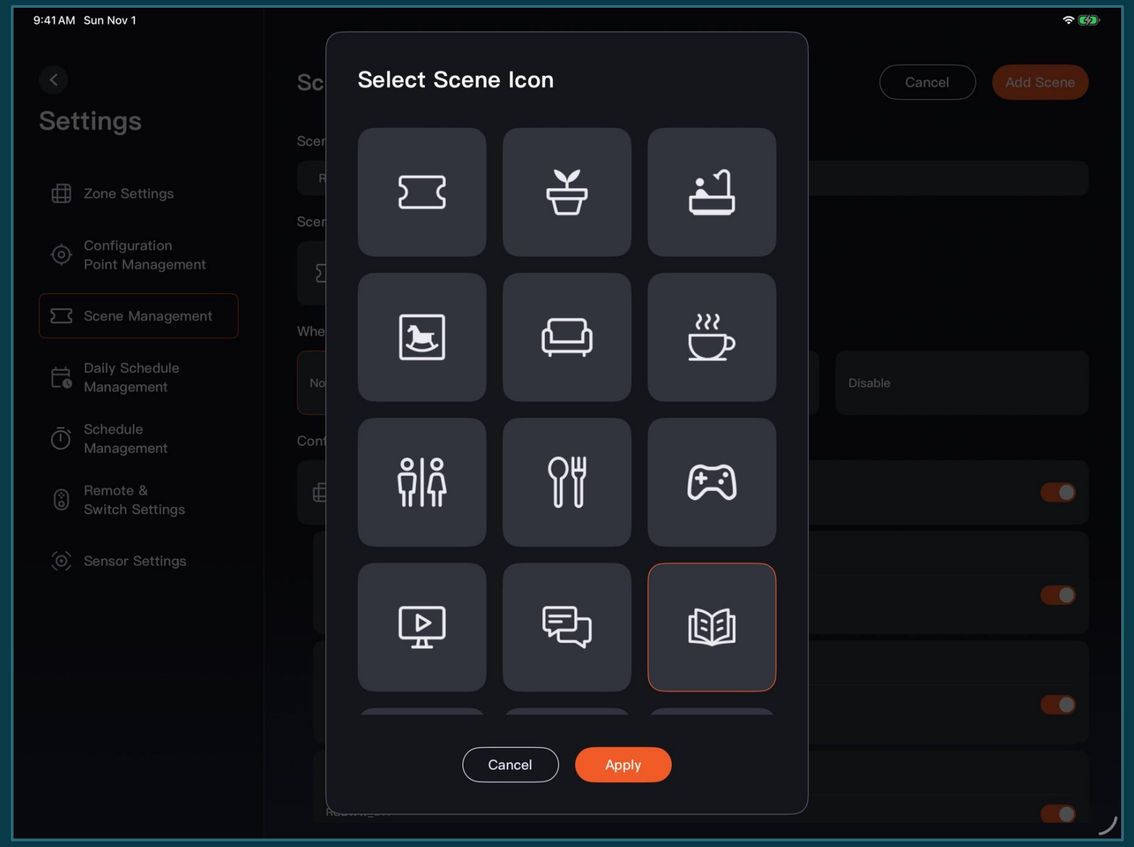
2 Tap Add Scene and enter "Reading Scene"

Zone Scenes

Path: Zone page › gear icon (top right) › Scene Management



3 Tap OK

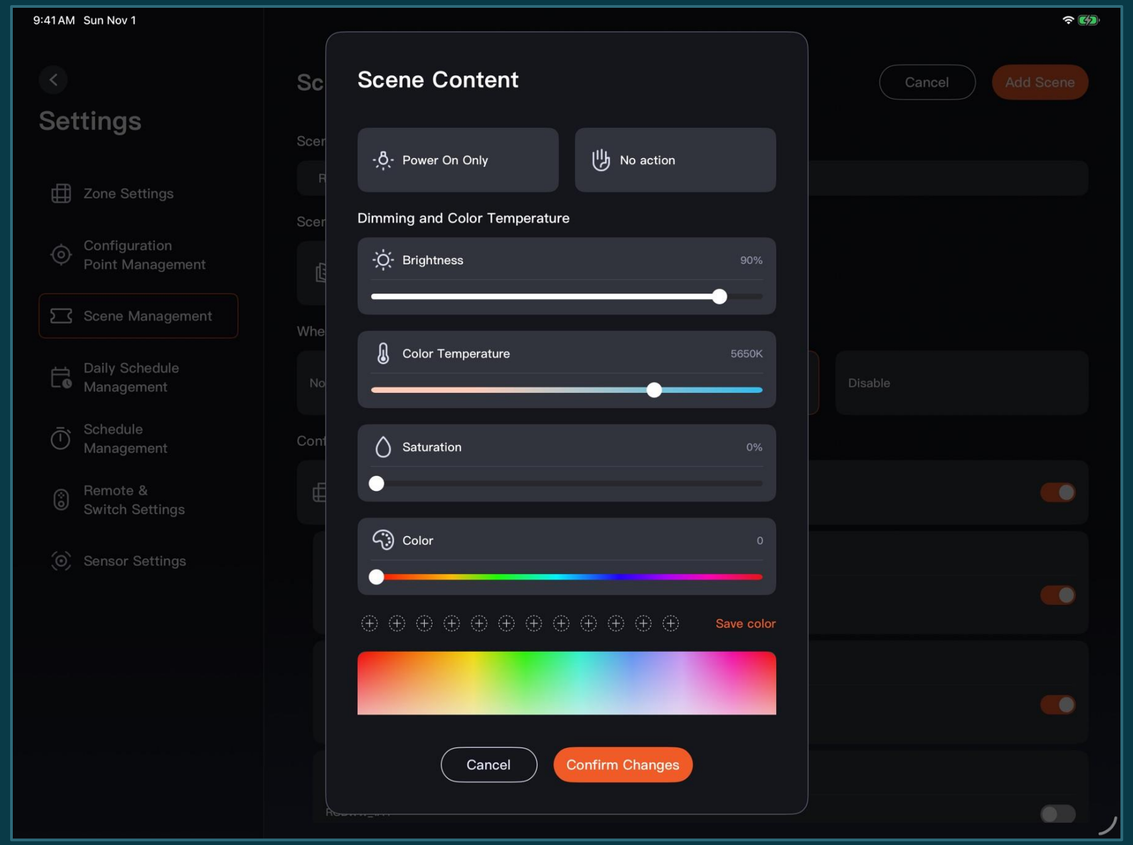


4 Tap Scene Icon and choose the book icon

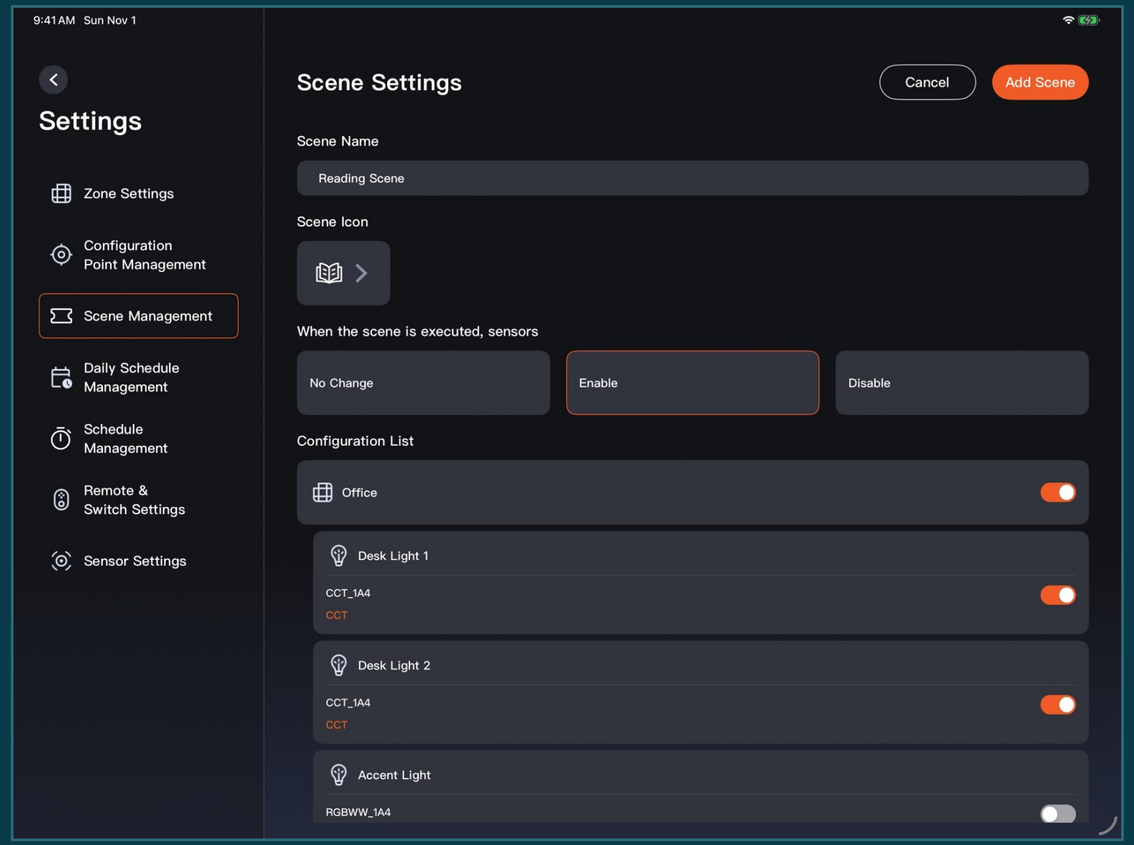
BLTC NETWORK CORP

Zone Scenes

Path: Zone page › gear icon (top right) › Scene Management



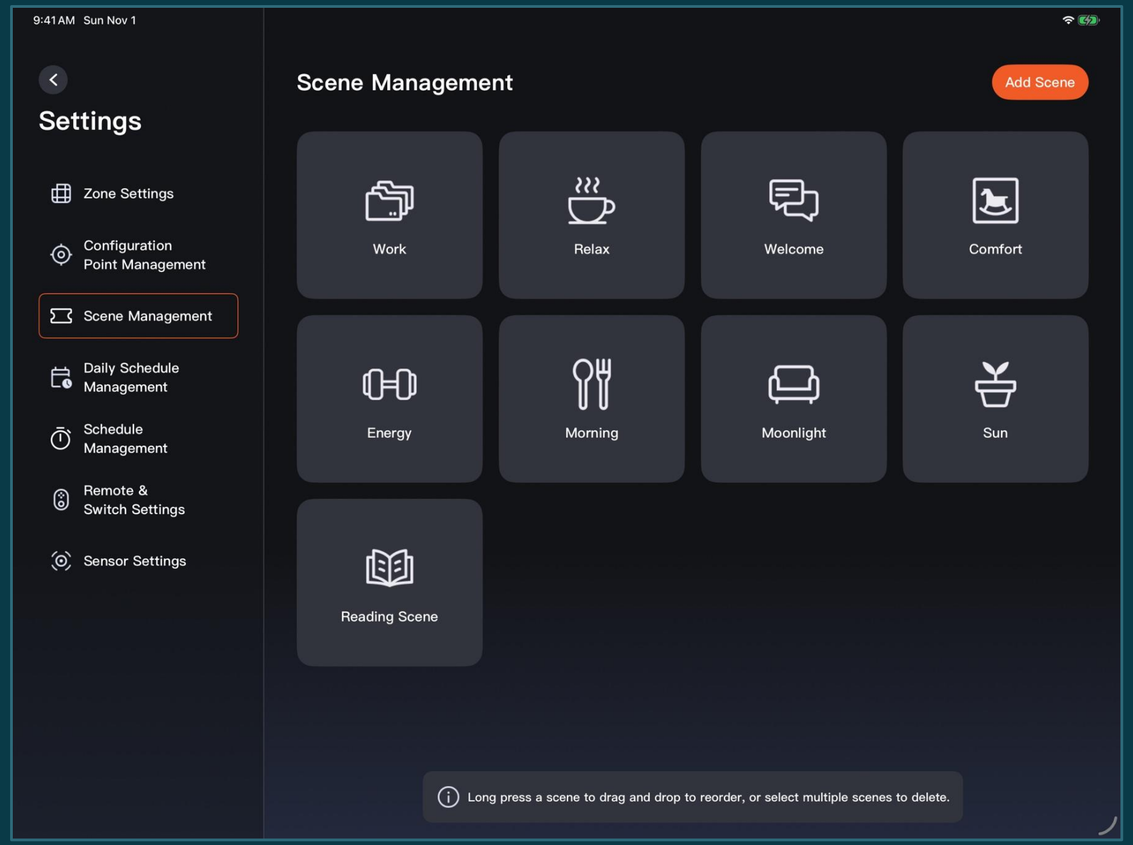
5 Tap Apply, set the sensor to Enable, turn off Accent Light, tap Desk Light 1, and set brightness to 90% and color temperature to 5650K



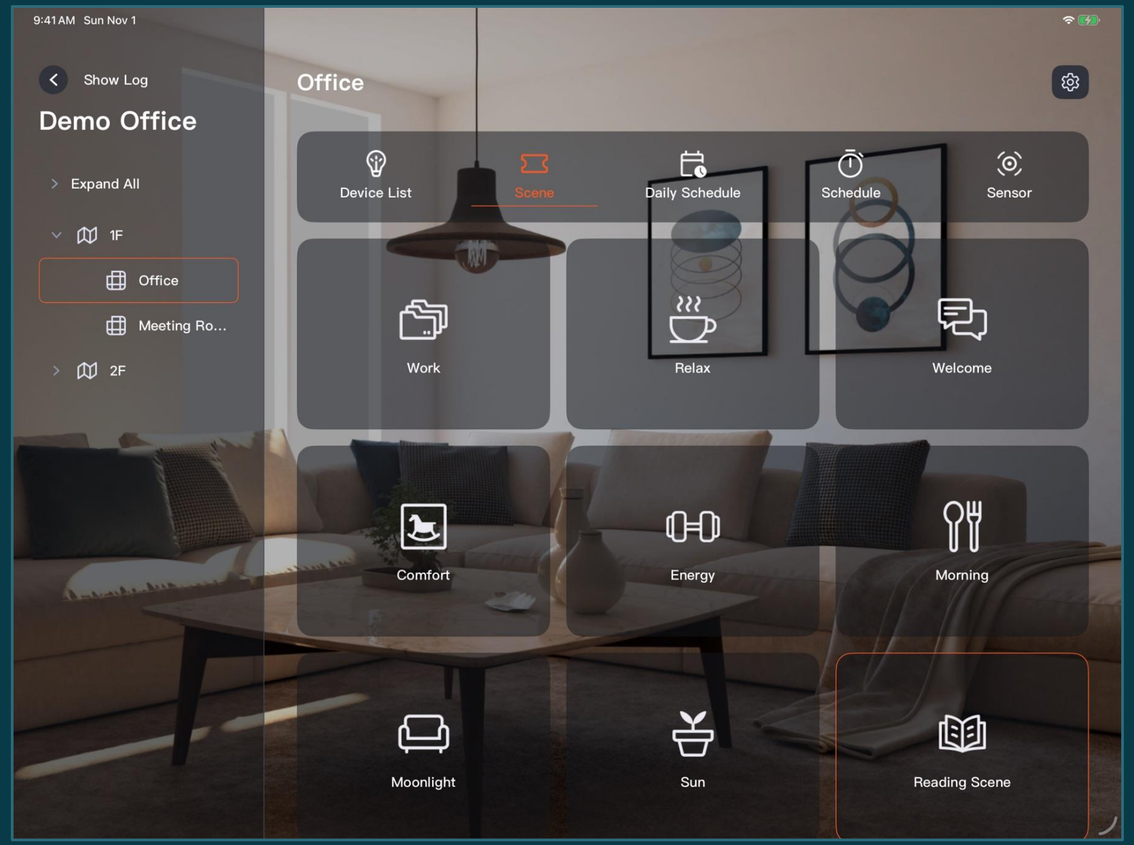
6 Tap Confirm Changes

Zone Scenes

Path: Zone page › gear icon (top right) › Scene Management



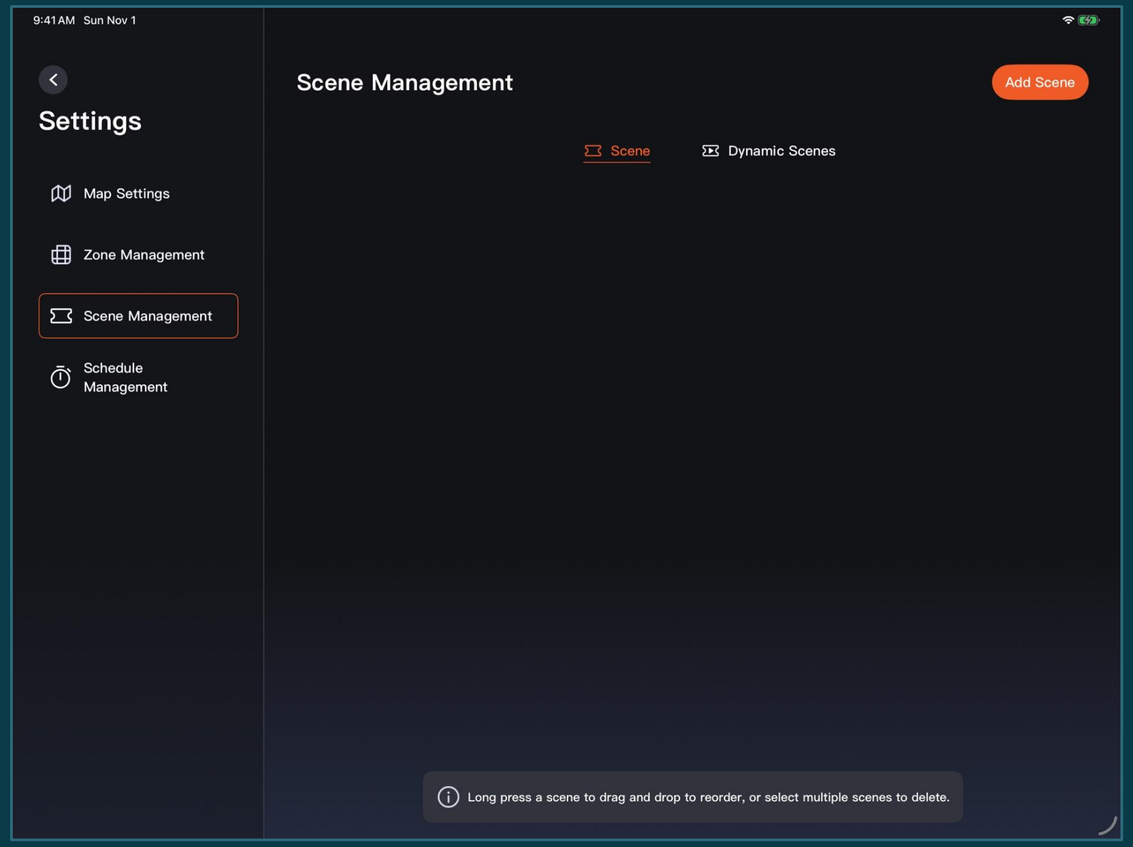
7 Tap Add Scene



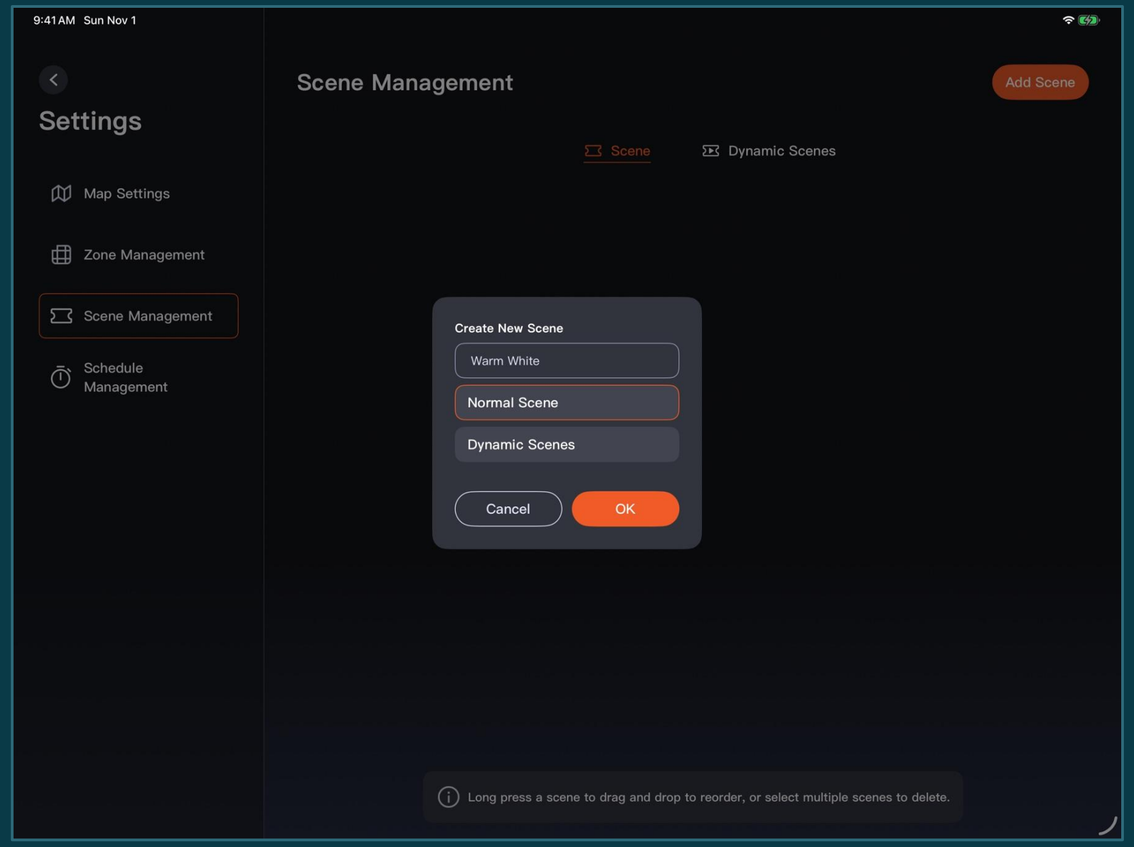
8 Go to the Scene tab on the zone page and tap Reading Scene

Map Scenes

Path: 1F map page › gear icon (top right) › Scene Management



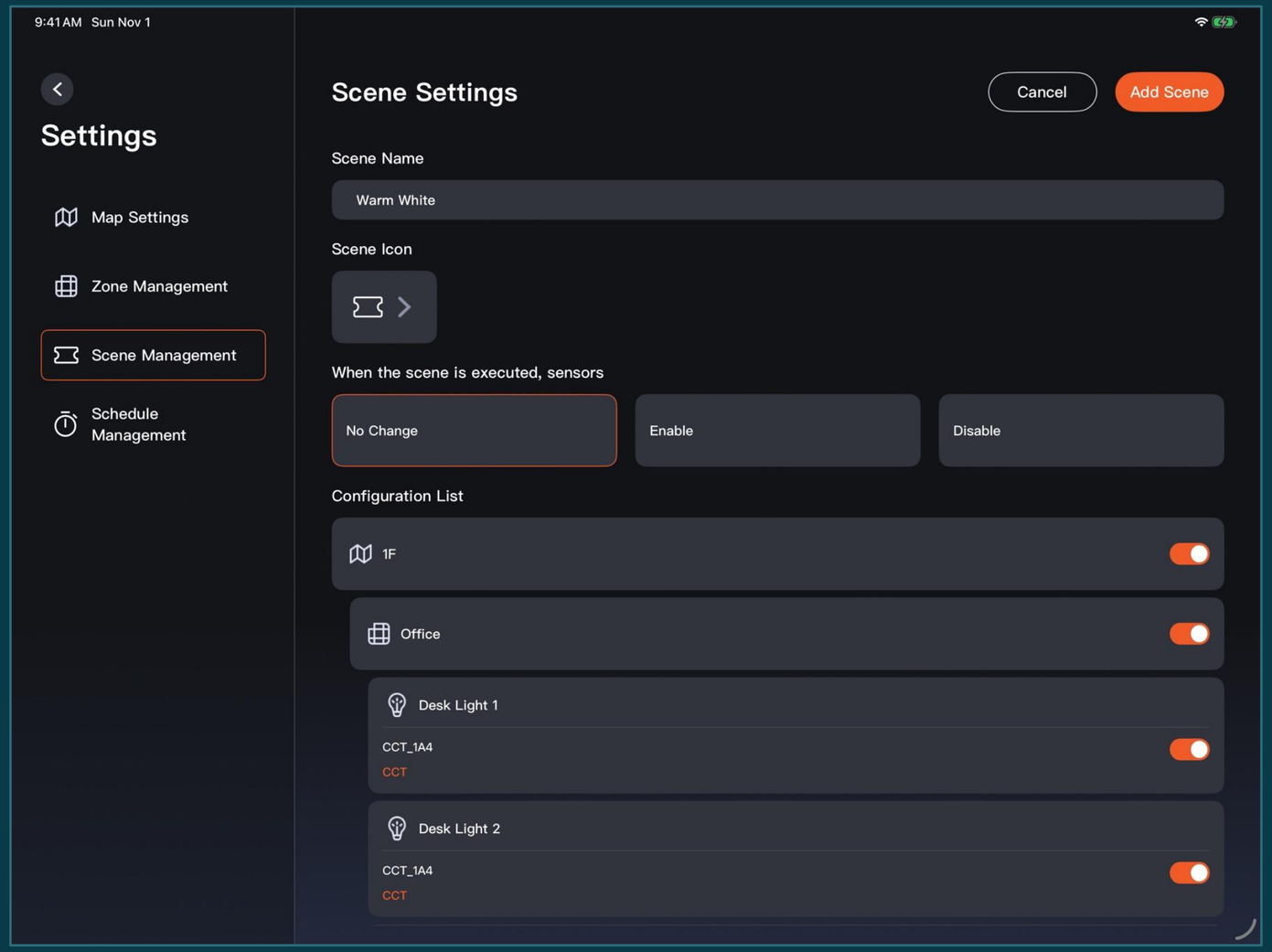
9 Tap 1F on the left > gear icon > Scene Management



10 Tap Add Scene, enter "Warm White", and choose Normal Scene

Map Scenes

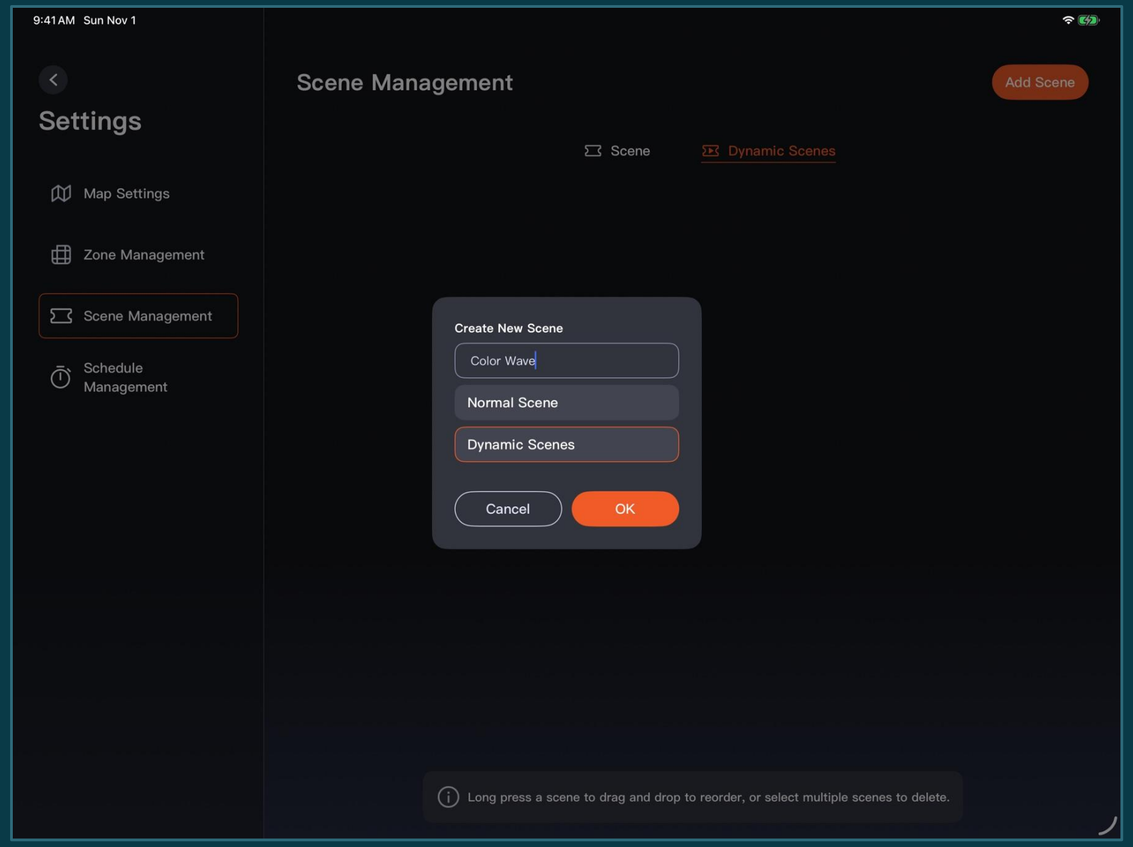
Path: 1F map page › gear icon (top right) › Scene Management



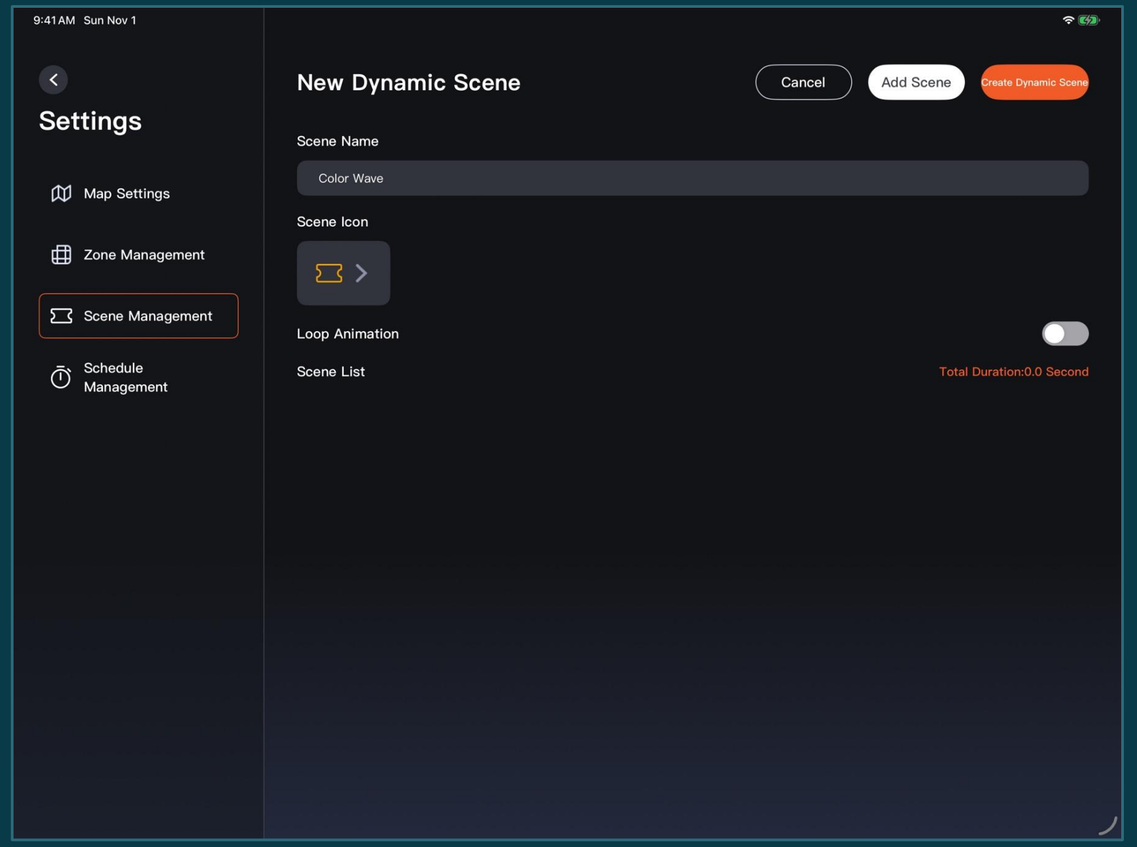
11 Tap OK, then tap Add Scene. Create "Cool White" the same way

Dynamic Scenes

Path: 1F map page › gear icon (top right) › Scene Management › Dynamic Scenes



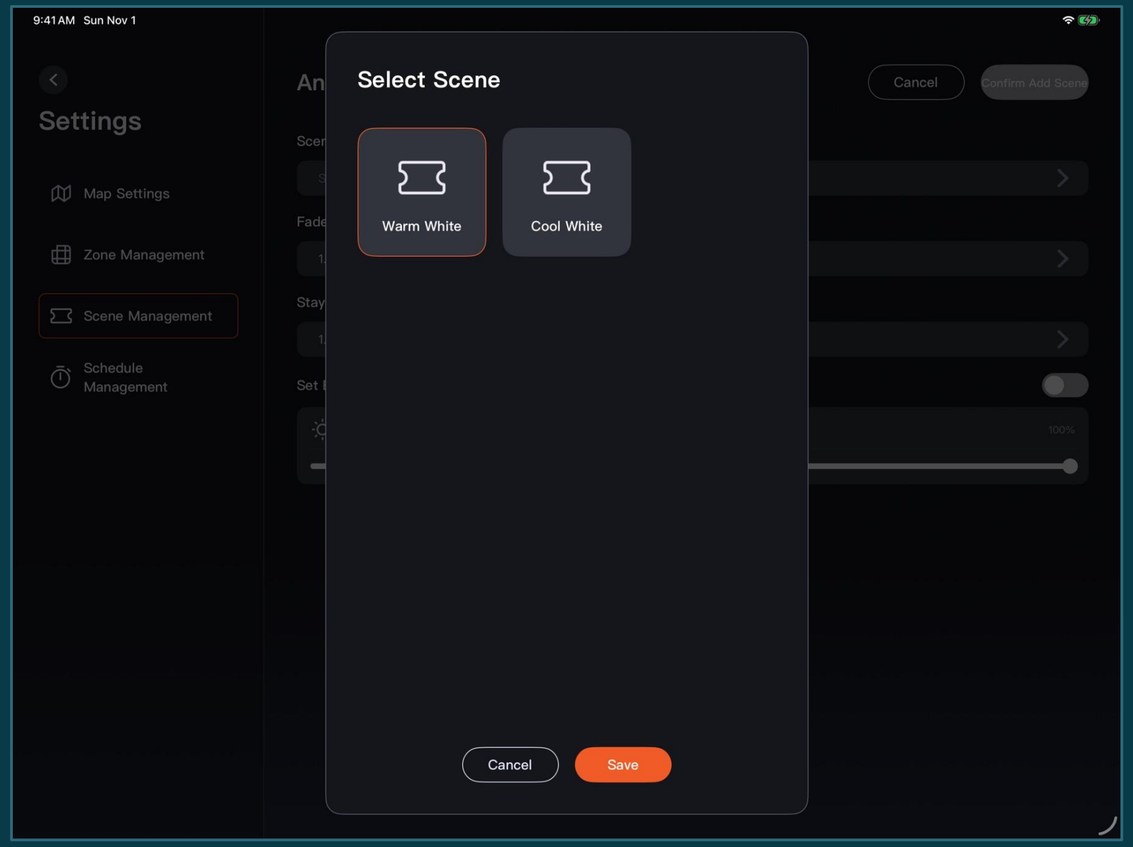
12 Switch to the Dynamic Scenes tab, tap Add Scene, enter "Color Wave", and choose Dynamic Scenes



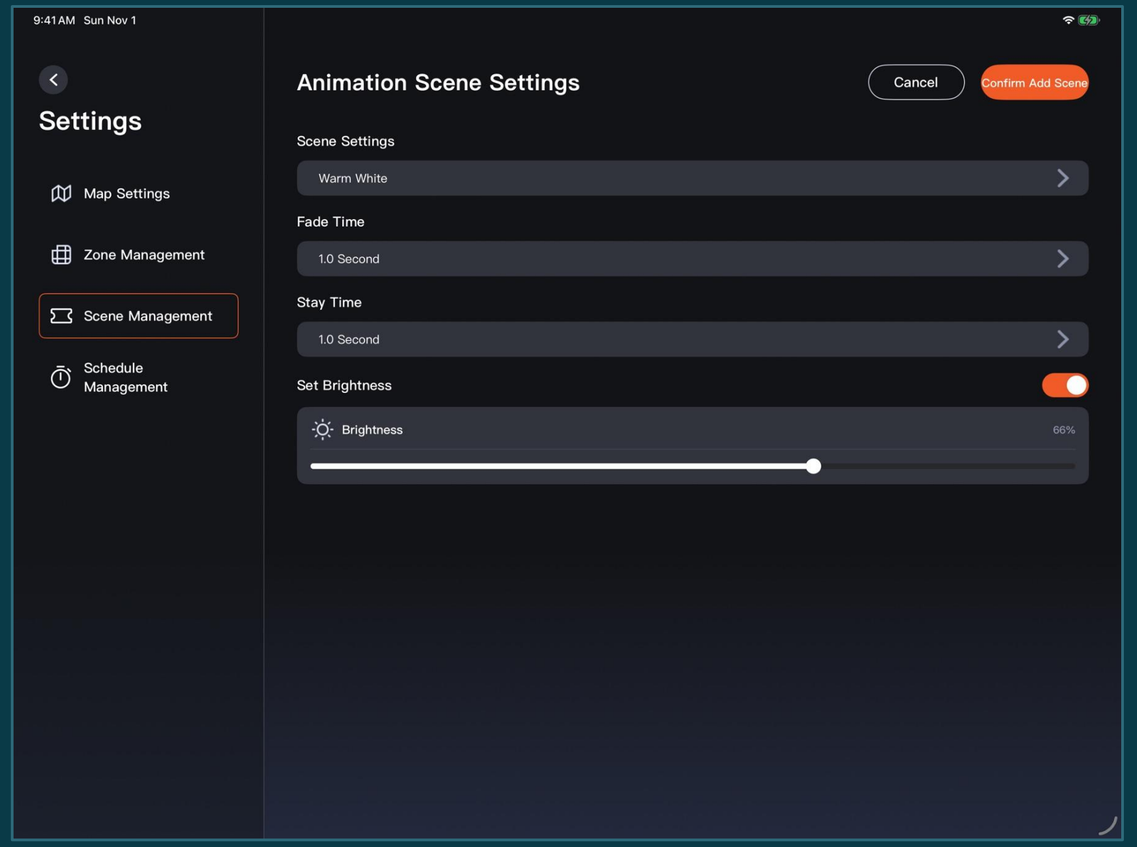
13 Tap OK

Dynamic Scenes

Path: 1F map page › gear icon (top right) › Scene Management › Dynamic Scenes



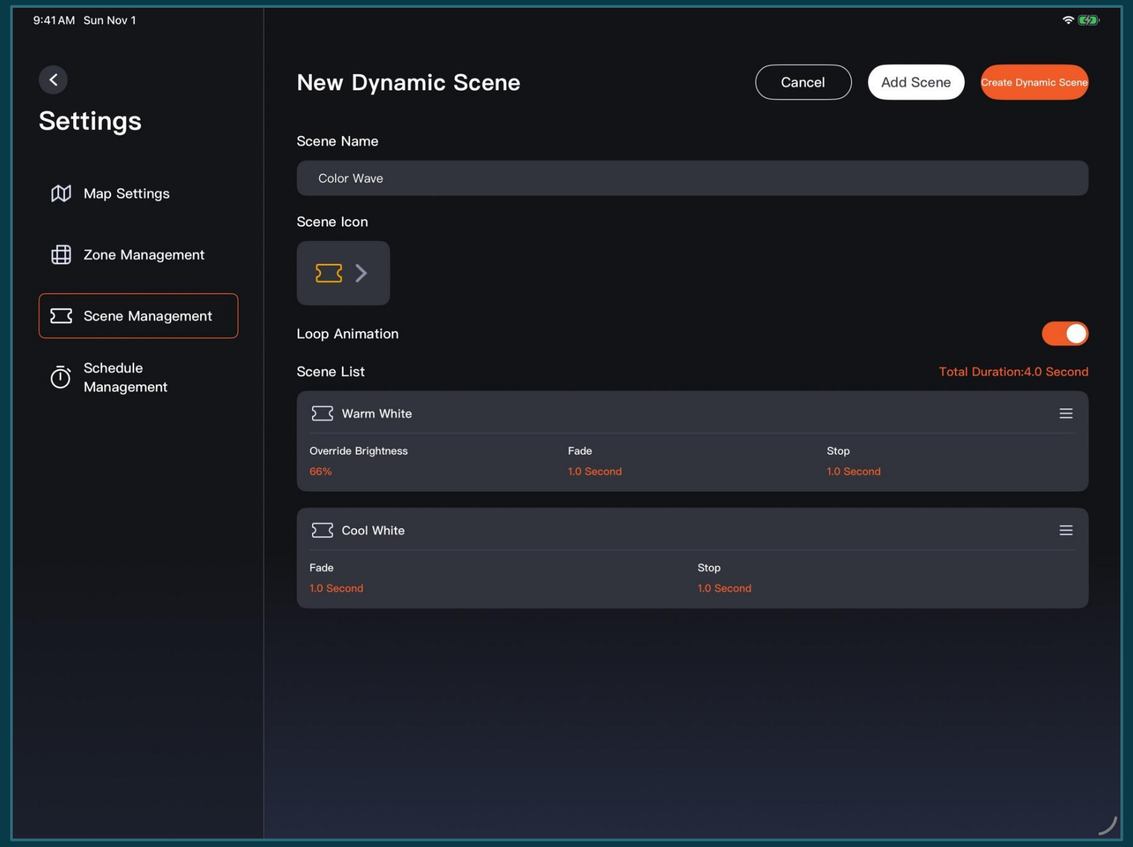
14 Tap Add Scene > Scene Settings and choose Warm White



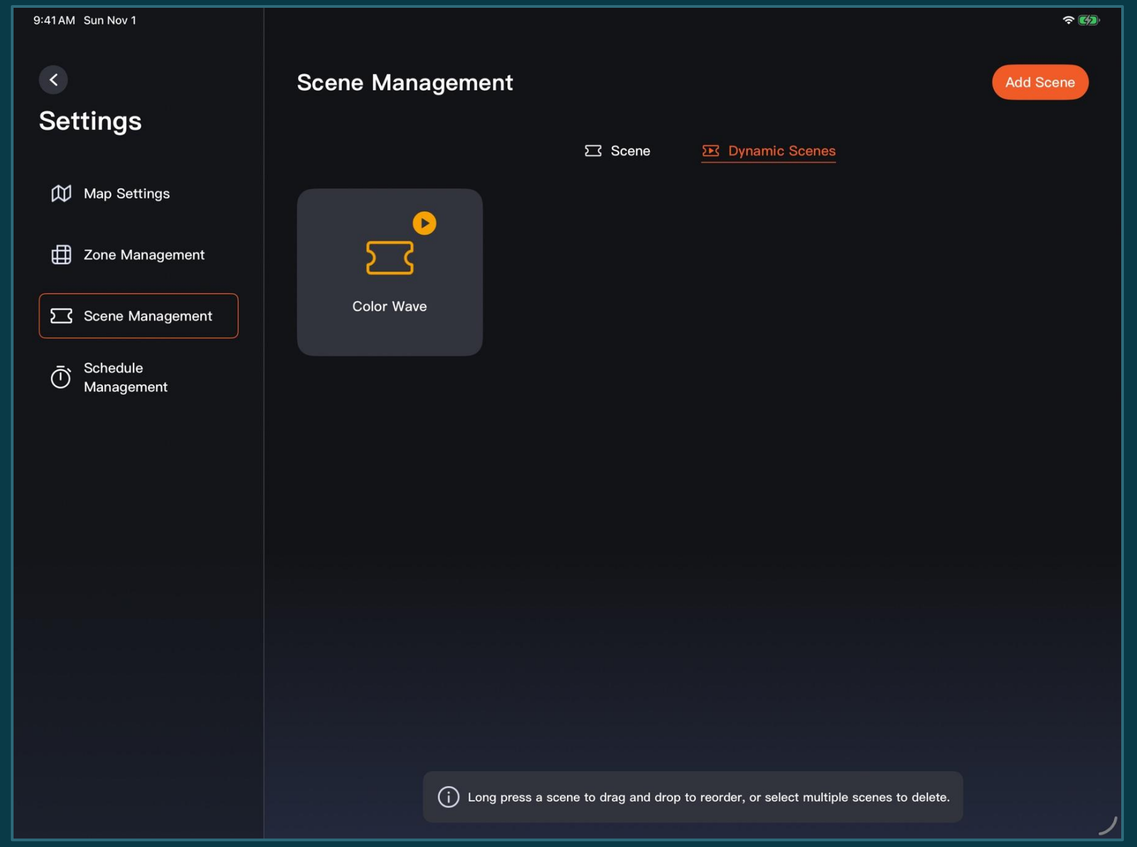
15 Tap Save, turn on Set Brightness, and set brightness to 66%

Dynamic Scenes

Path: 1F map page › gear icon (top right) › Scene Management › Dynamic Scenes



16 Tap Confirm Add Scene, add Cool White the same way, and turn on Loop Animation



17 Tap Create Dynamic Scene

5

Daily Schedules

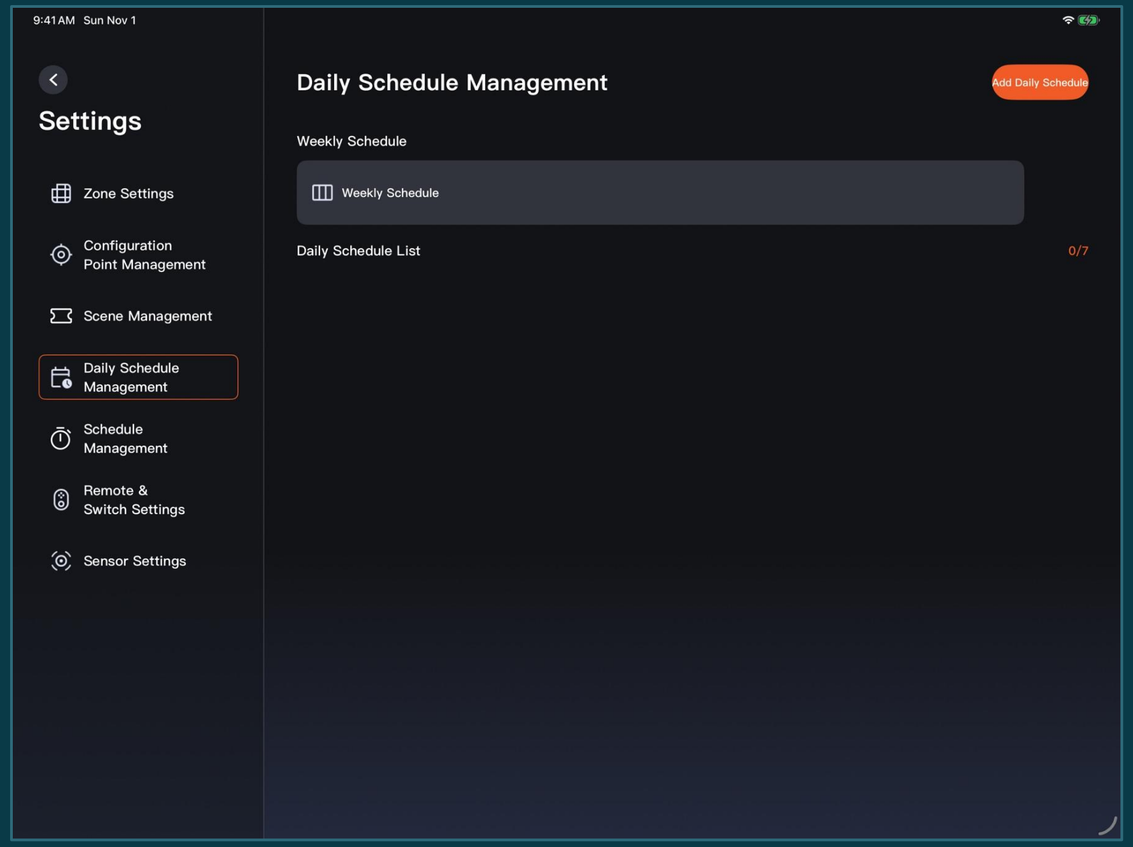
A daily schedule provides 24/7 automatic control, assigning scenes to time slots on a 24-hour dial.

Each zone can have up to 7 daily schedules.

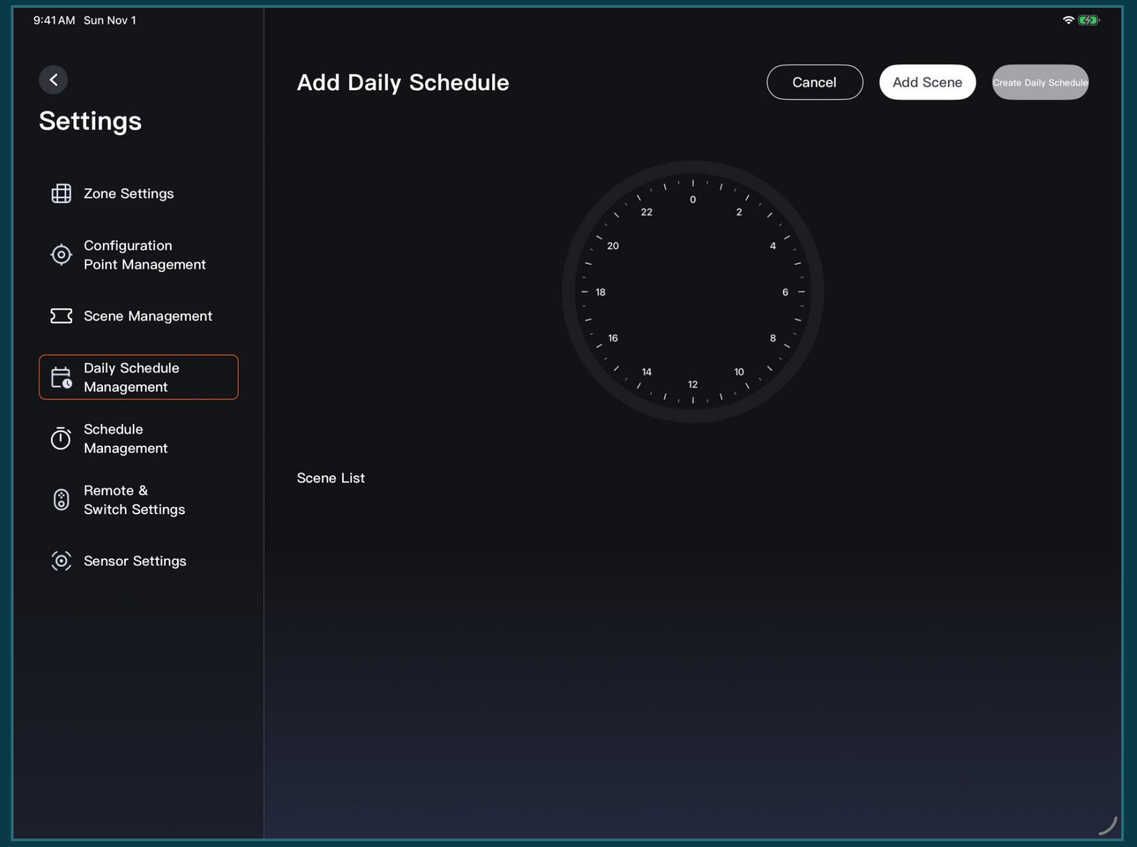
The weekly schedule sets which daily schedule runs on each day from Monday to Sunday.

Create a Daily Schedule

Path: Zone page › gear icon (top right) › Daily Schedule Management



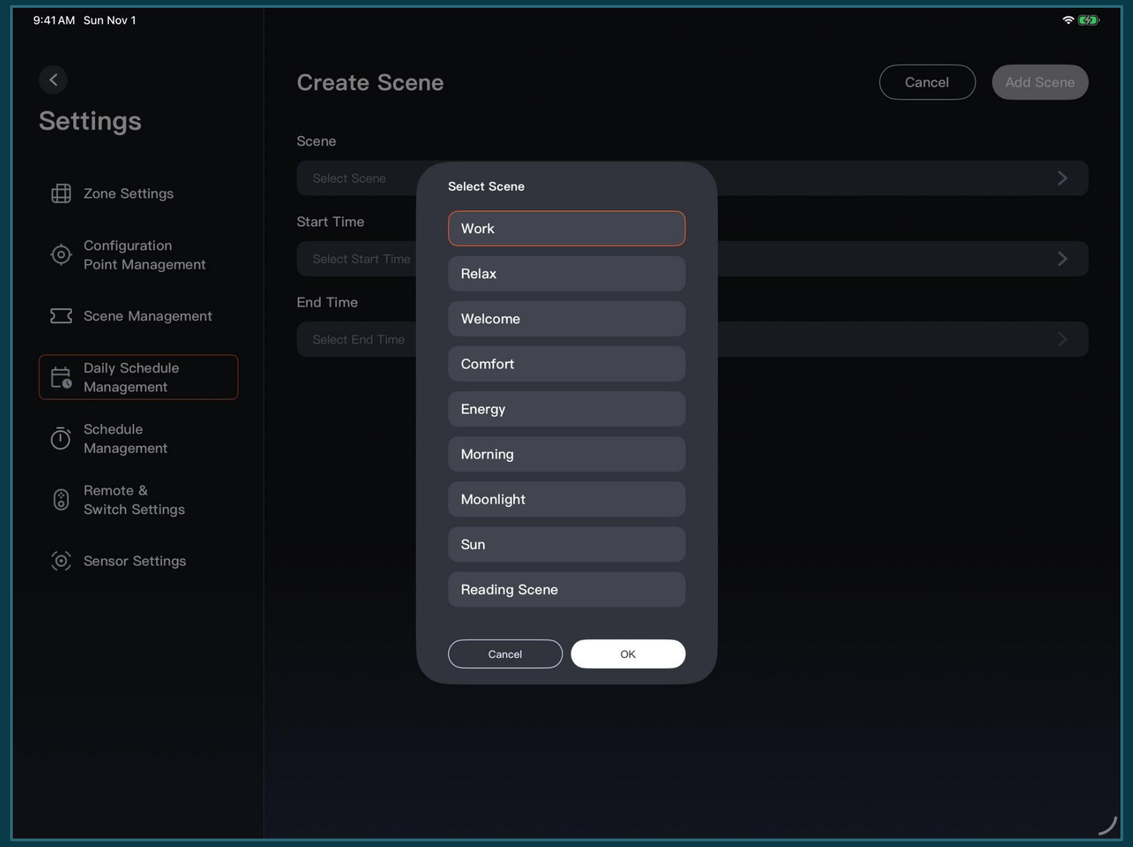
1 Go back to Office > gear icon > Daily Schedule Management



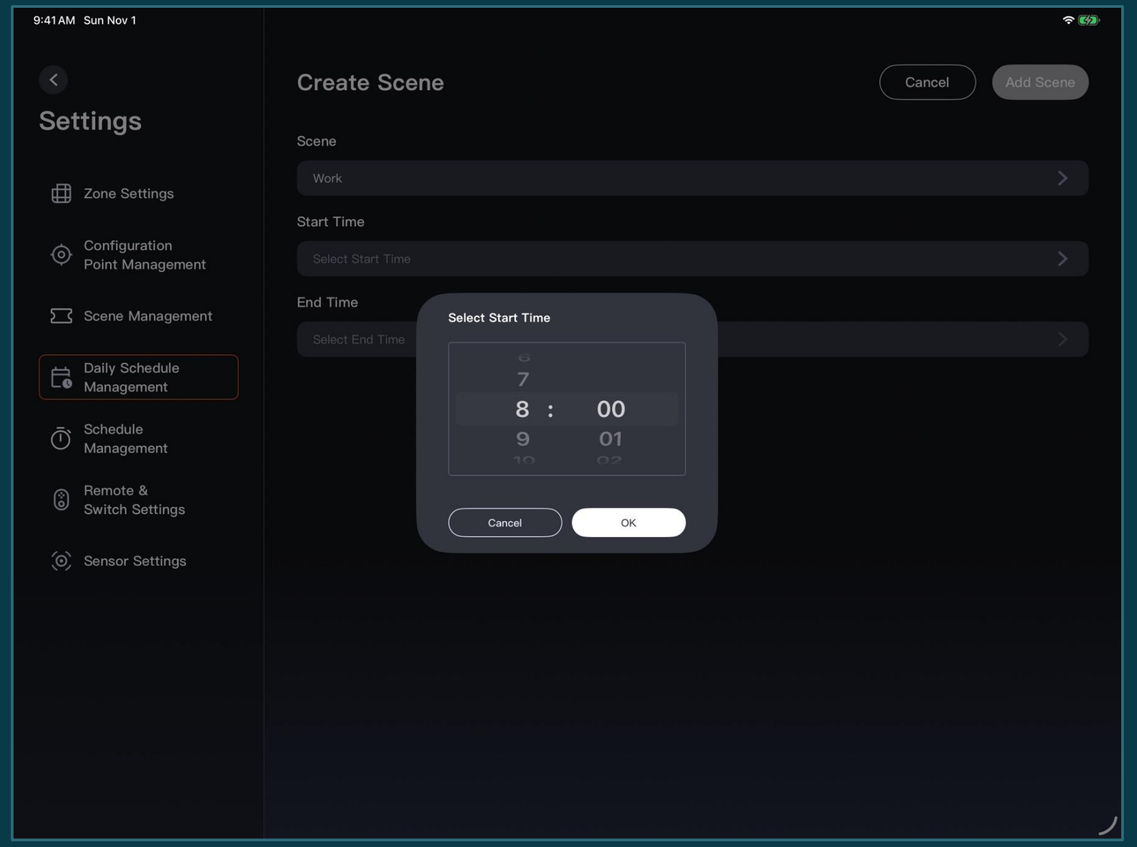
2 Tap Add Daily Schedule

Create a Daily Schedule

Path: Zone page › gear icon (top right) › Daily Schedule Management



3 Tap Add Scene > Scene and choose Work

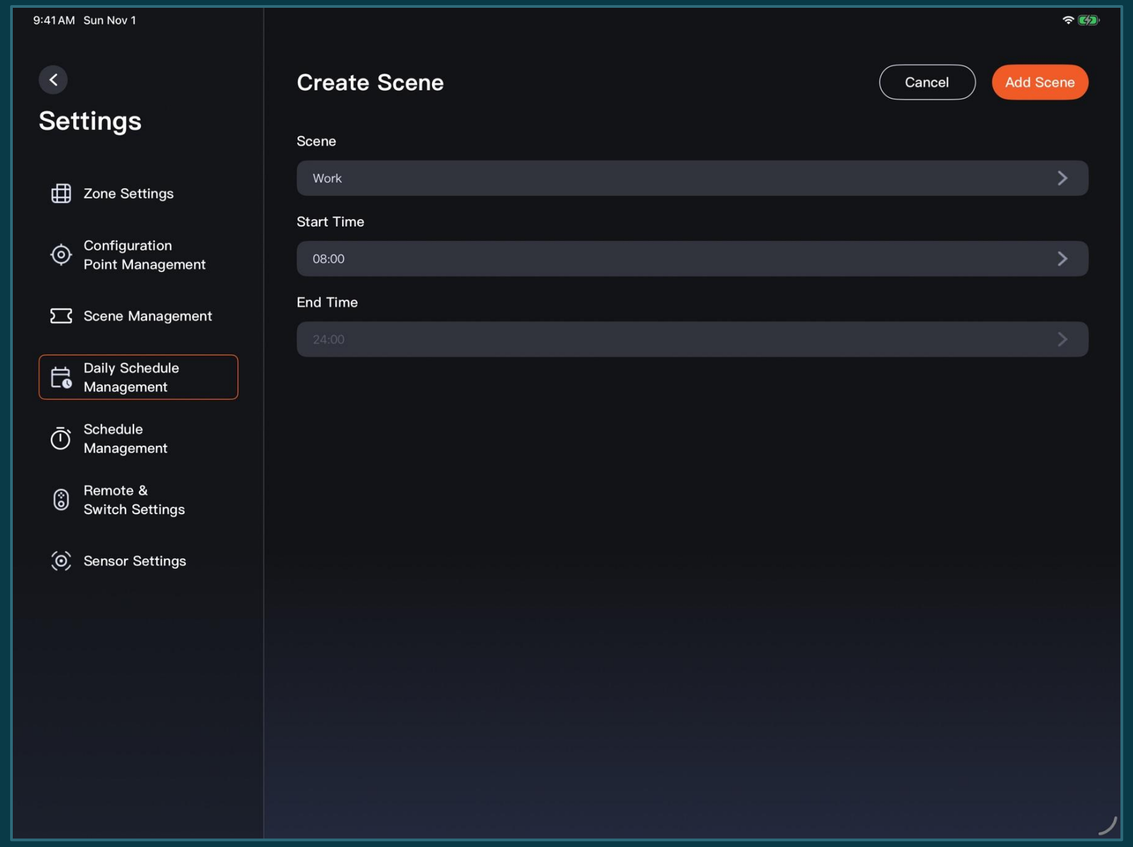


4 Tap OK, tap Start Time, and scroll to 8:00

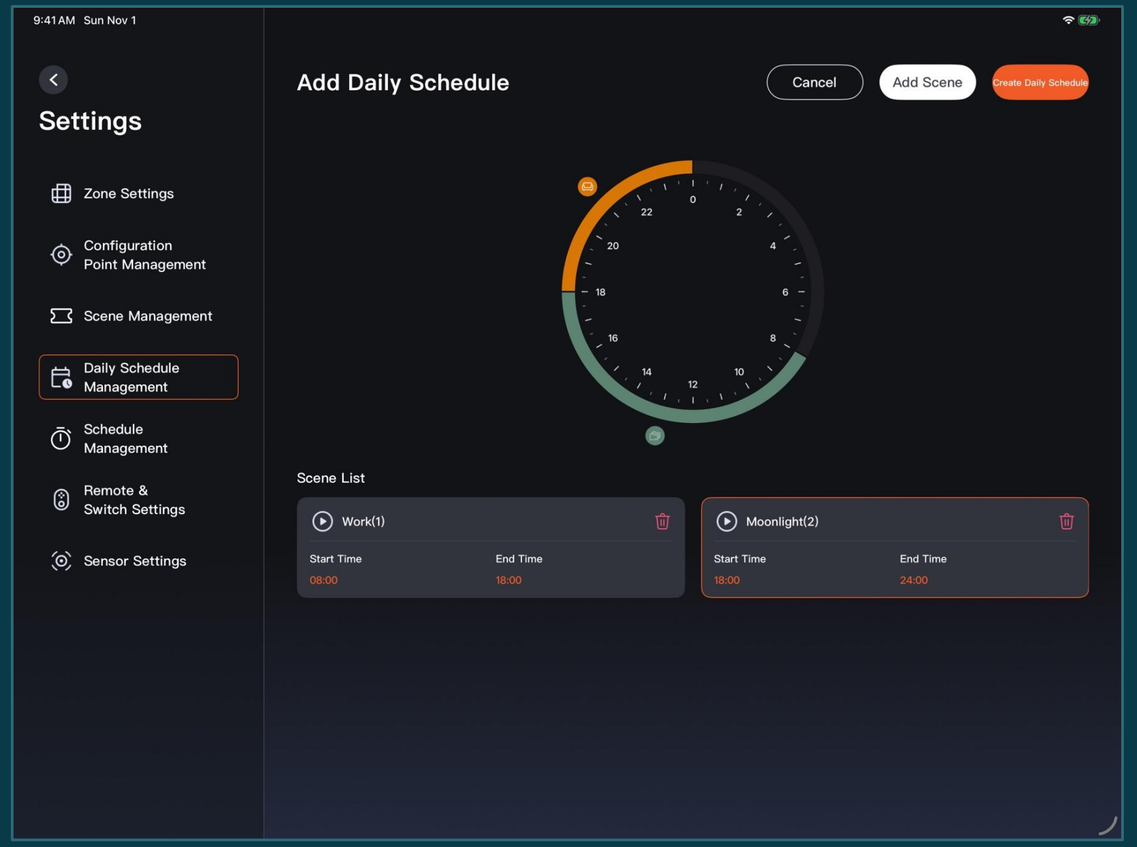
BLTC NETWORK CORP

Create a Daily Schedule

Path: Zone page › gear icon (top right) › Daily Schedule Management



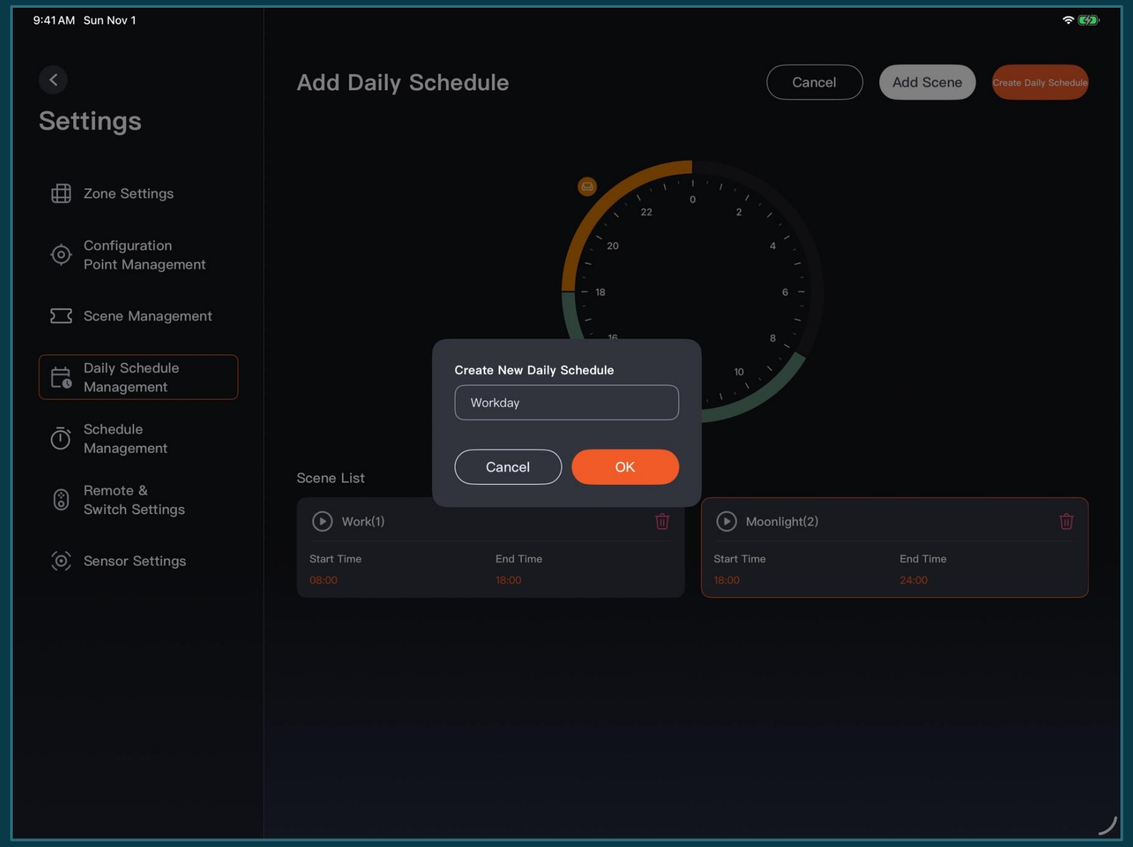
5 Tap OK



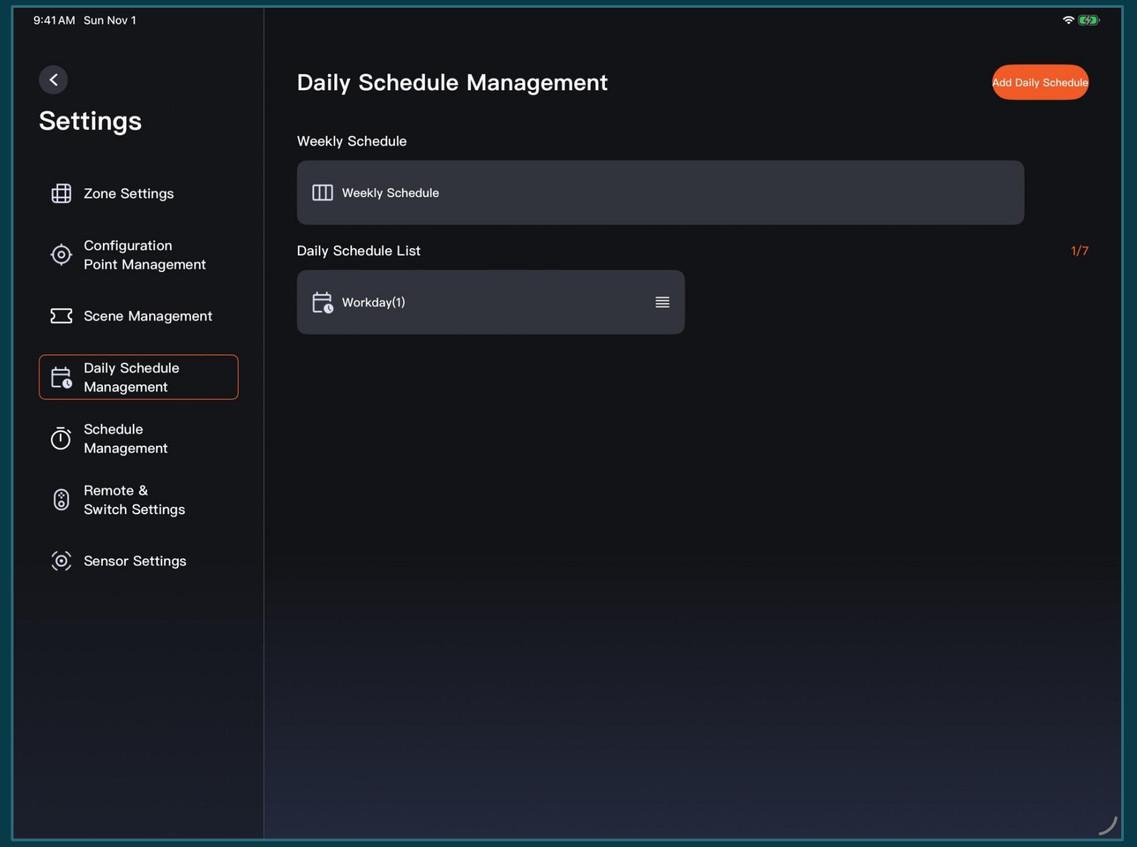
6 Tap Add Scene, then add another slot: Moonlight, Start Time 18:00

Create a Daily Schedule

Path: Zone page › gear icon (top right) › Daily Schedule Management



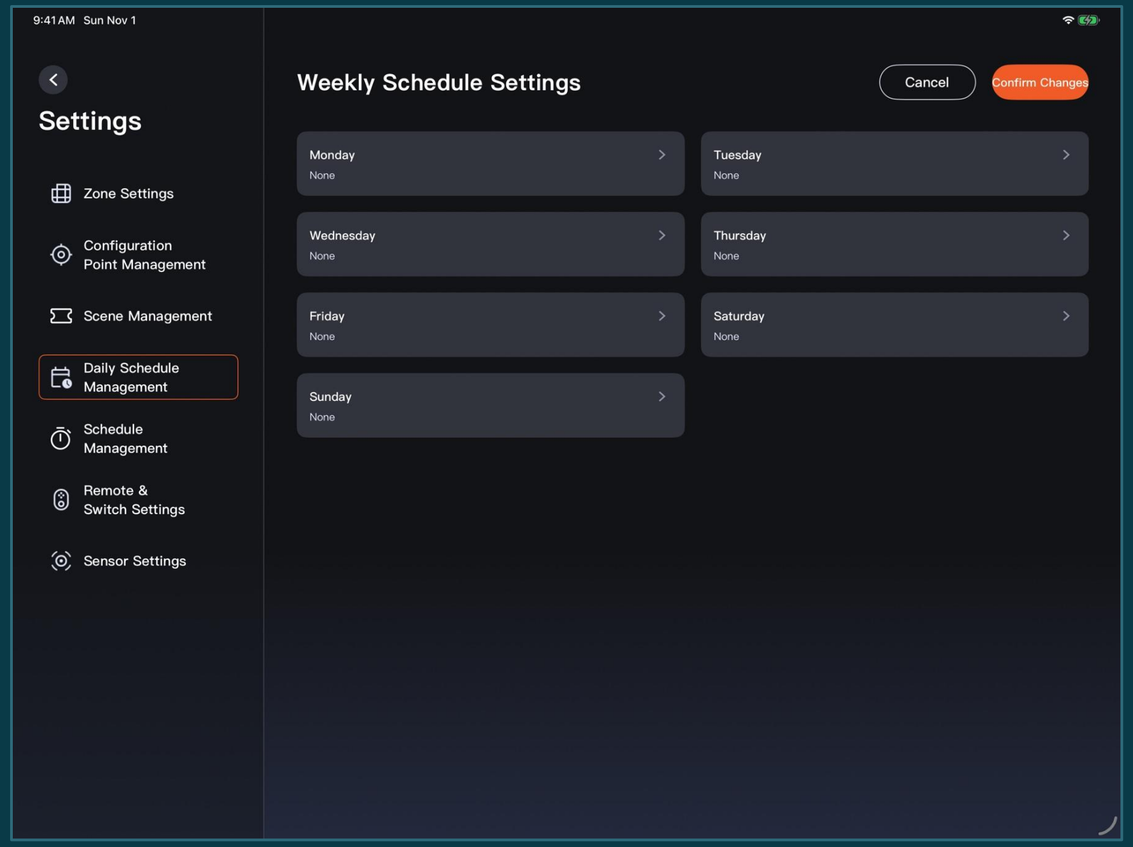
7 Tap Create Daily Schedule and enter "Workday"



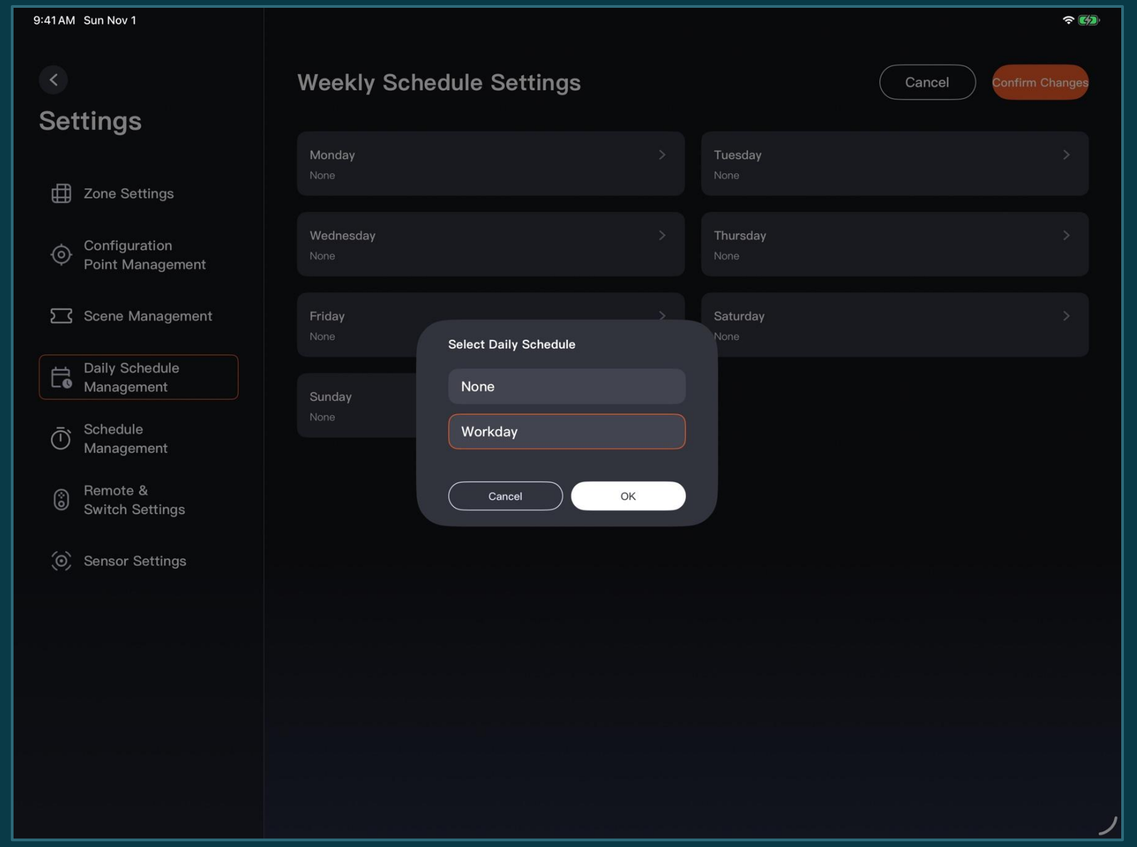
8 Tap OK

Weekly Schedule

Path: Zone page › gear icon (top right) › Daily Schedule Management › Weekly Schedule



9 Tap Weekly Schedule

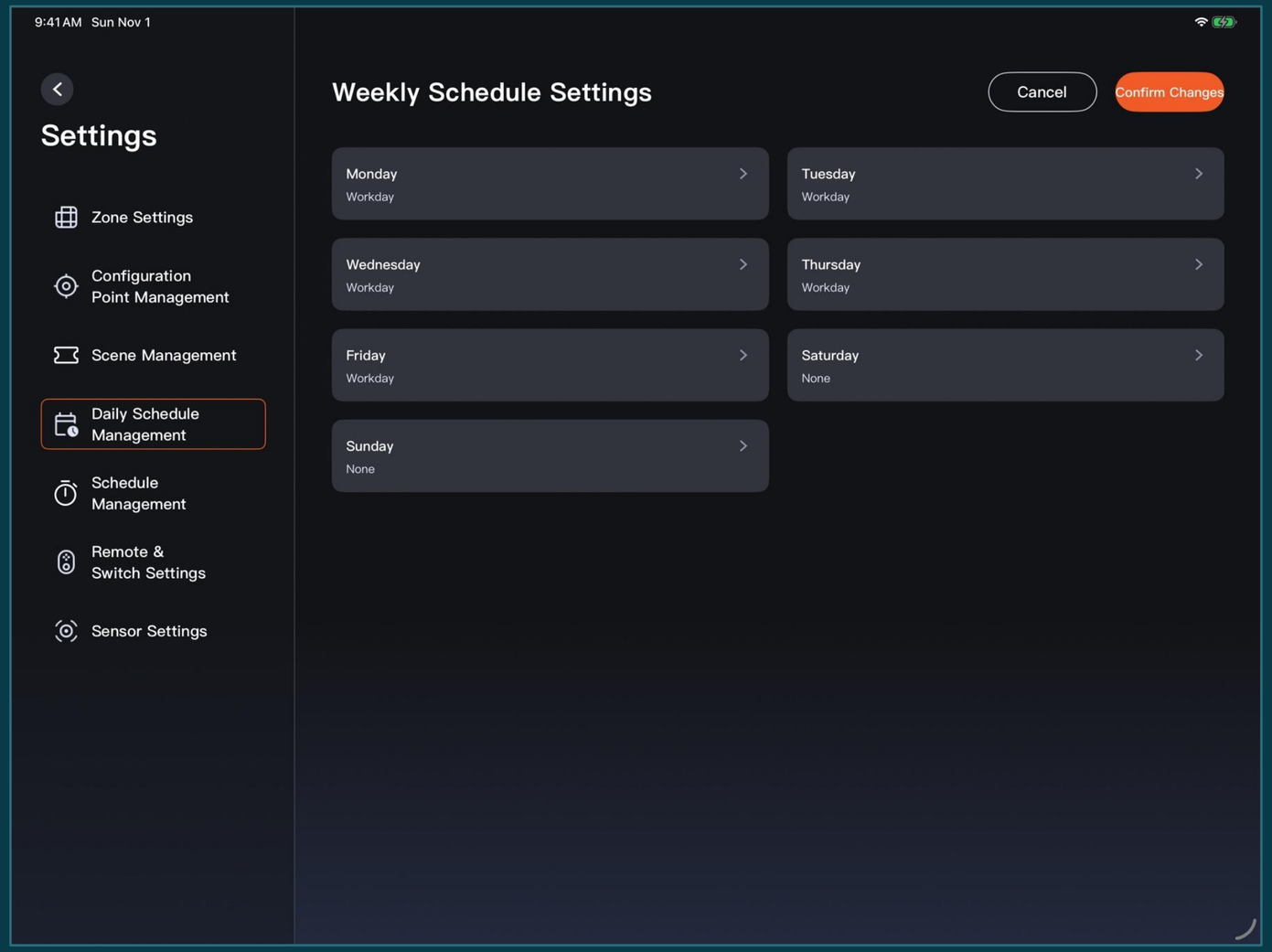


10 Tap Monday and choose Workday

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Weekly Schedule

Path: Zone page › gear icon (top right) › Daily Schedule Management › Weekly Schedule



11 Tap OK, and repeat for Tuesday to Friday

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6

Schedules

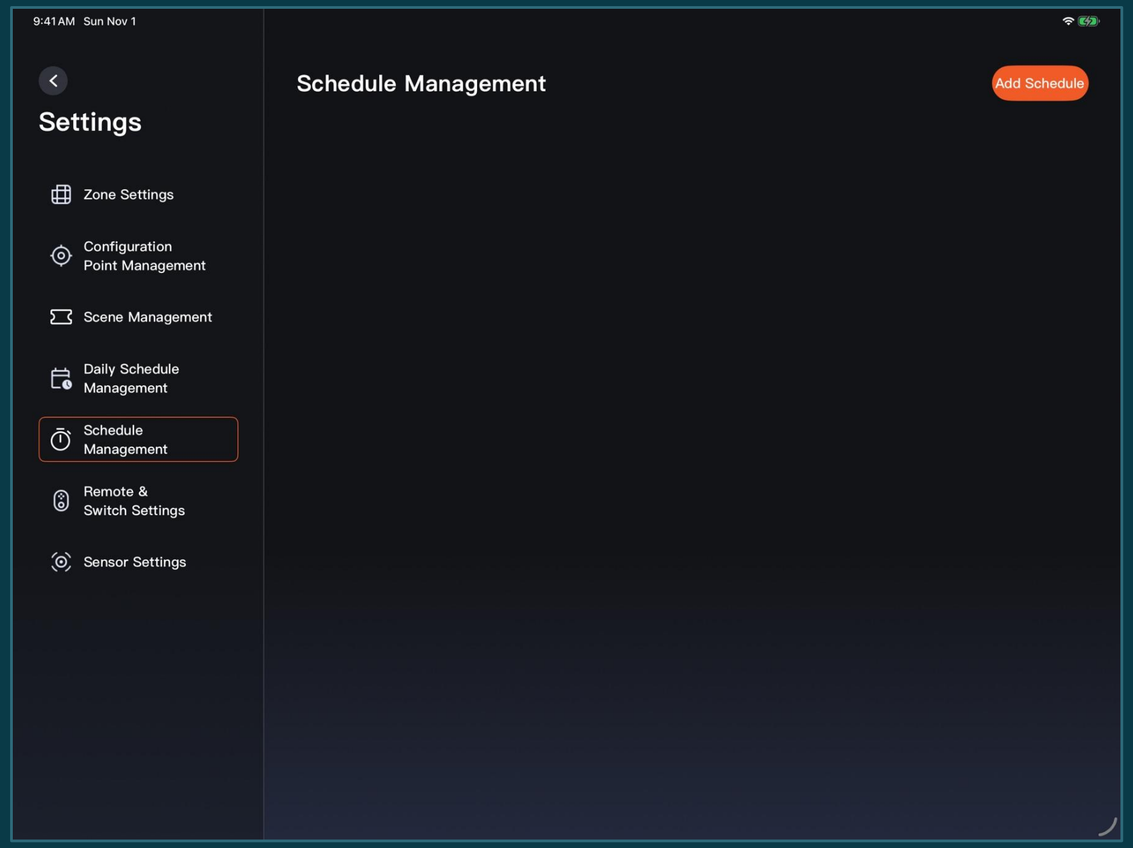
A schedule runs an action at a set time, for example turning off the lights at 22:00 every day.

You can choose which days of the week it repeats.

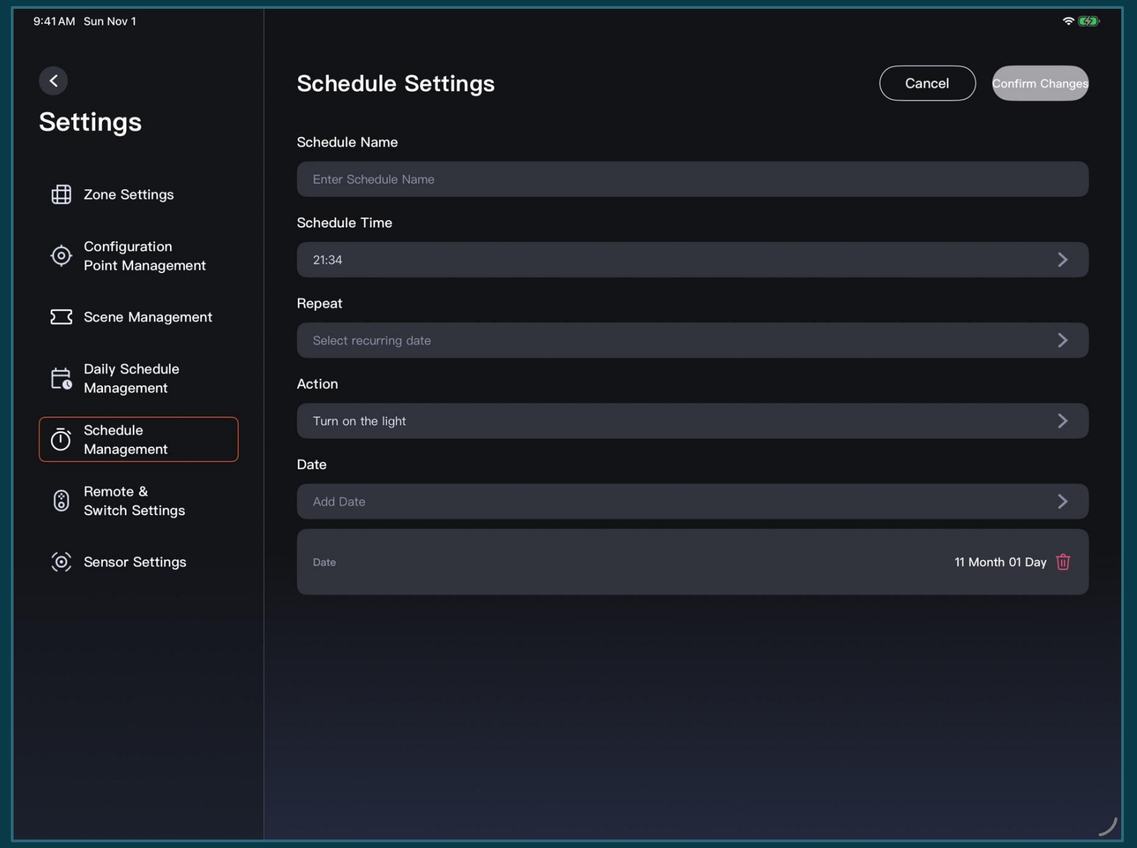
The action can be turning lights on, turning lights off, or any zone scene.

Create a Schedule

Path: Zone page › gear icon (top right) › Schedule Management



1 Tap Schedule Management on the left

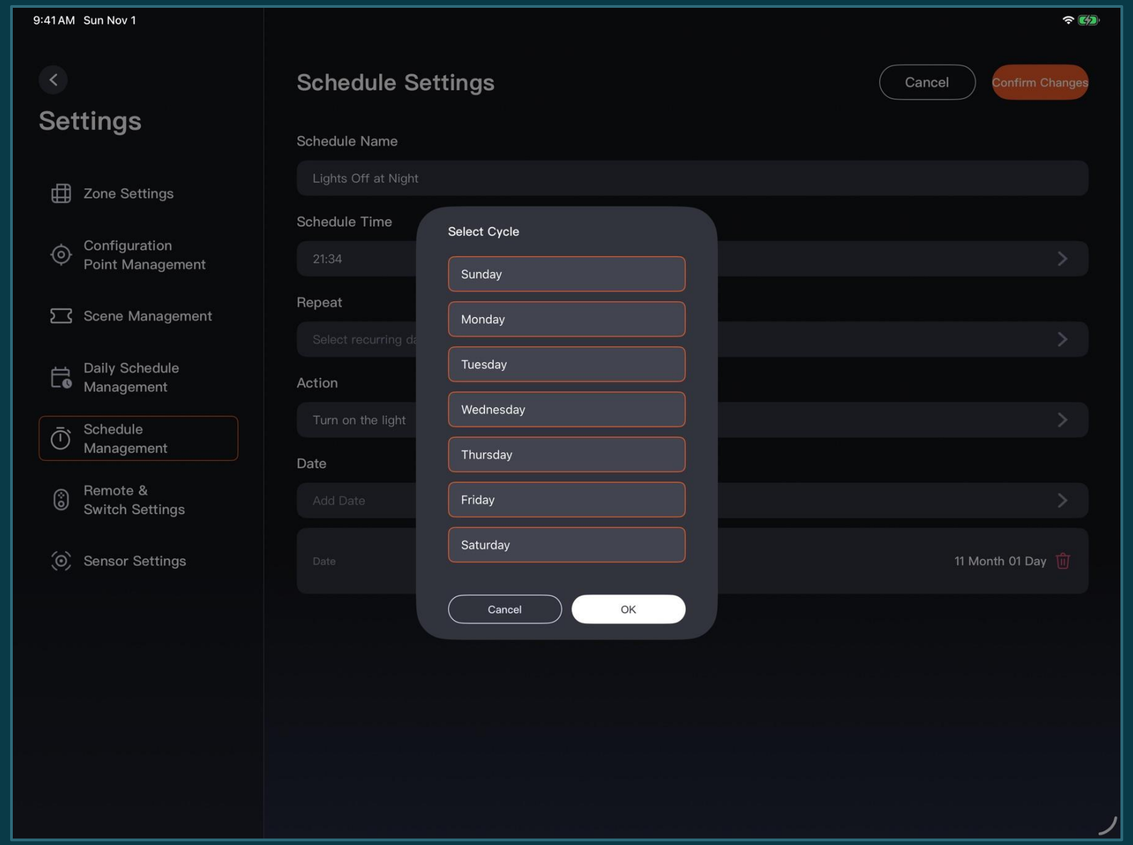


2 Tap Add Schedule

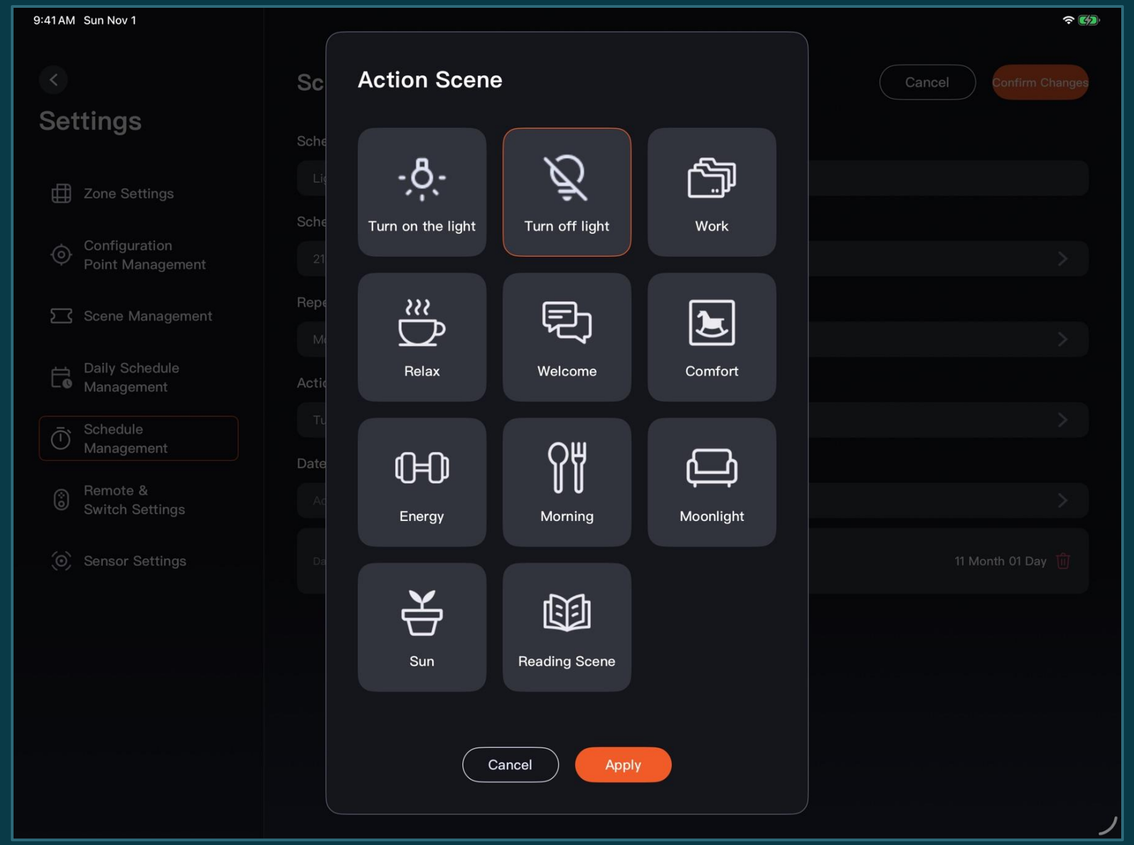
BNC BLTC NETWORK CORP

Create a Schedule

Path: Zone page › gear icon (top right) › Schedule Management



3 Enter Schedule Name "Lights Off at Night", tap Repeat, and select all seven days

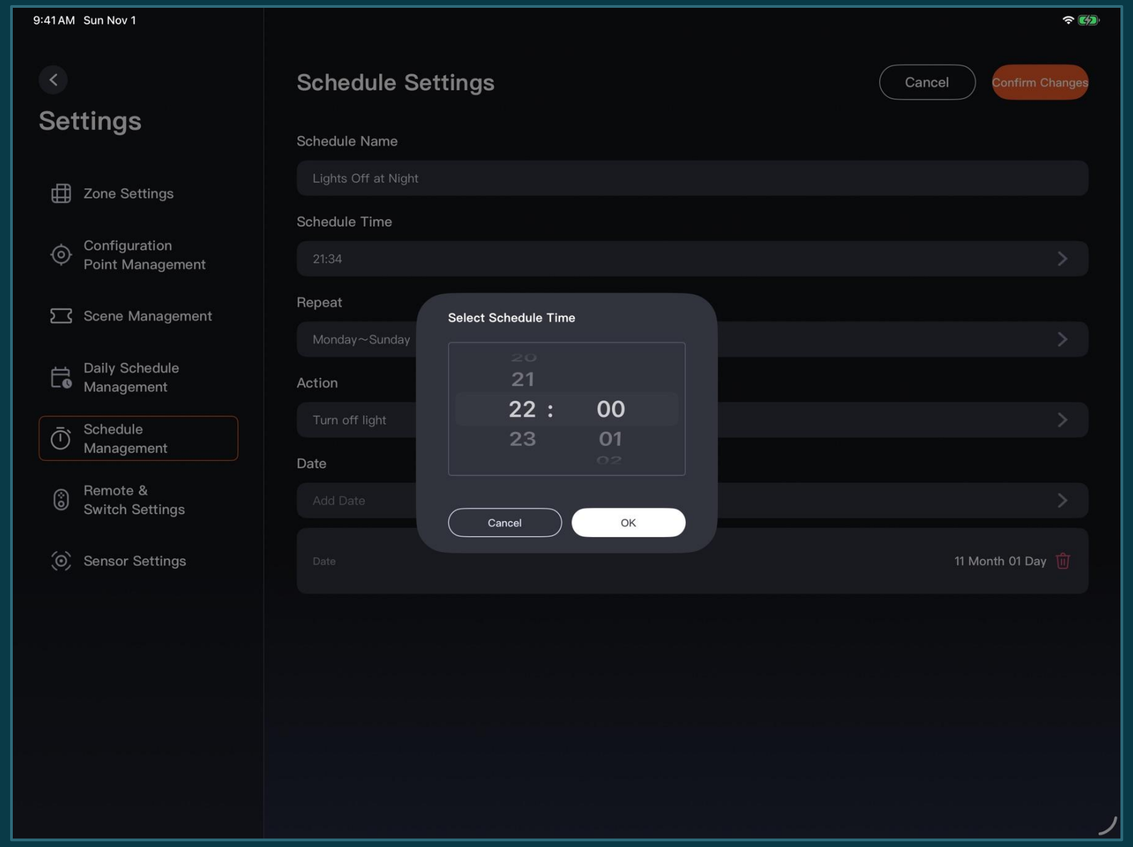


4 Tap OK, tap Action, and choose Turn off light

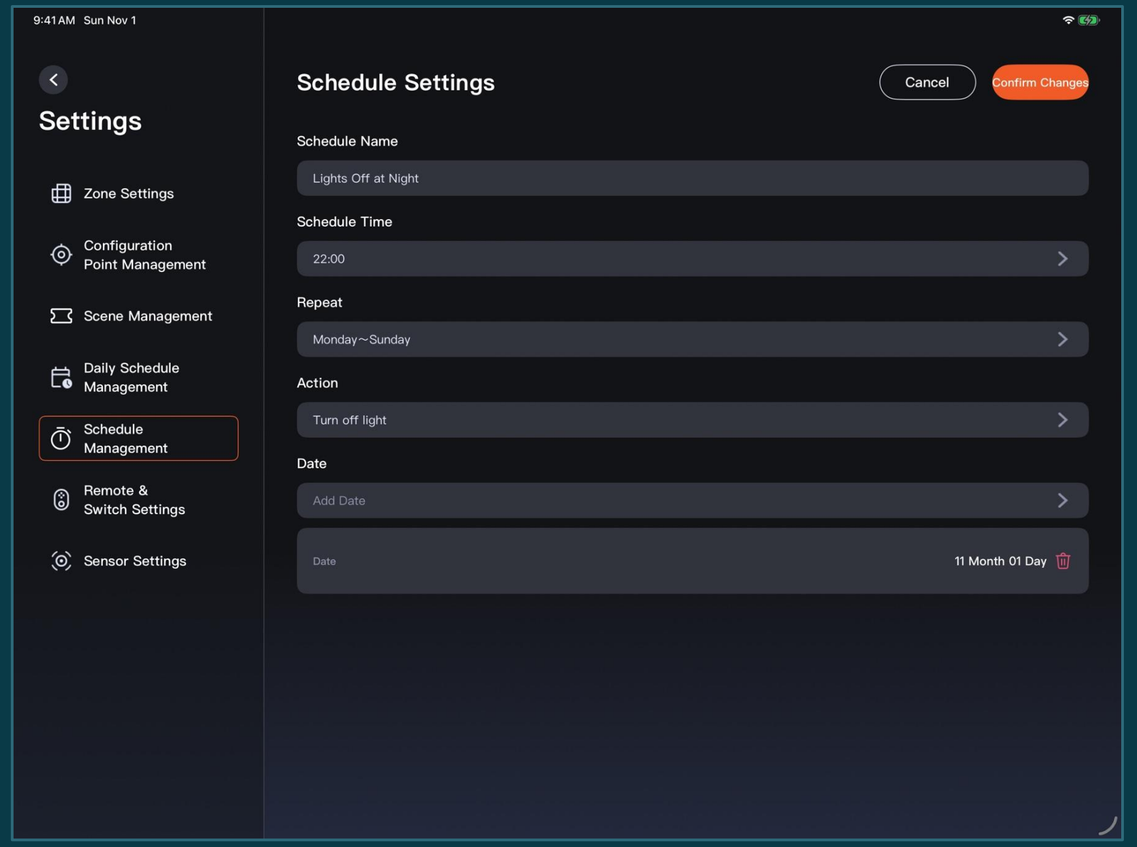
BLTC NETWORK CORP

Create a Schedule

Path: Zone page › gear icon (top right) › Schedule Management



5 Tap Apply, tap Schedule Time, and scroll to 22:00

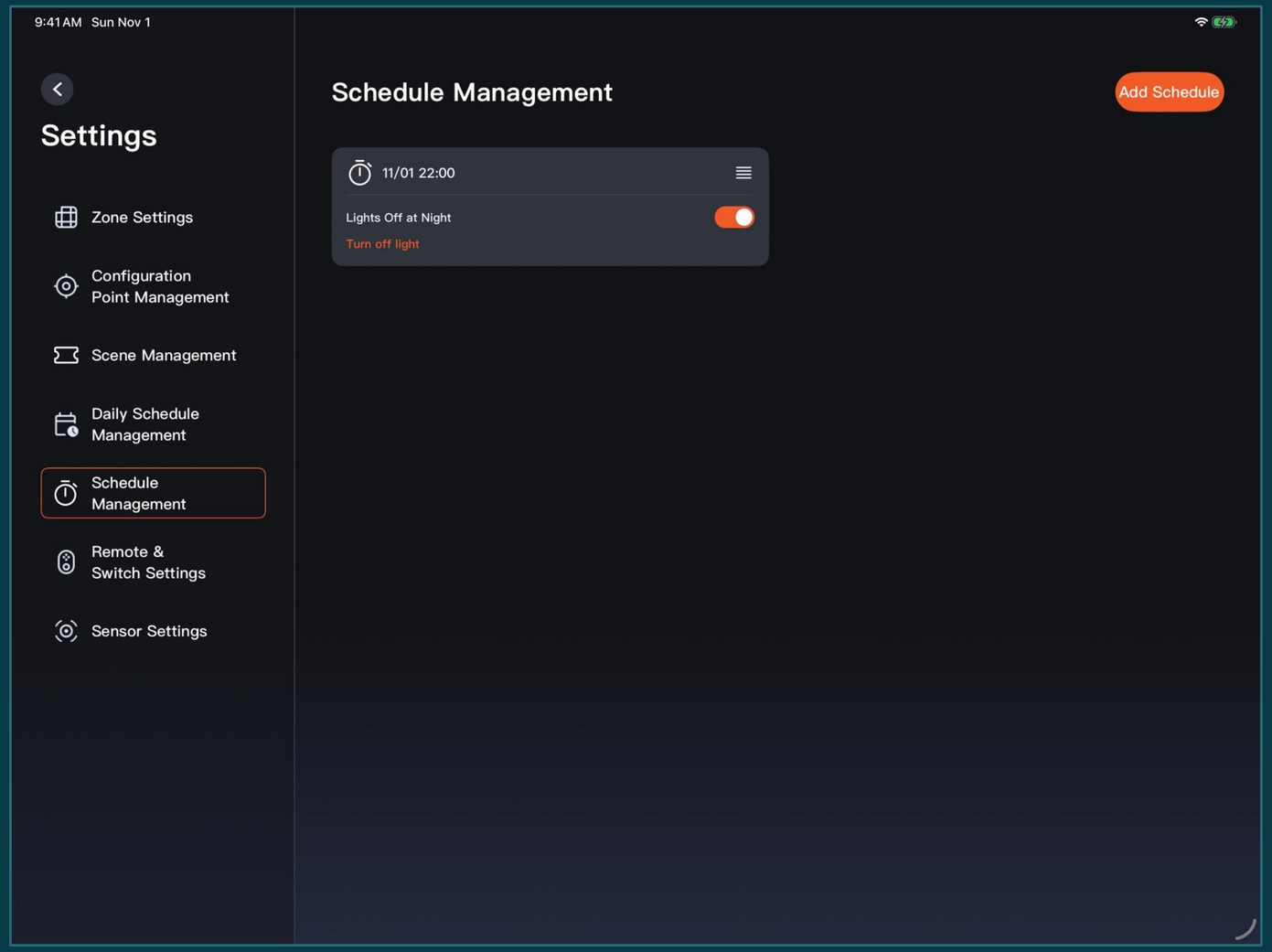


6 Tap OK

BLTC NETWORK CORP

Create a Schedule

Path: Zone page › gear icon (top right) › Schedule Management



7 Tap Confirm Changes

7

Sensors

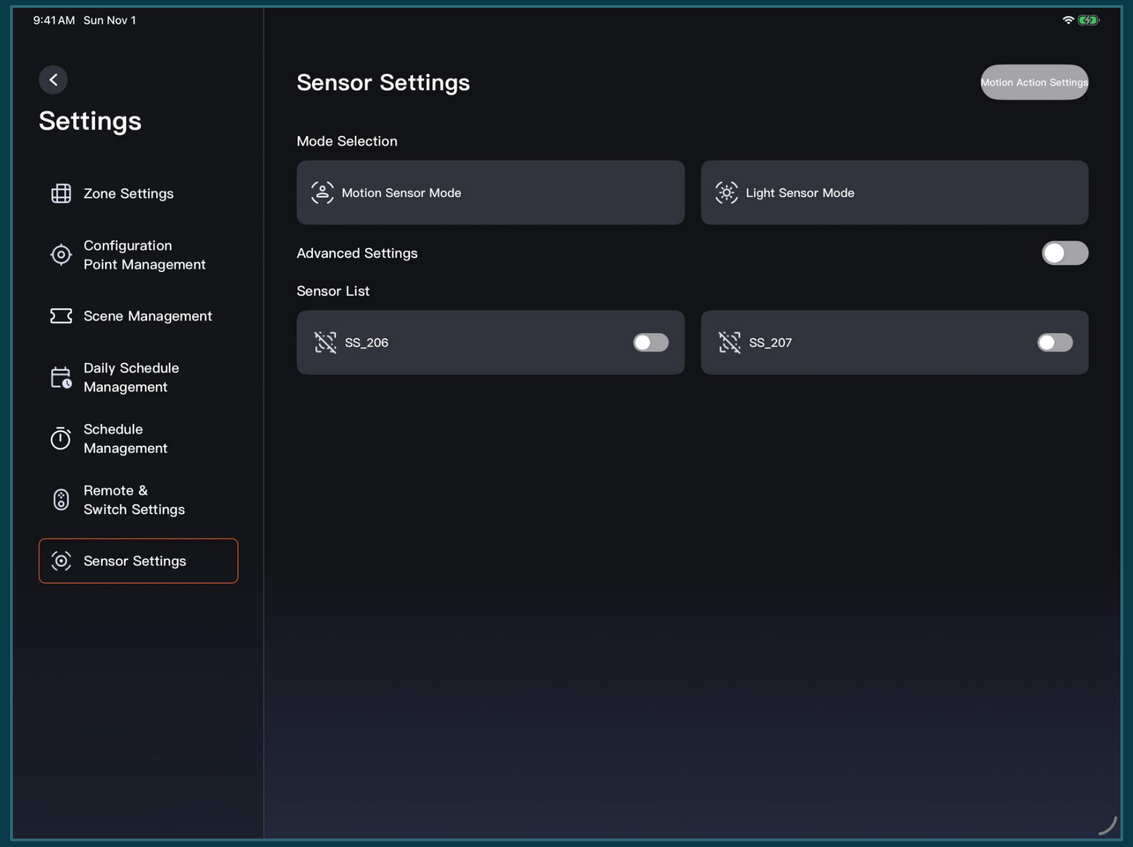
Motion Sensor Mode: when someone is detected, the lights run the Trigger, Next, and End actions in order.

Light Sensor Mode: set a target brightness, and the lights adjust to the ambient light.

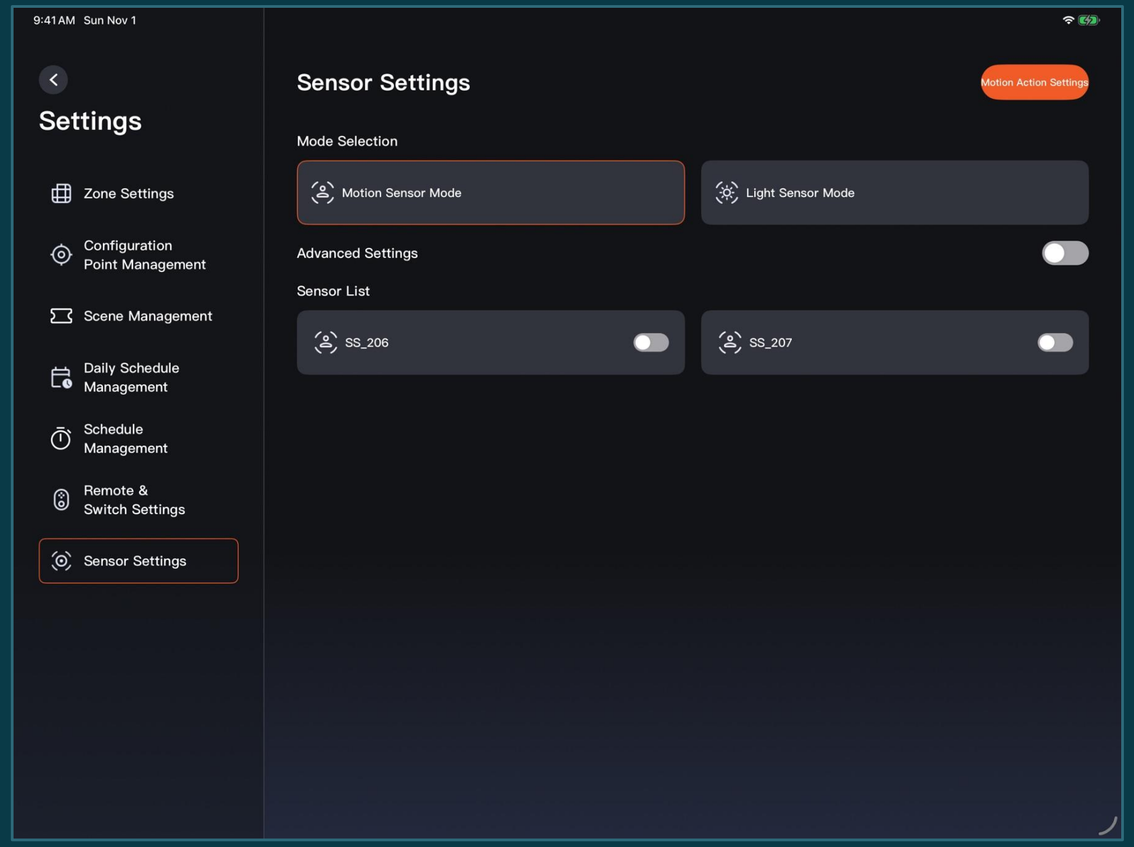
Advanced Settings: each sensor has its own mode and actions.

Choose a Sensor Mode

Path: Zone page › gear icon (top right) › Sensor Settings



1 Tap Sensor Settings in the Zone Settings menu

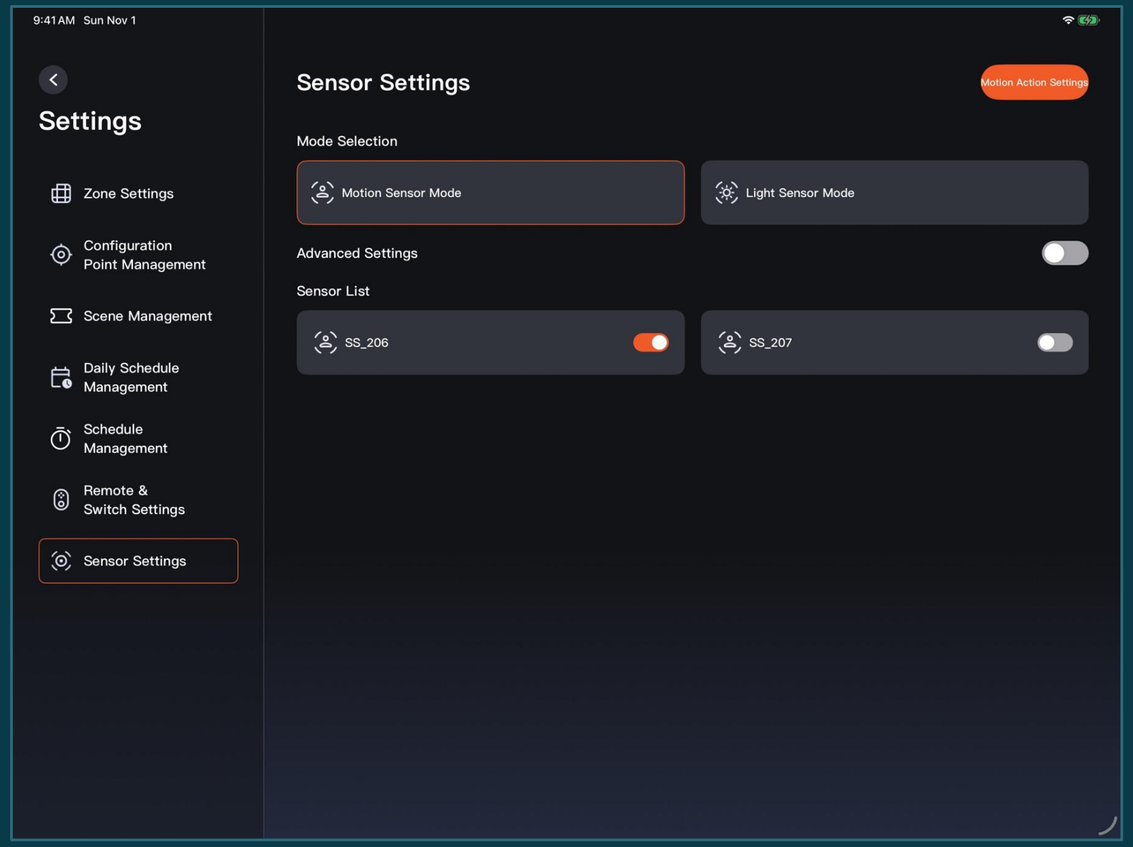


2 Tap Motion Sensor Mode

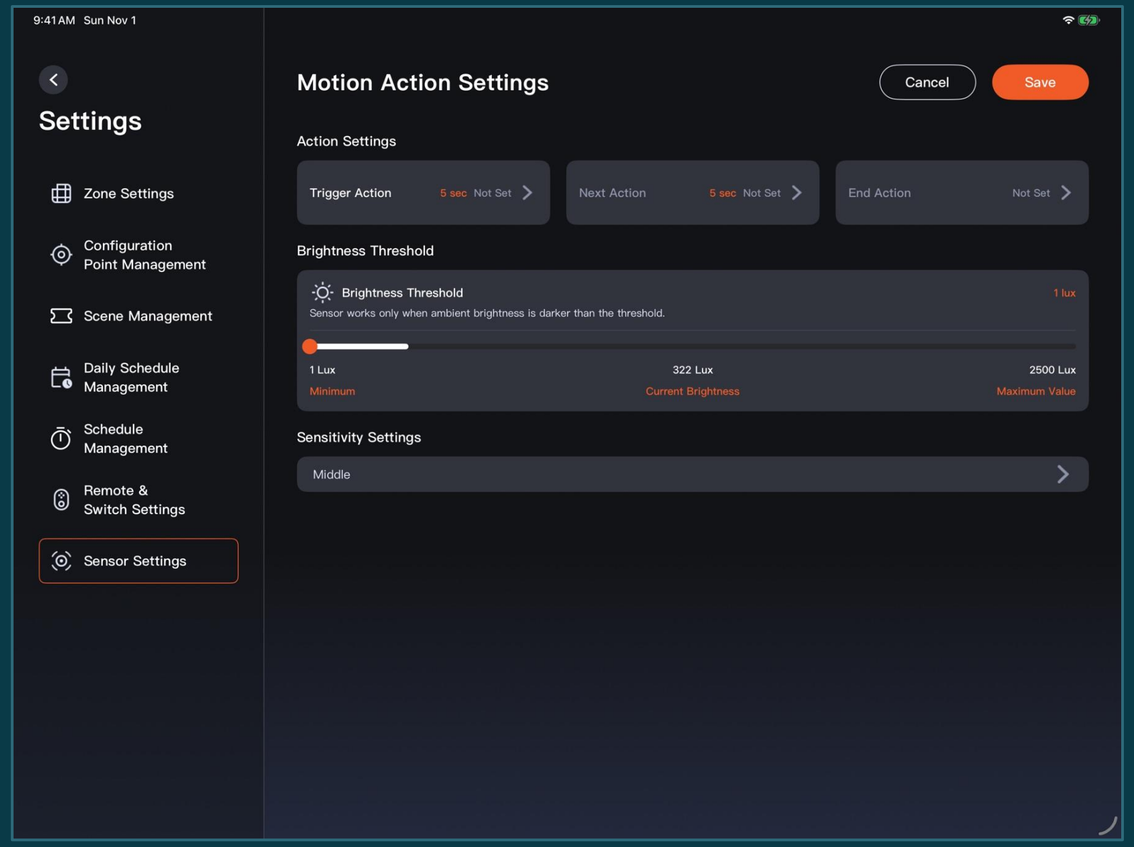
BNC BLTC NETWORK CORP

Enable a Sensor

Path: Zone page › gear icon (top right) › Sensor Settings



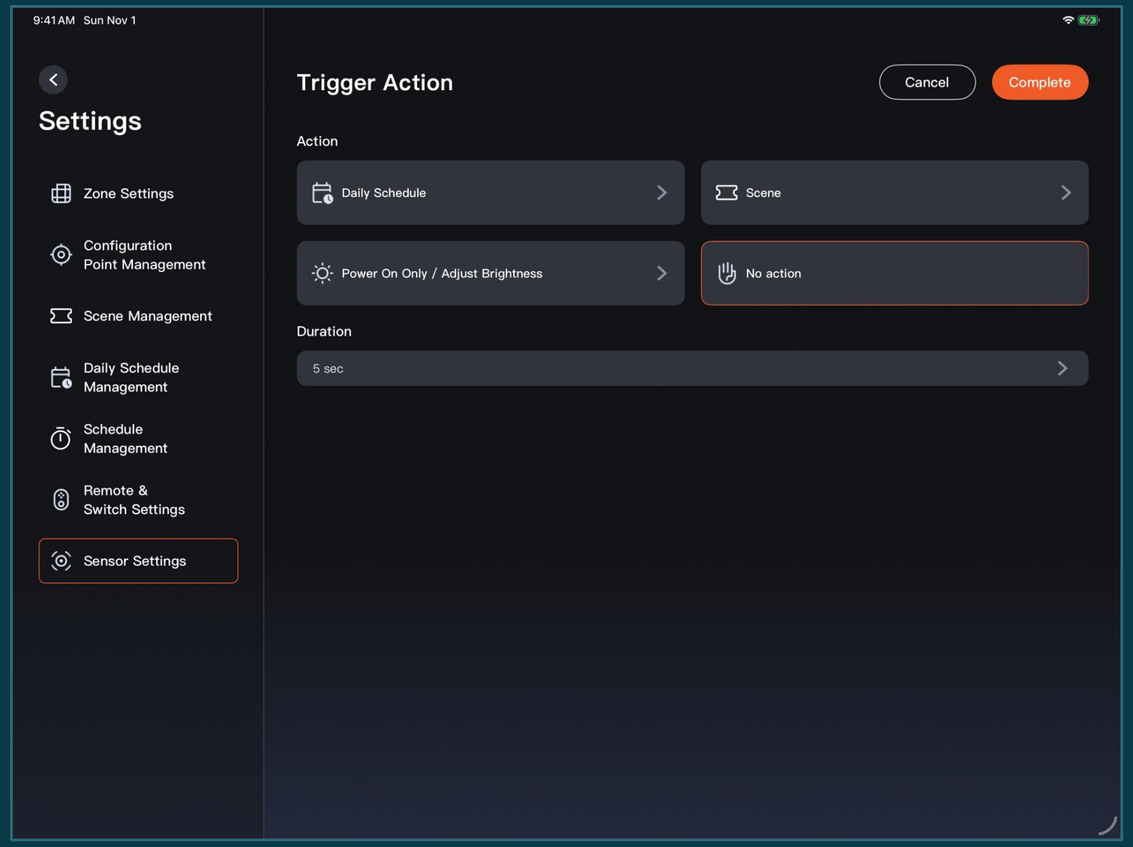
3 Turn on the switch for SS_206



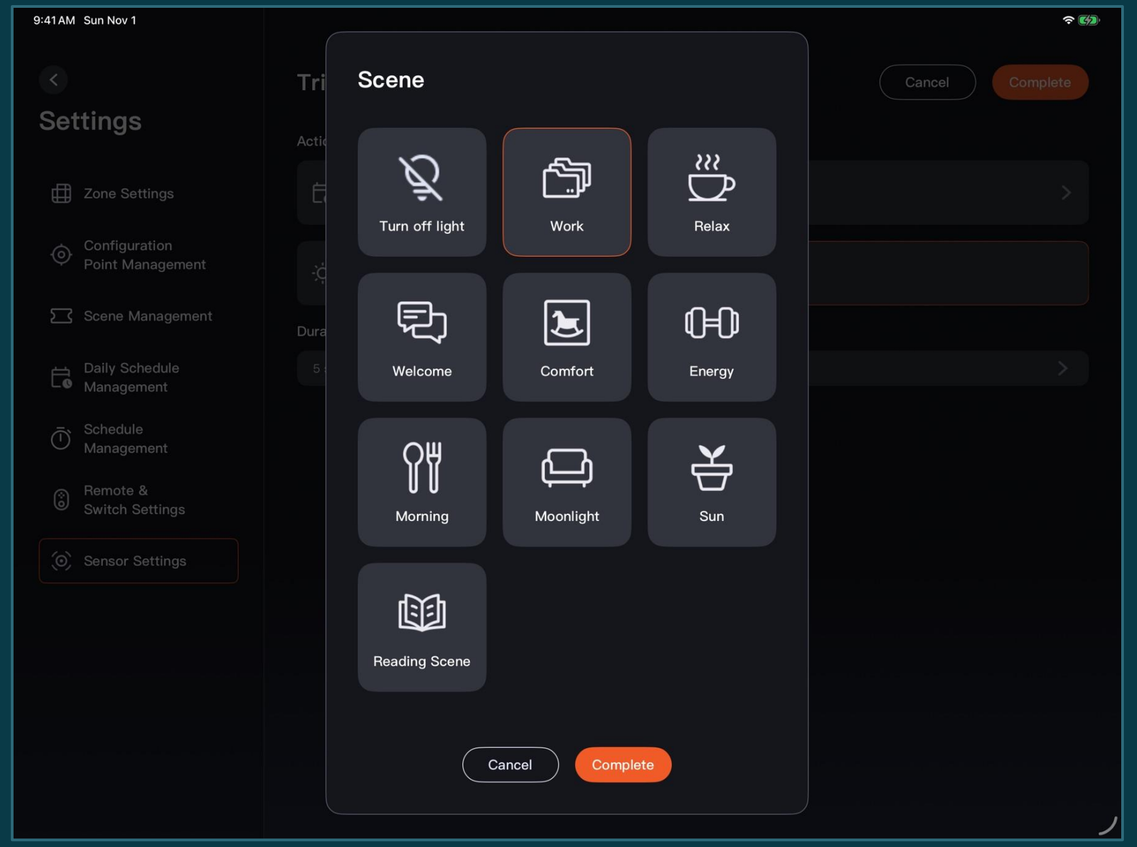
4 Tap Motion Action Settings

Motion Actions

Path: Sensor Settings › Motion Action Settings



5 Tap Trigger Action

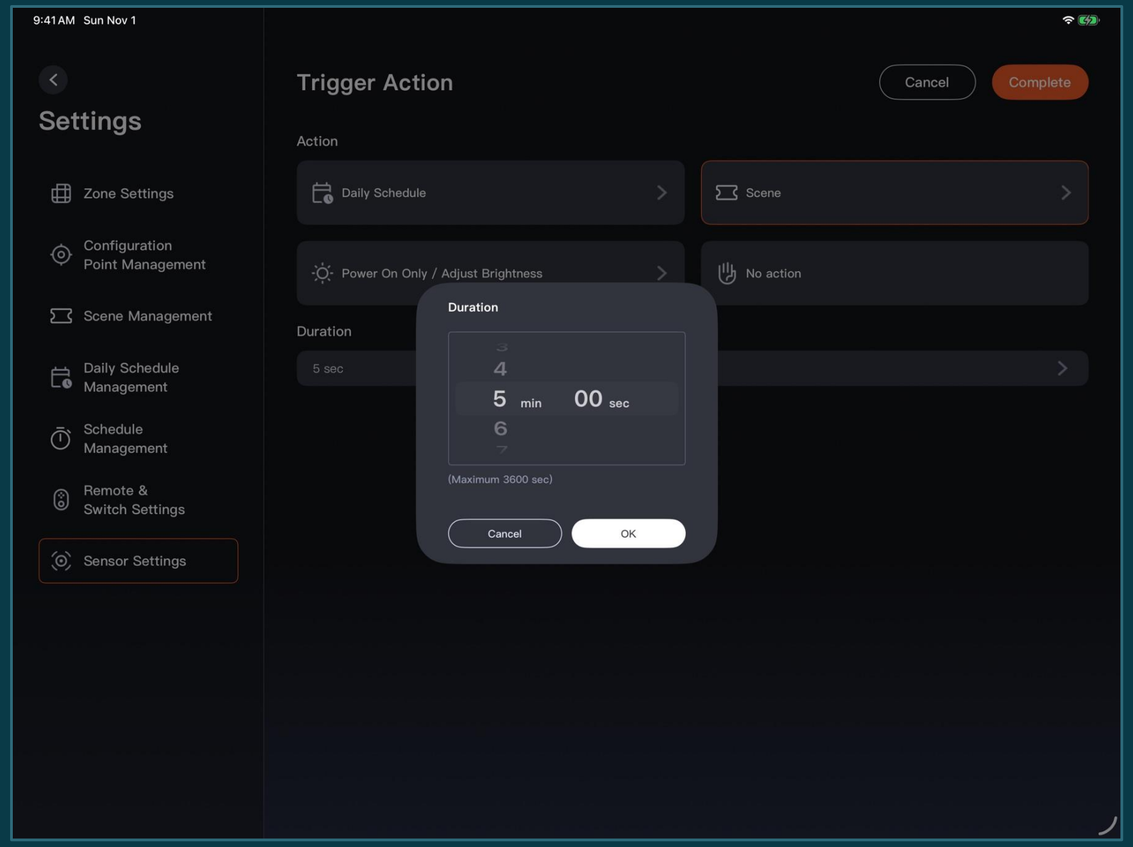


6 Tap Scene and choose Work

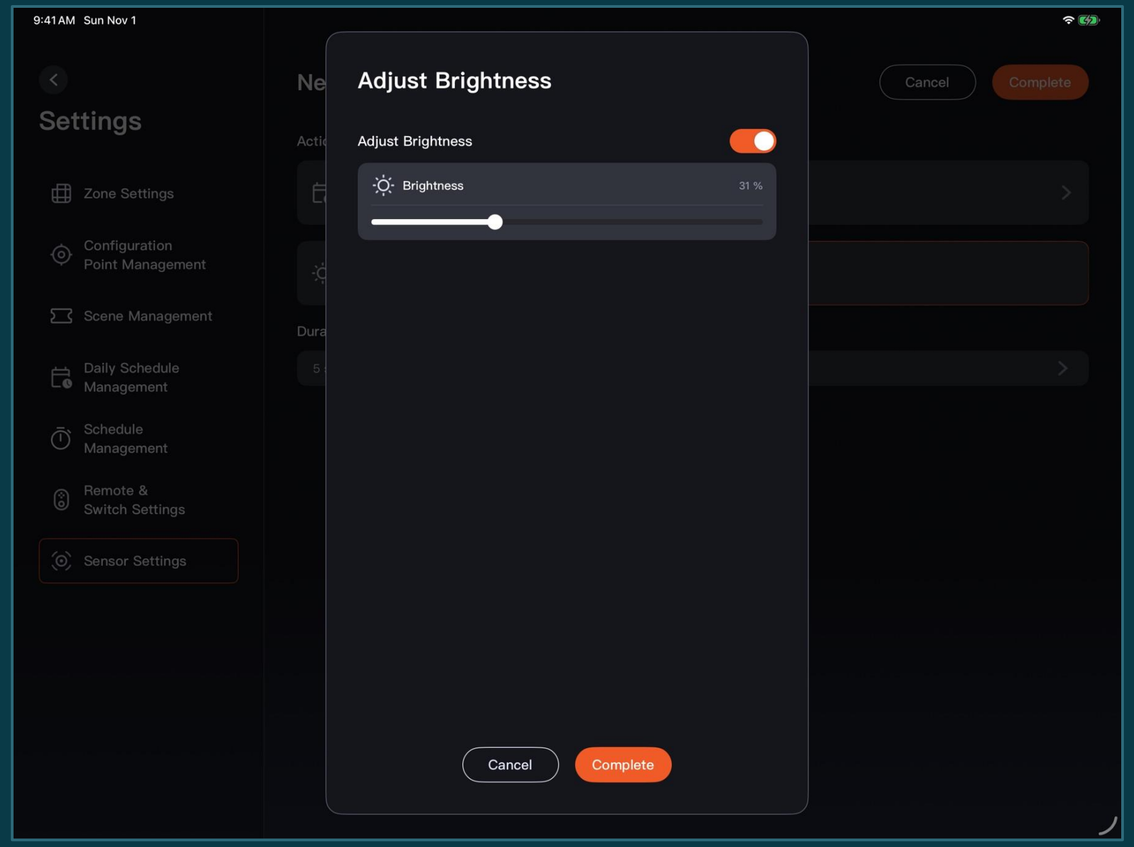
BLTC NETWORK CORP

Motion Actions

Path: Sensor Settings › Motion Action Settings



7 Tap Complete, tap Duration, and set it to 5 minutes

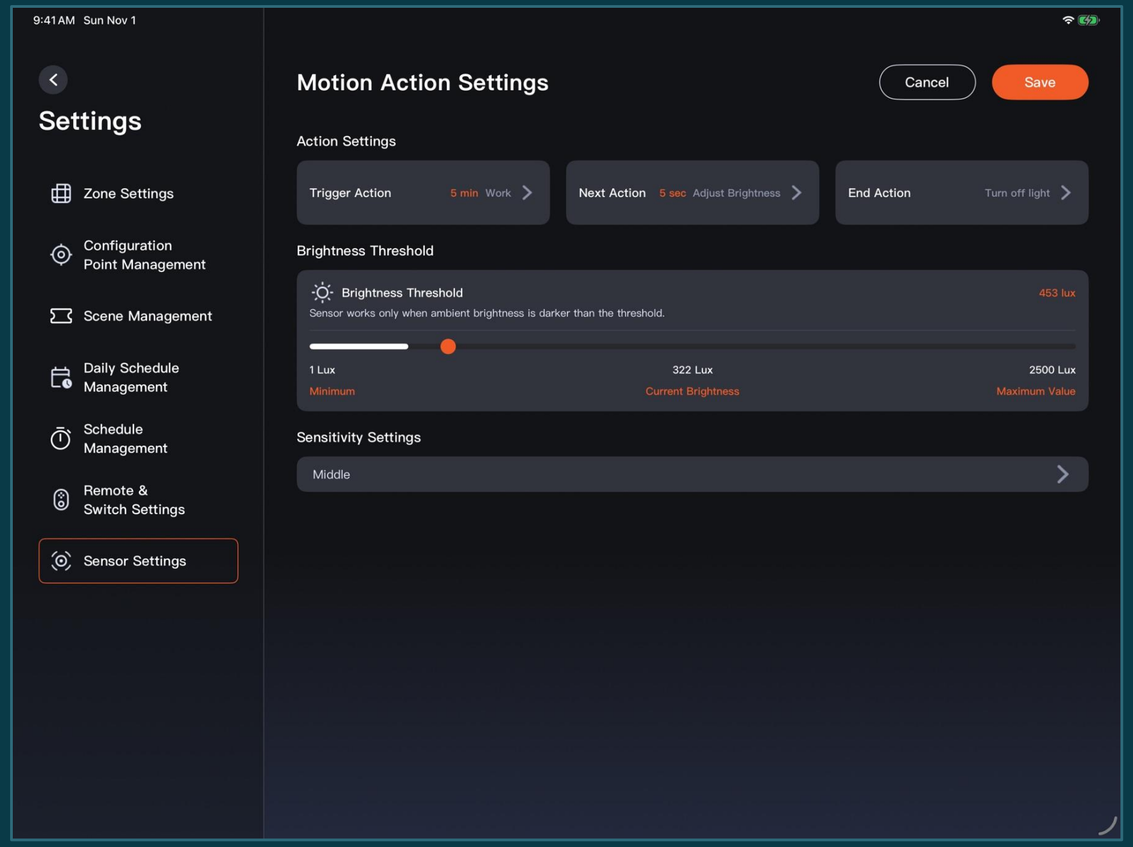


8 Tap Next Action, turn on Adjust Brightness, and set brightness to 31%

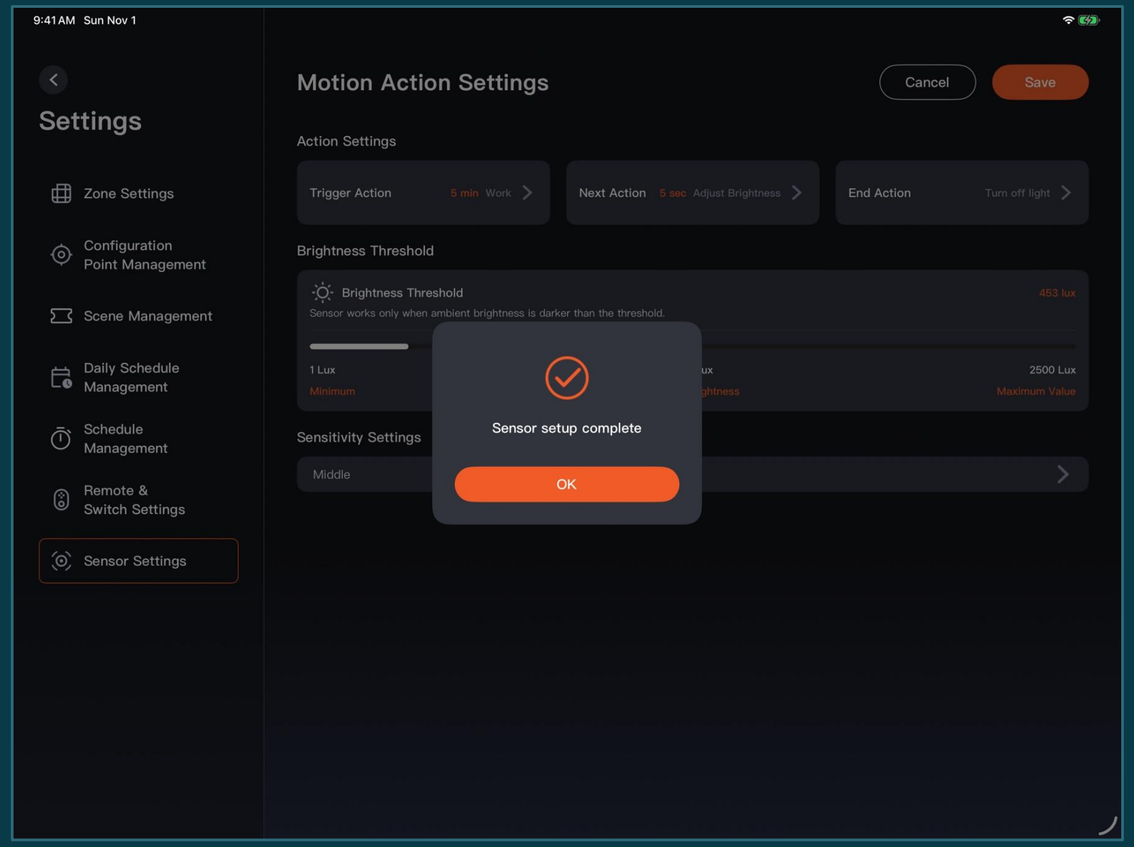
BLTC NETWORK CORP

Motion Actions

Path: Sensor Settings › Motion Action Settings



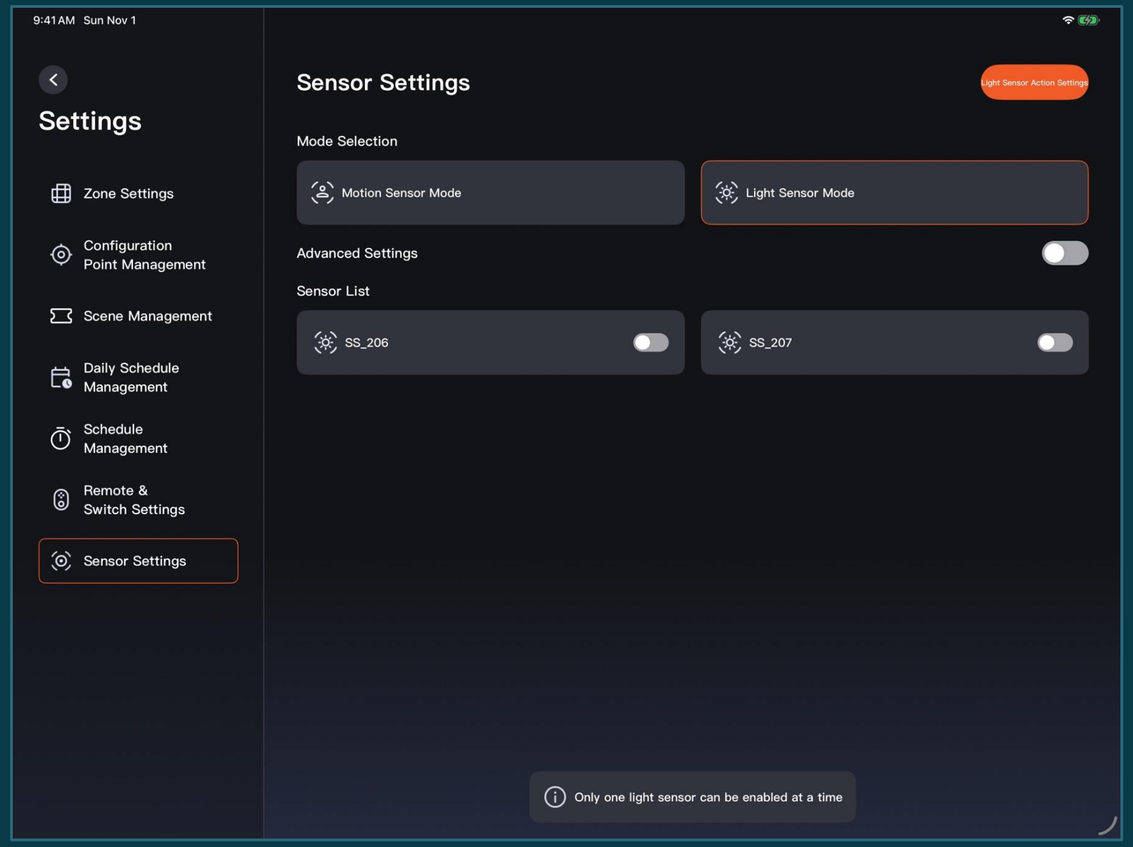
9 Set End Action to Turn off light and Brightness Threshold to 453 lux



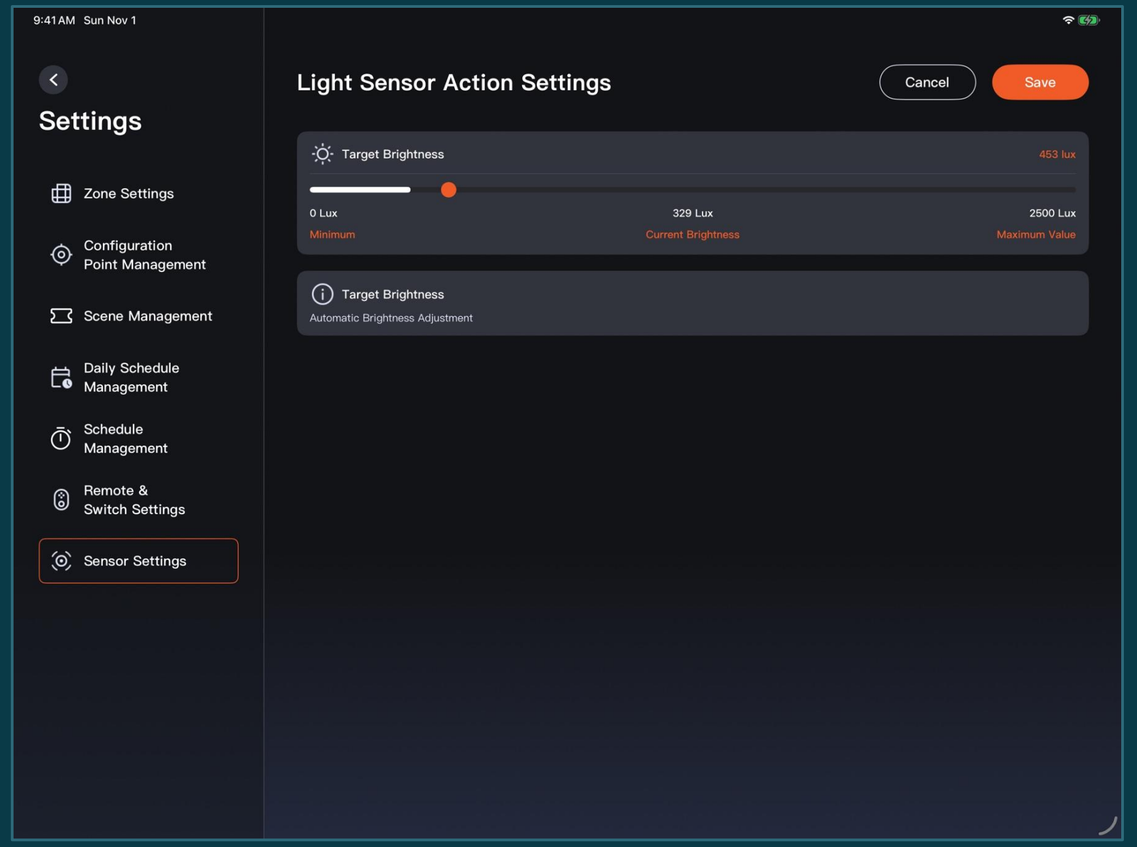
10 Tap Save

Light Sensor Mode

Path: Zone page › gear icon (top right) › Sensor Settings



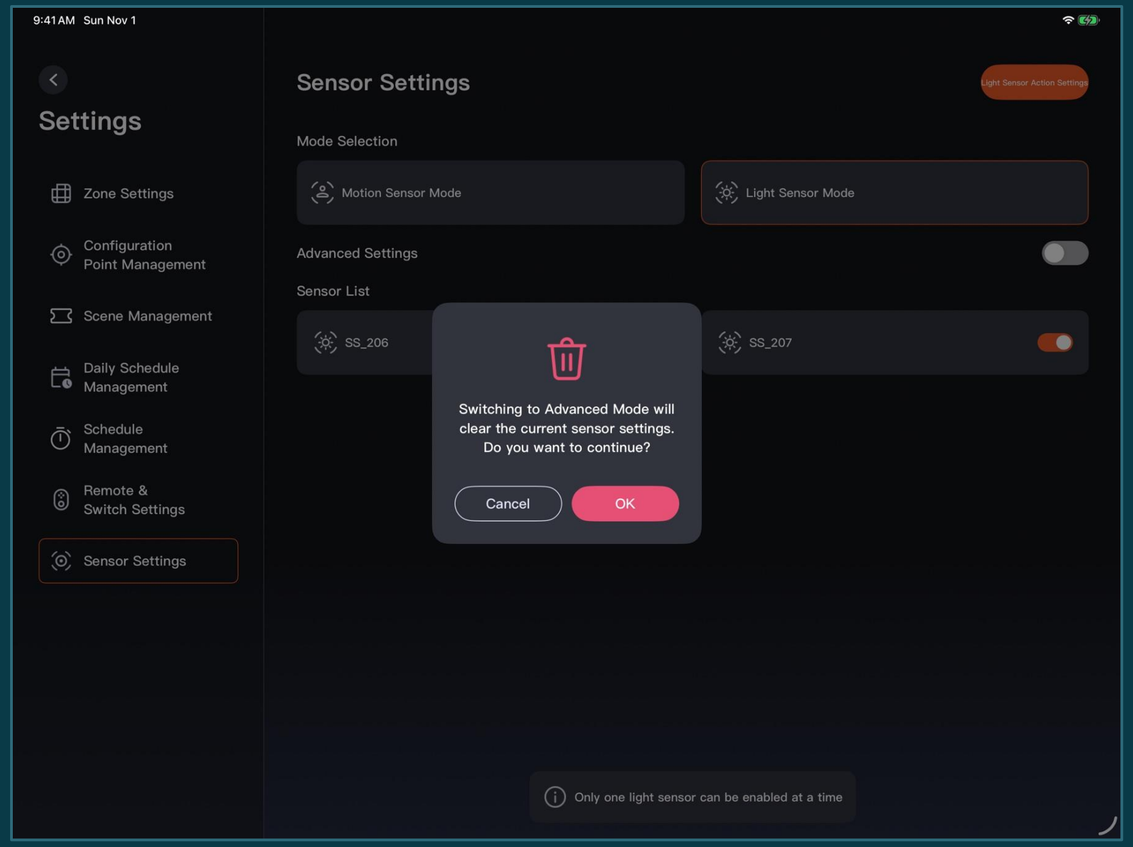
11 Tap OK, then tap Light Sensor Mode. Only one light sensor can be enabled at a time



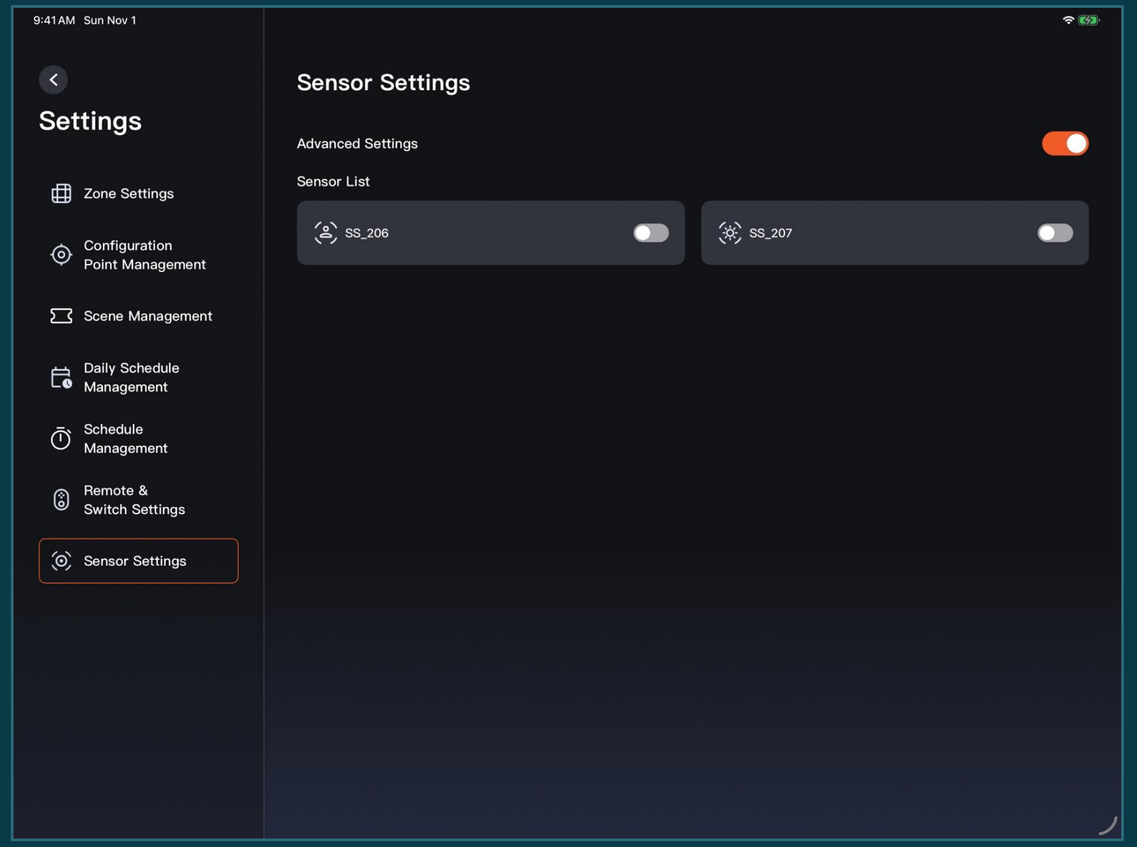
12 Turn on SS_207, tap Light Sensor Action Settings, and set the Target Brightness

Advanced Settings

Path: Zone page › gear icon (top right) › Sensor Settings › Advanced Settings



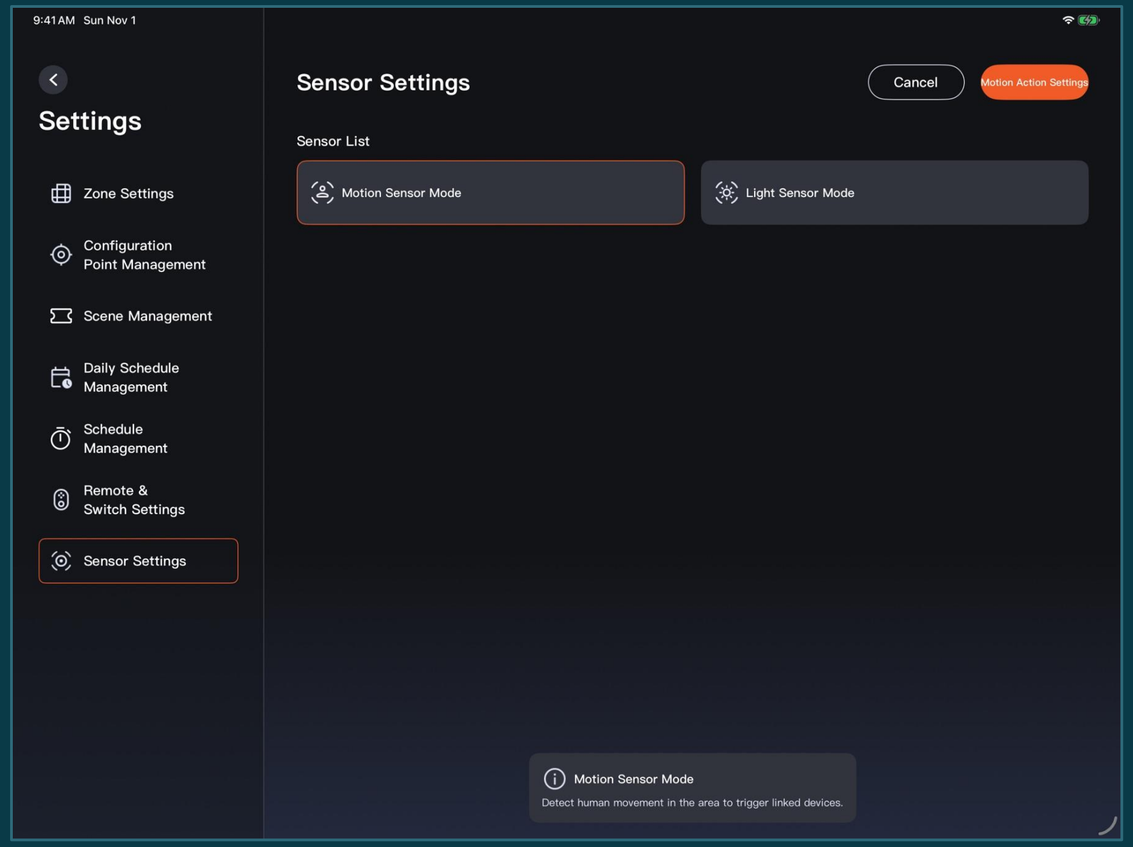
13 Turn on Advanced Settings. A warning says the current sensor settings will be cleared



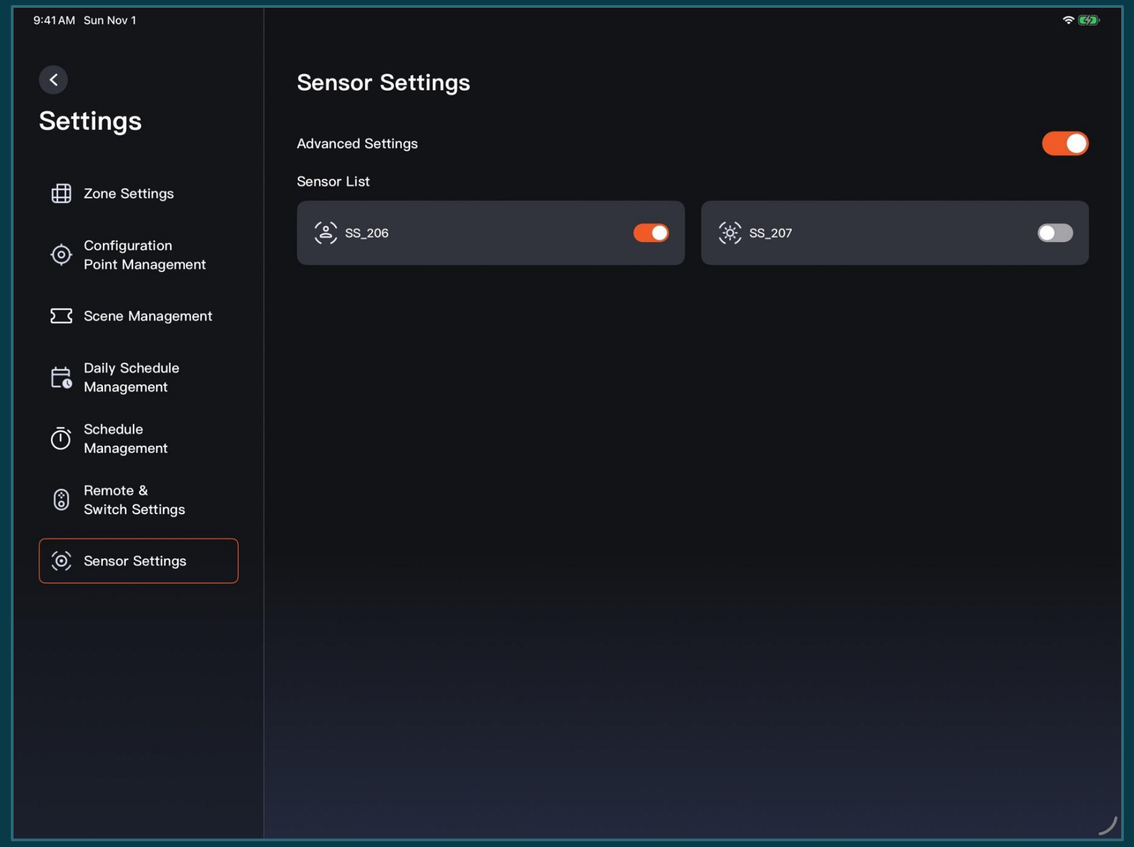
14 Tap OK. In advanced mode, each sensor has its own settings

Advanced Settings

Path: Zone page › gear icon (top right) › Sensor Settings › Advanced Settings



15 Tap the SS_206 card and choose Motion Sensor Mode for this sensor



16 Tap OK. SS_206 is now enabled in motion mode

8

Remotes & Switches

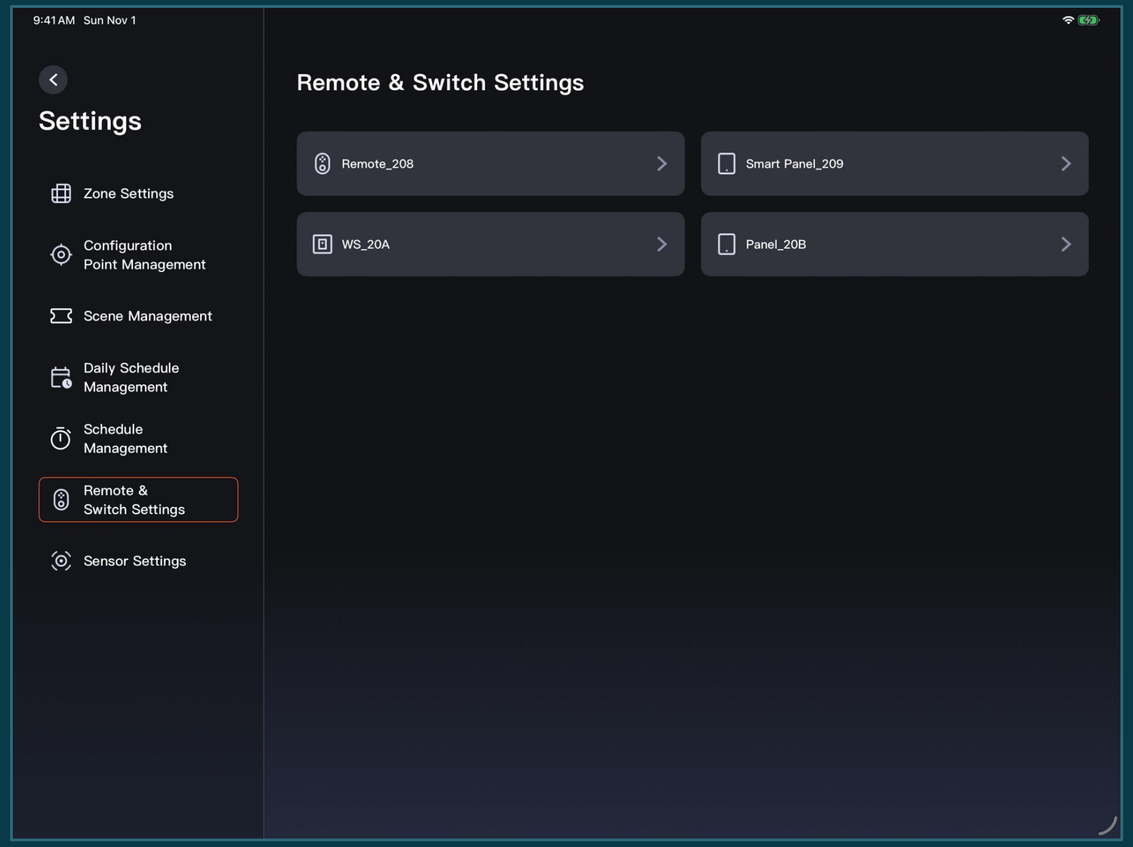
Supported types: 19-key remotes, panel remotes, wall switches, and smart switches.

Each button can run a daily schedule, a zone scene, a map scene, or turn lights on or off.

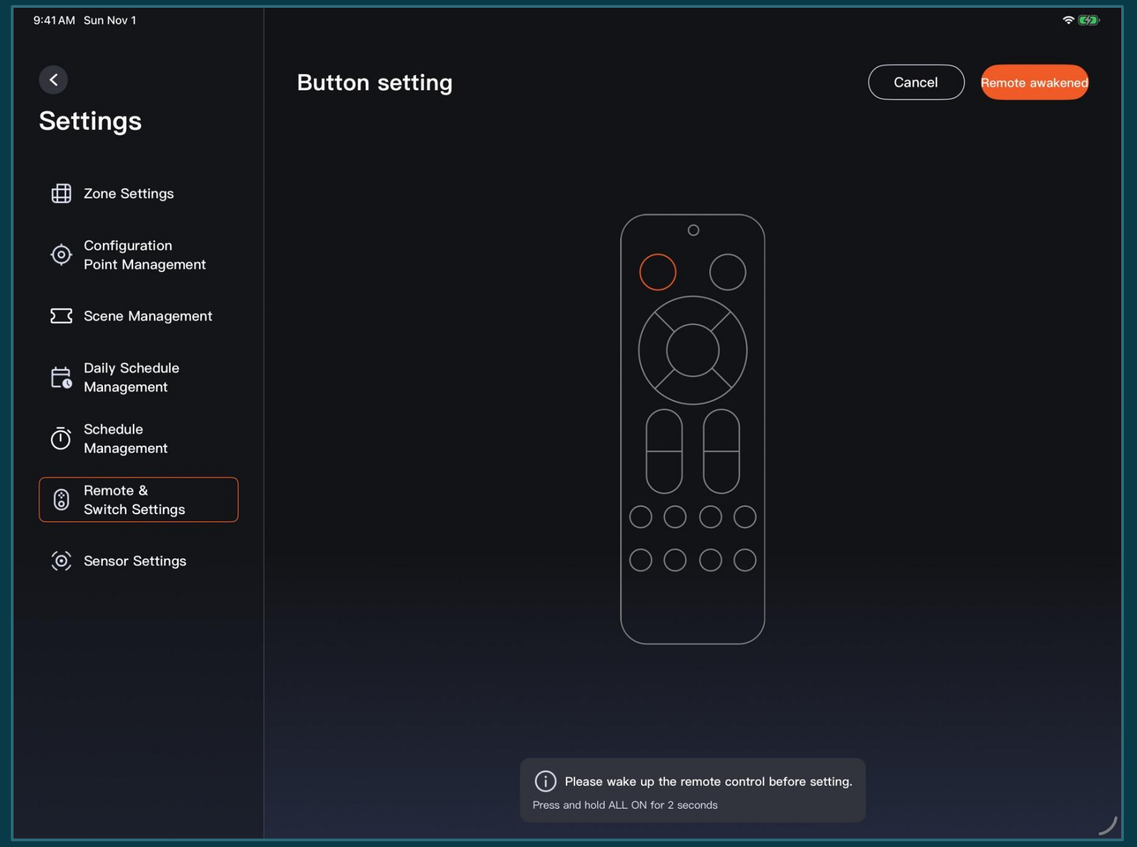
Wake up the remote as shown on screen before changing its settings.

19-Key Remote

Path: Zone page › gear icon (top right) › Remote & Switch Settings



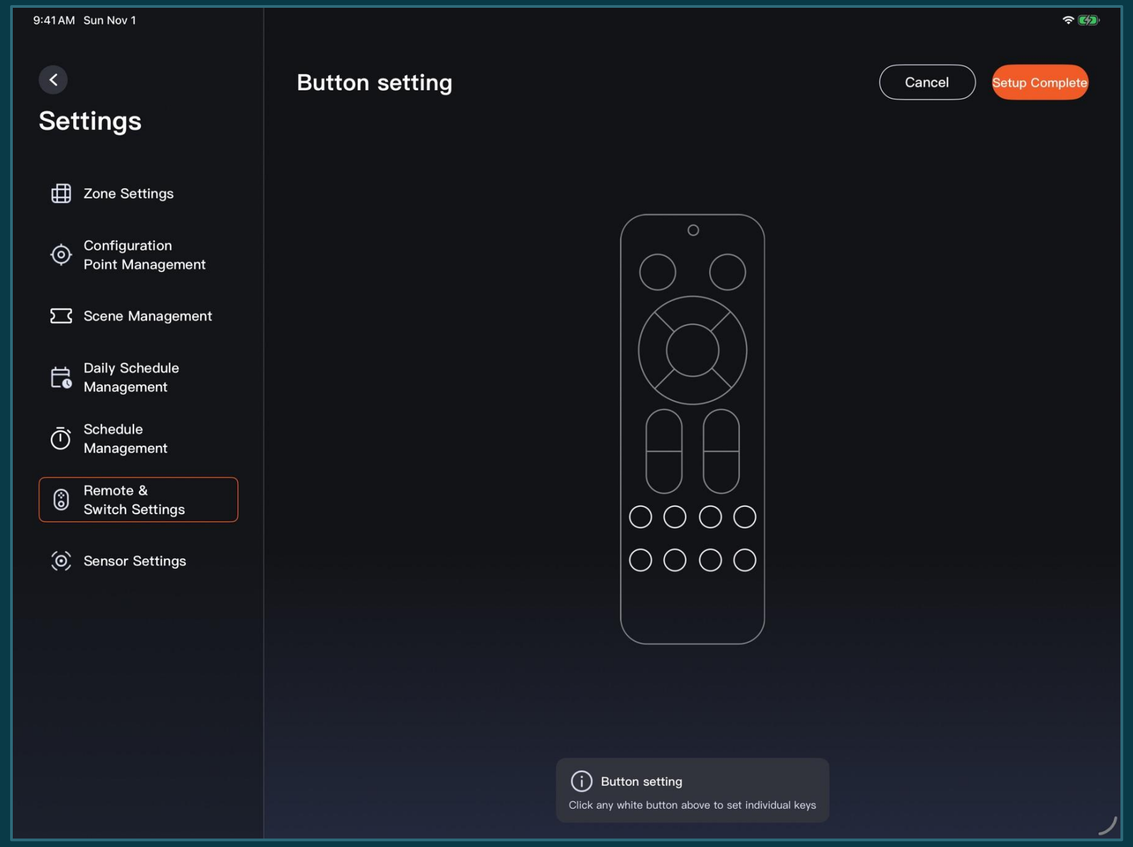
1 Tap Remote & Switch Settings in the Zone Settings menu



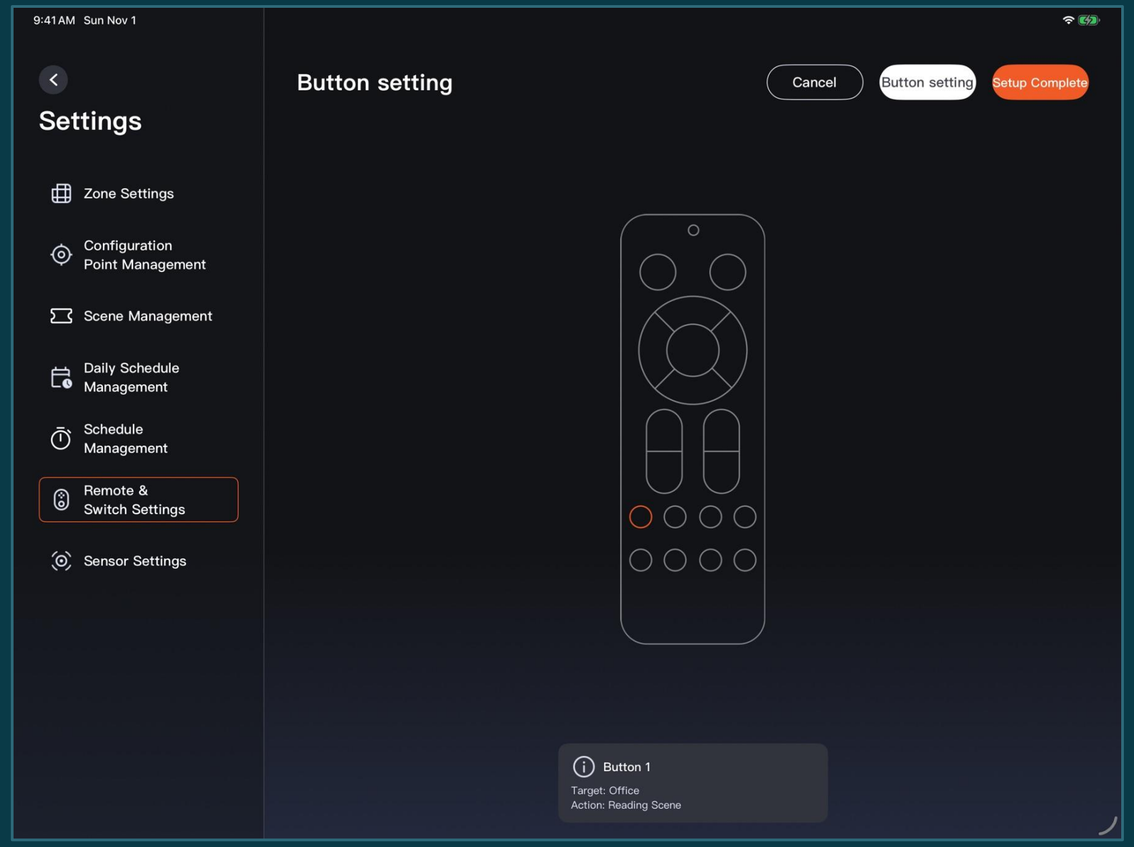
2 Tap Remote_208. Hold ALL ON on the remote for 2 seconds to wake it up

19-Key Remote

Path: Zone page › gear icon (top right) › Remote & Switch Settings



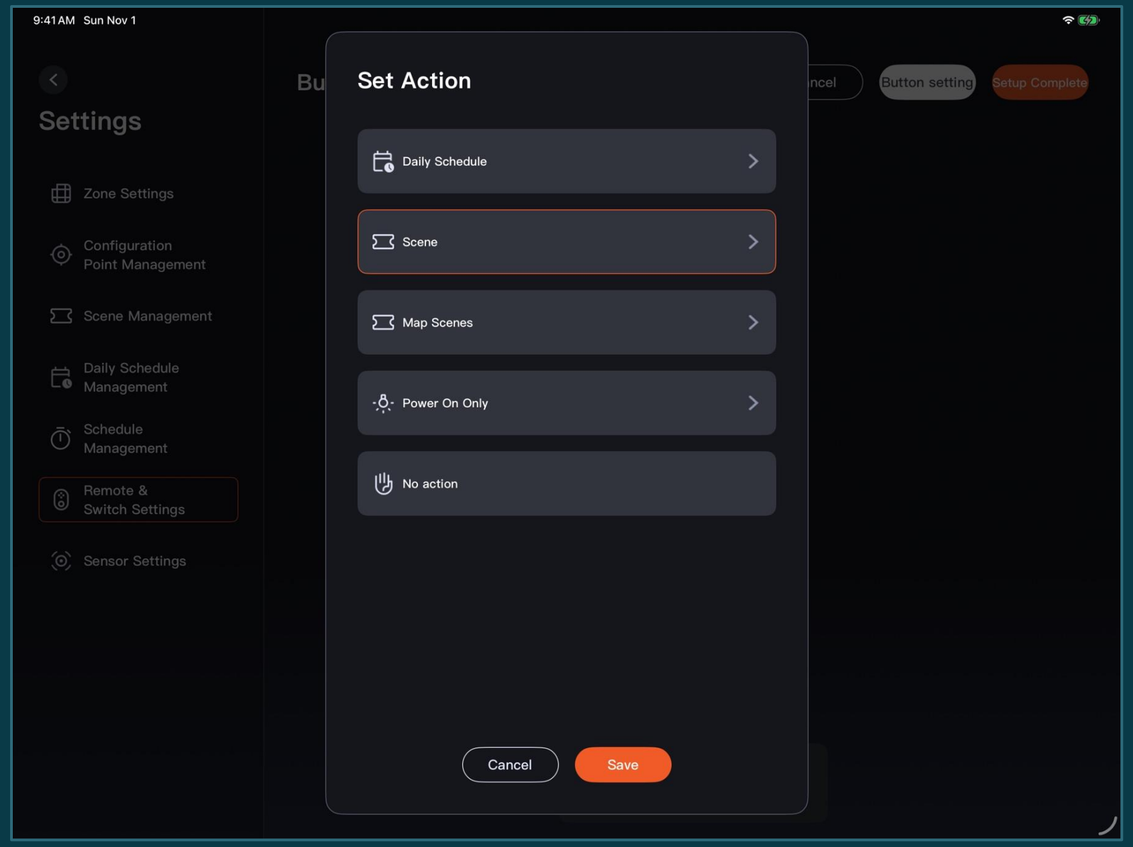
3 Tap Remote awakened. The app reads back the current button settings



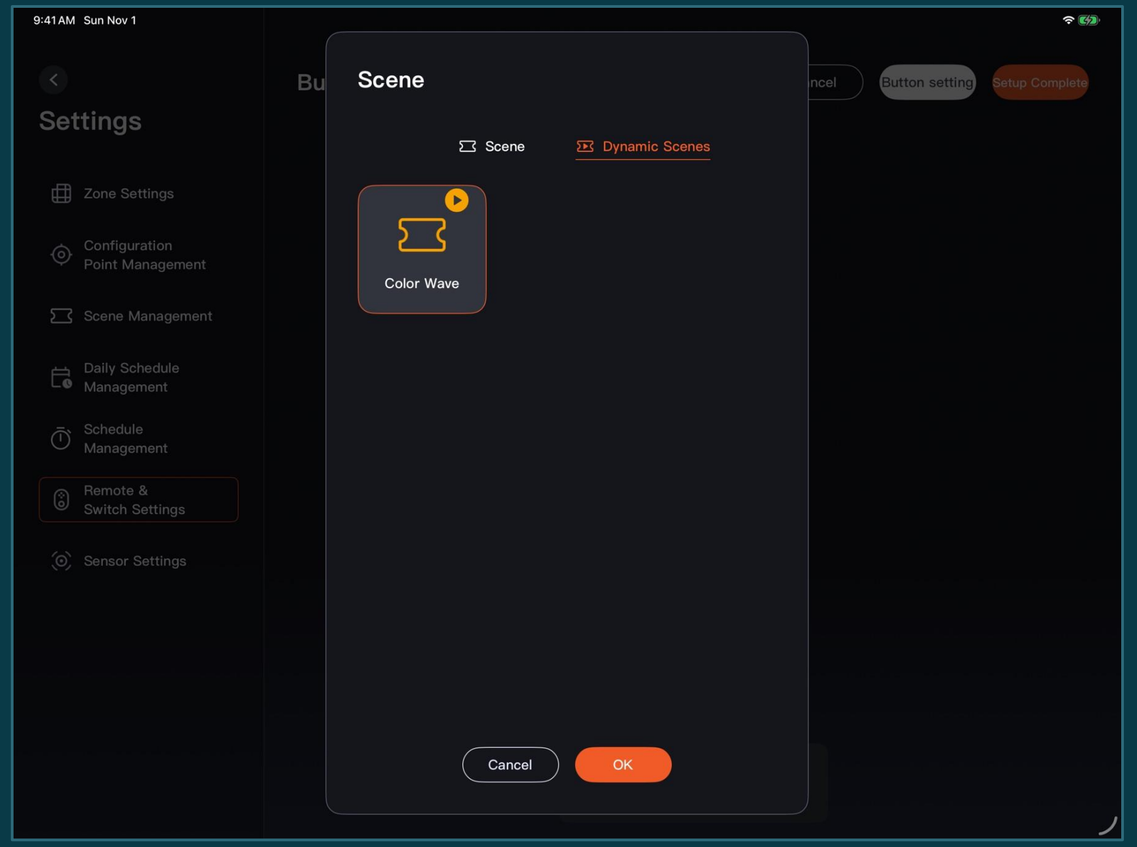
4 Tap a button to see its current target and action

19-Key Remote

Path: Zone page › gear icon (top right) › Remote & Switch Settings



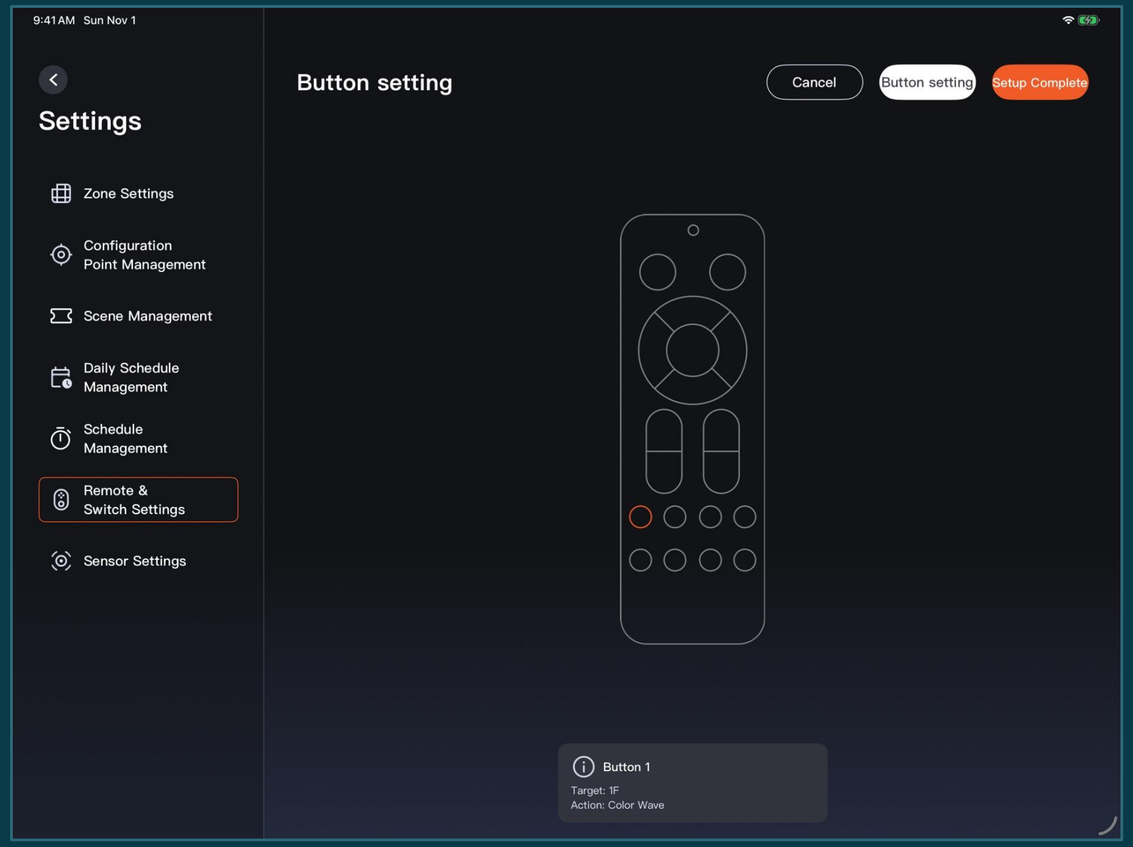
5 Tap Button setting to choose an action



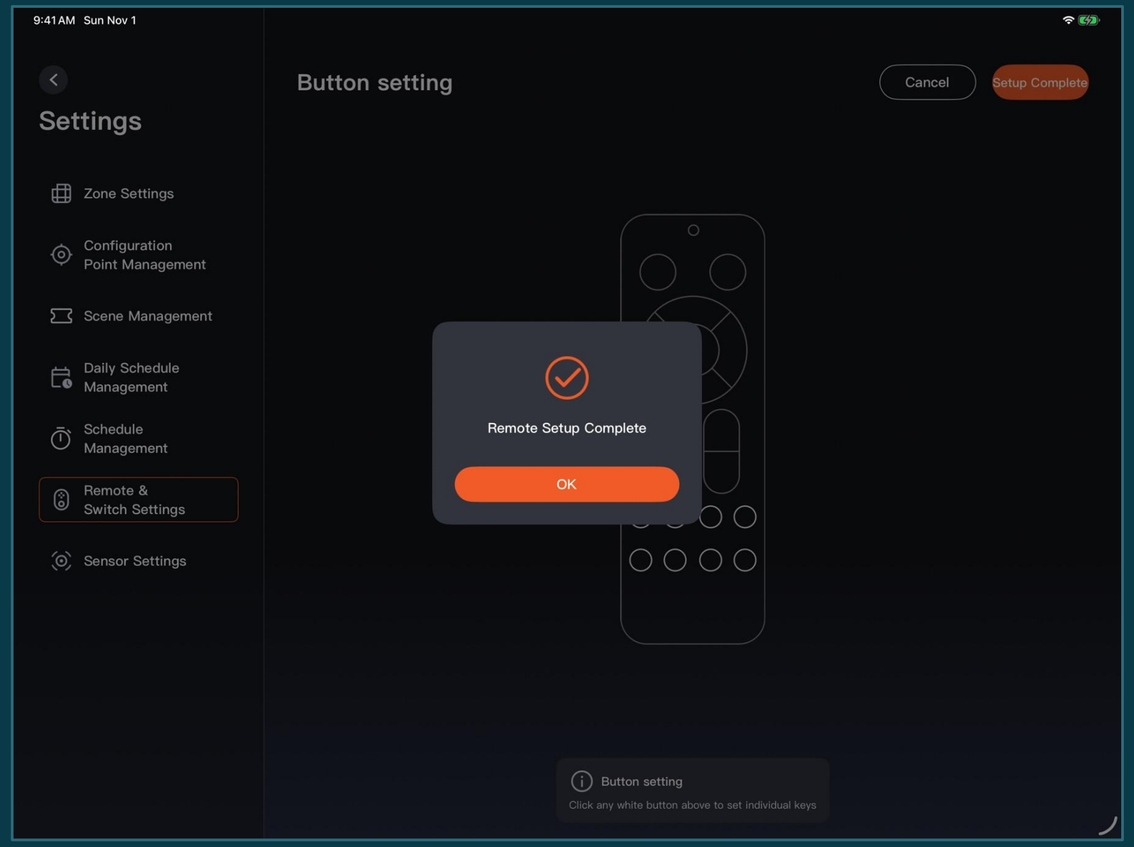
6 Tap Map Scenes, switch to Dynamic Scenes, and choose Color Wave

19-Key Remote

Path: Zone page › gear icon (top right) › Remote & Switch Settings



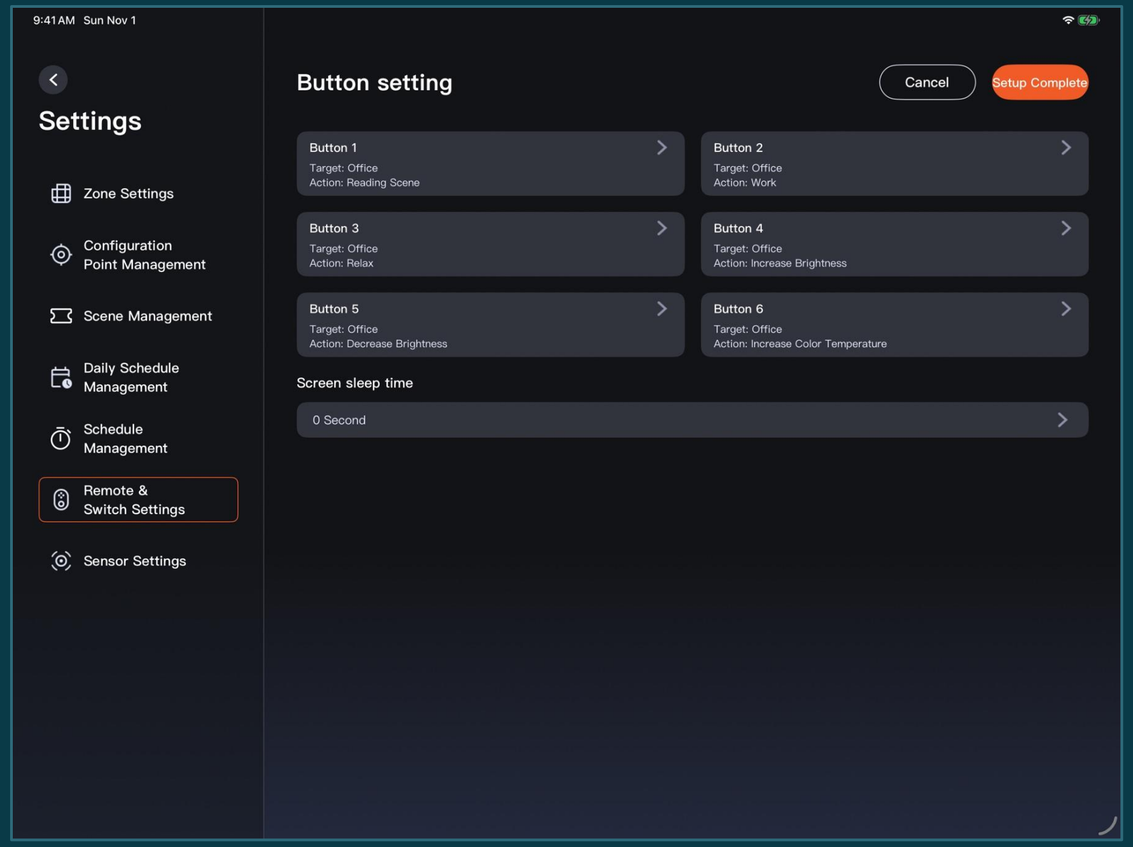
7 Tap OK and Save. Button 1 now runs Color Wave on 1F



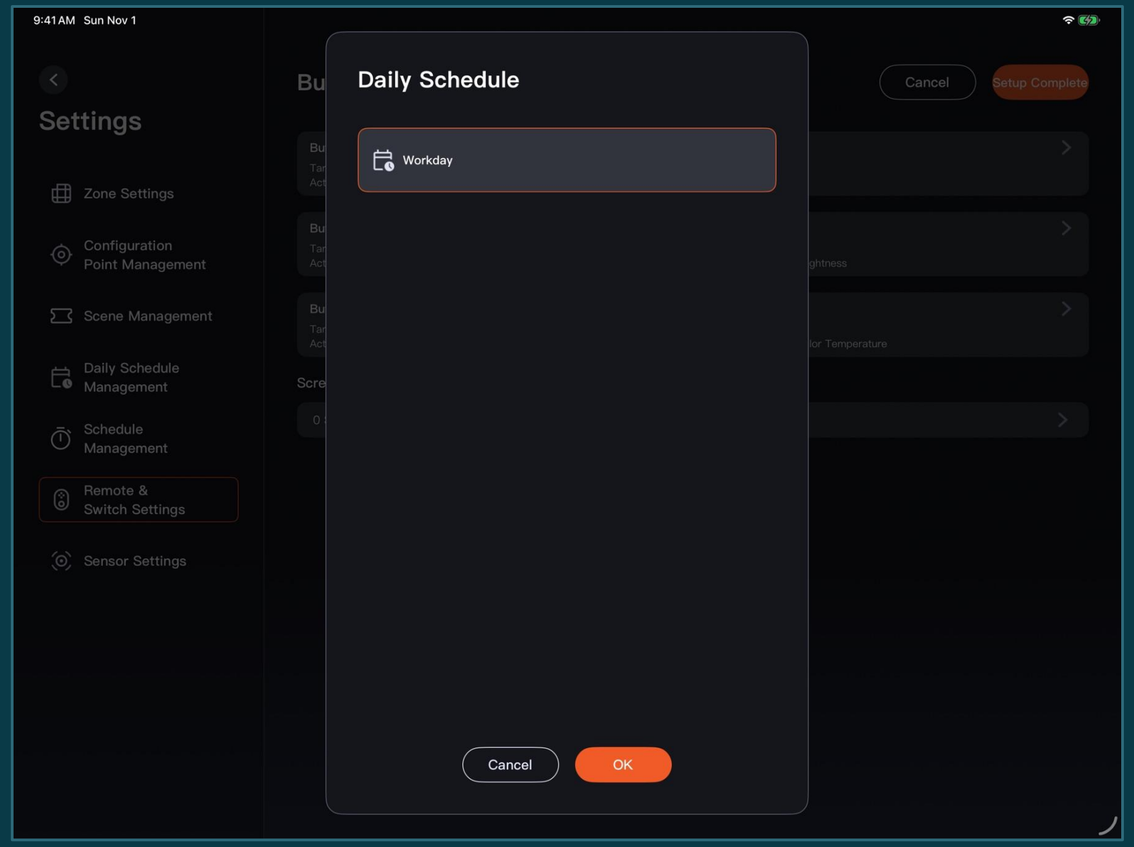
8 Tap Setup Complete to write the settings to the remote

Panel Remote

Path: Zone page › gear icon (top right) › Remote & Switch Settings



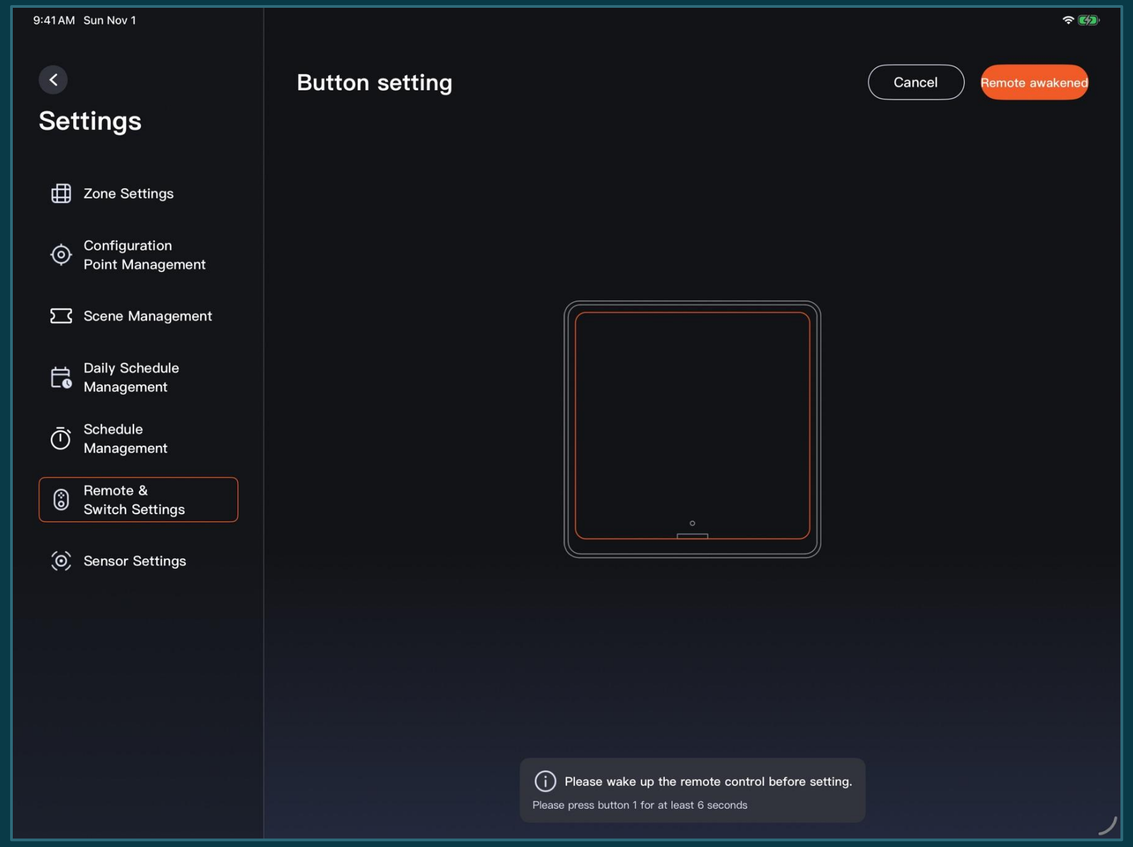
9 Tap Smart Panel_209. Each of the 6 buttons shows its target and action



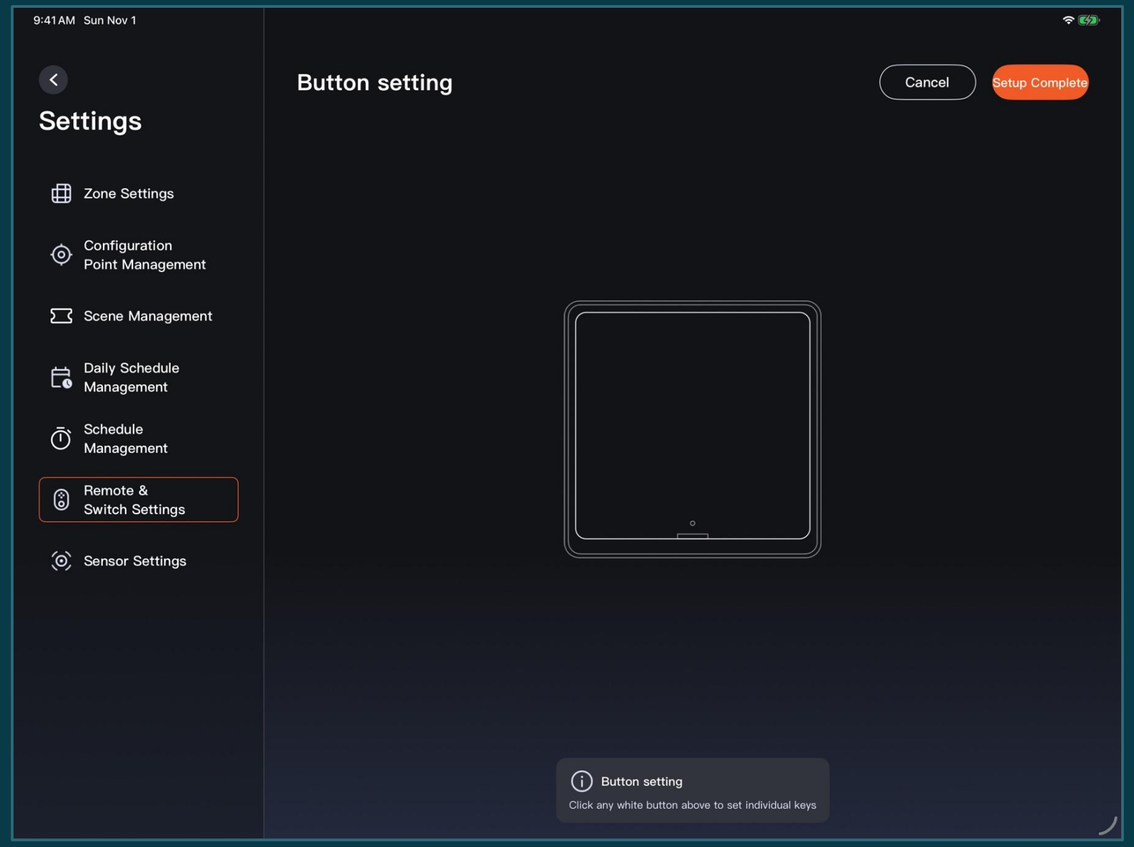
10 Tap Button 1 > Daily Schedule and choose Workday

Wall Switch

Path: Zone page › gear icon (top right) › Remote & Switch Settings



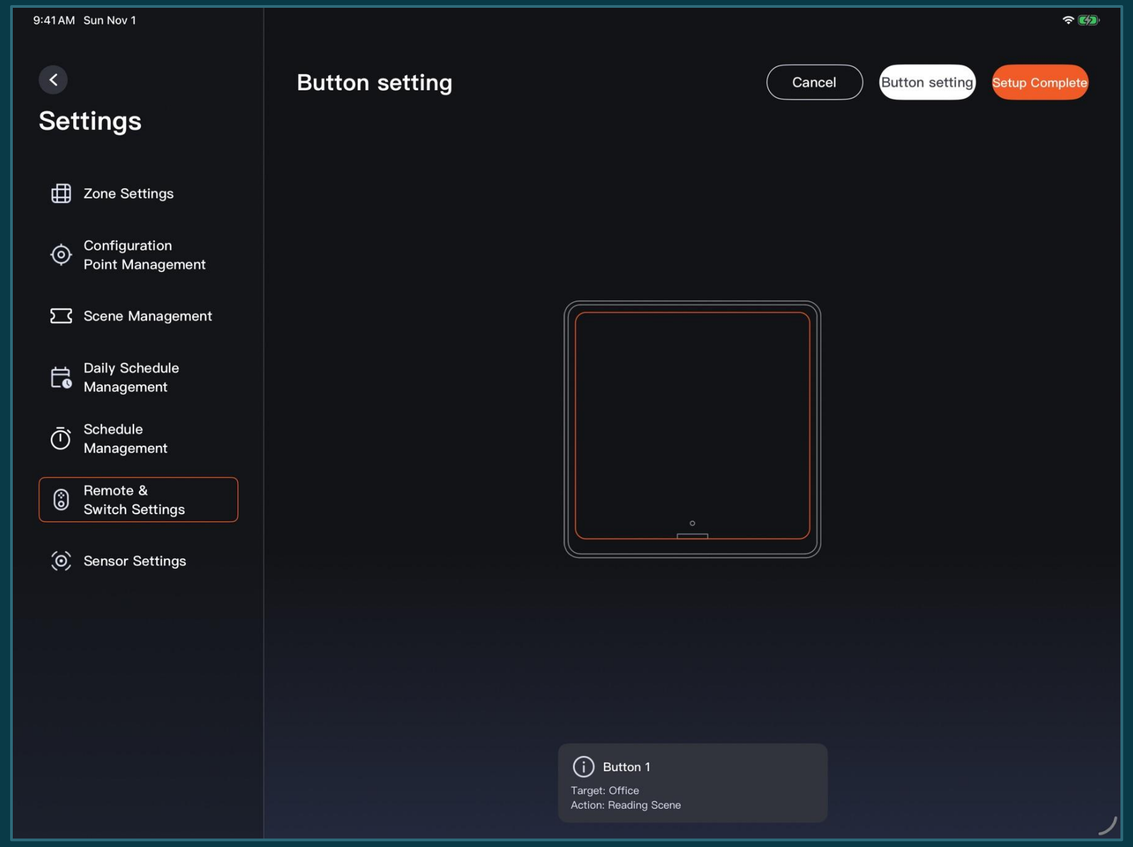
11 Tap WS_20A. Hold button 1 on the switch for at least 6 seconds to wake it up



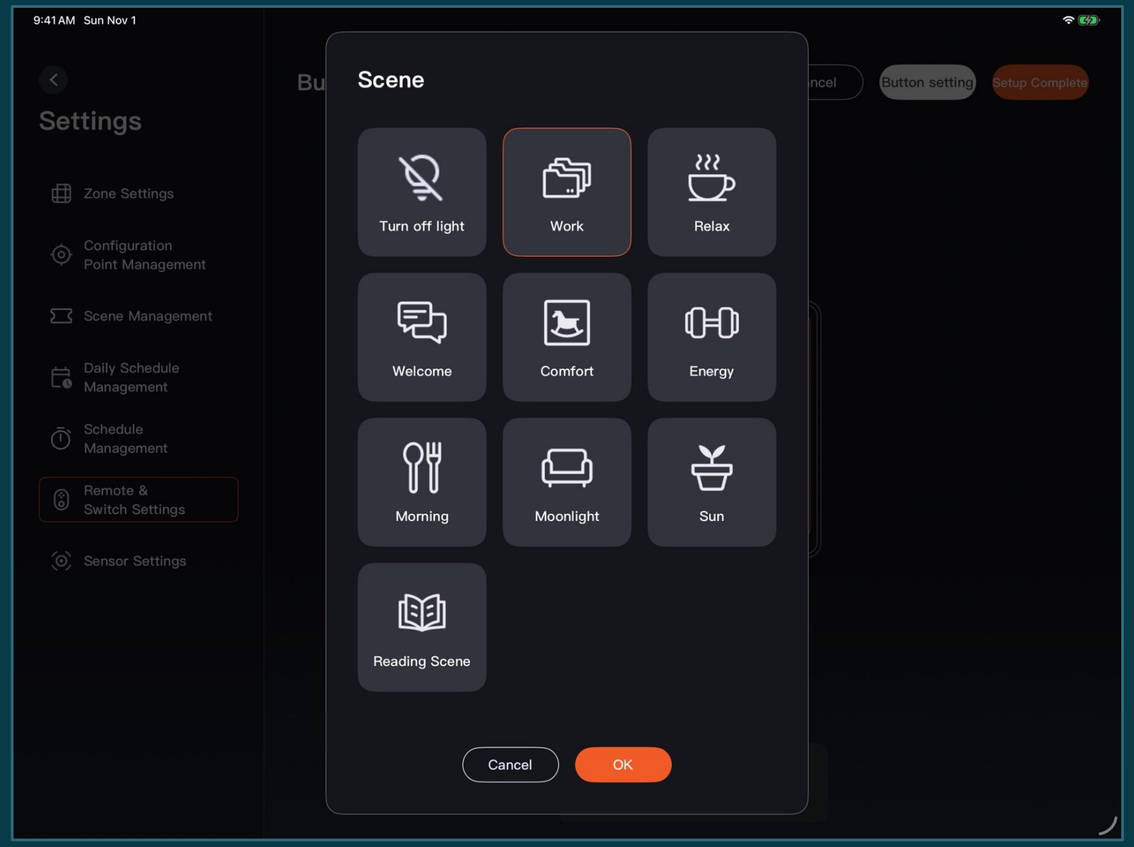
12 Tap Remote awakened

Wall Switch

Path: Zone page › gear icon (top right) › Remote & Switch Settings



13 Tap the switch to see the current button setting



14 Tap Button setting > Scene and choose Work, then tap OK, Save, and Setup Complete

9

Network Management

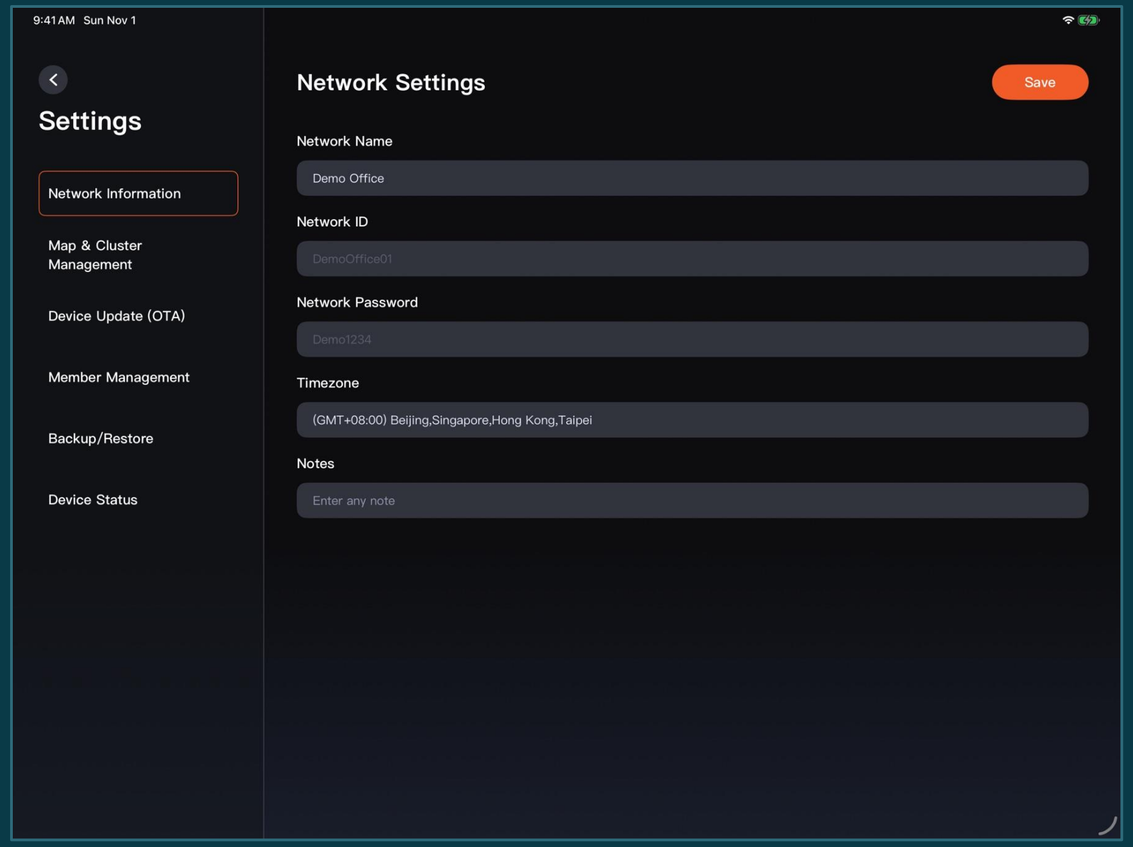
Open Network Settings from the gear icon on the network home page.

Update device firmware, invite members, back up and restore, and check device status.

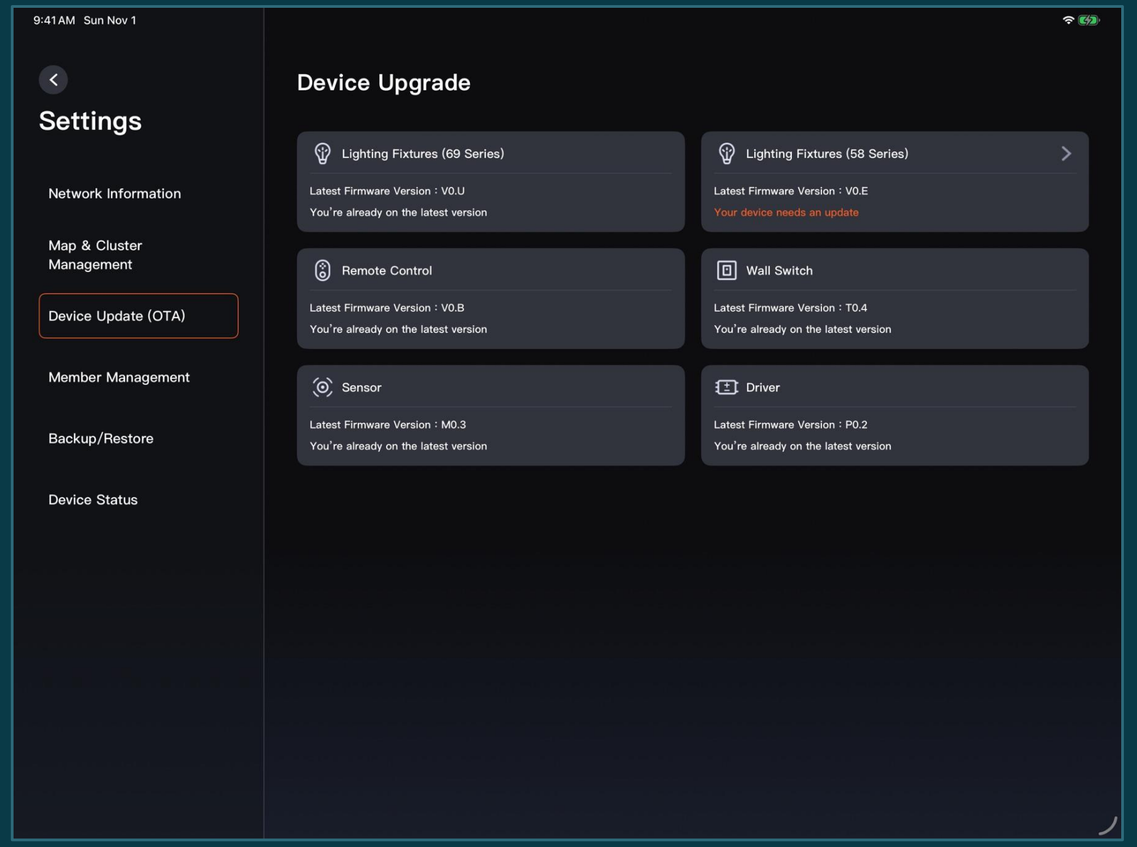
Permissions: the Owner can set up and delete the network, an Administrator can change settings, and a User can only operate the lights.

Device Update (OTA)

Path: Network home page › gear icon (top right) › Device Update (OTA)



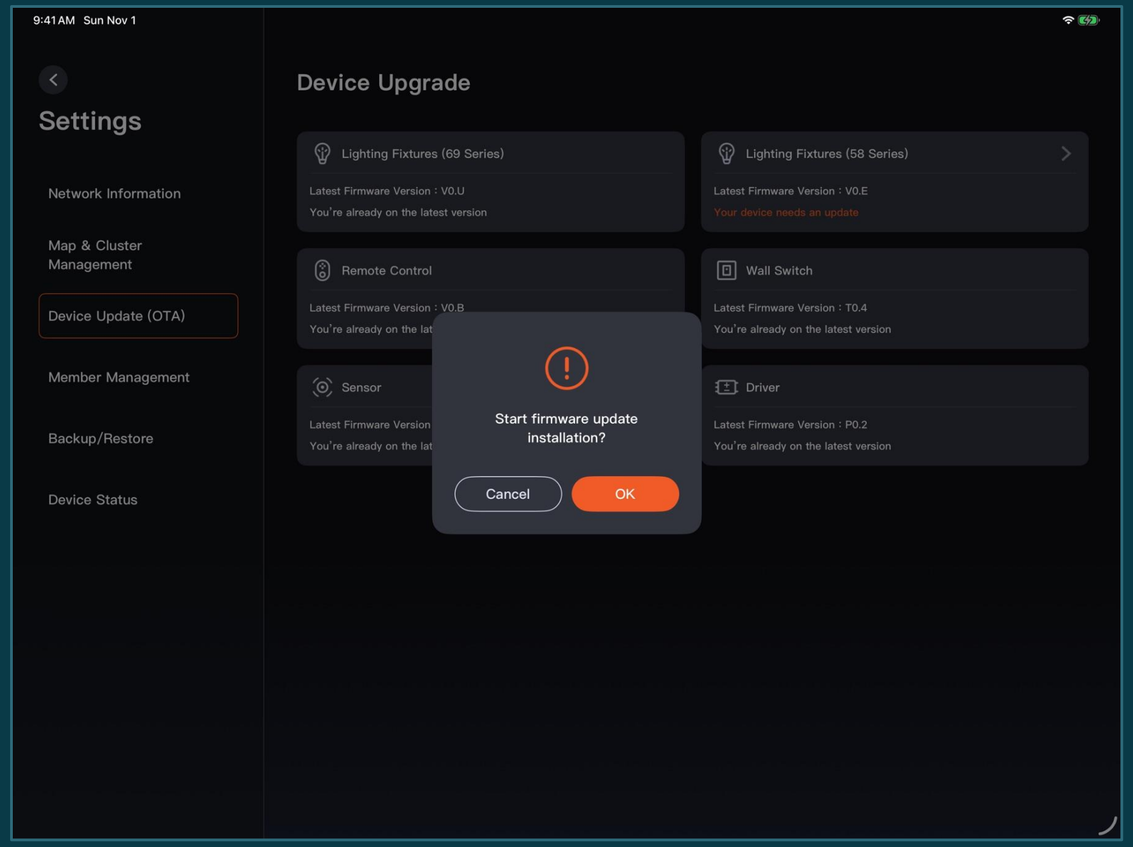
1 On the network home page, tap the gear icon at the top right



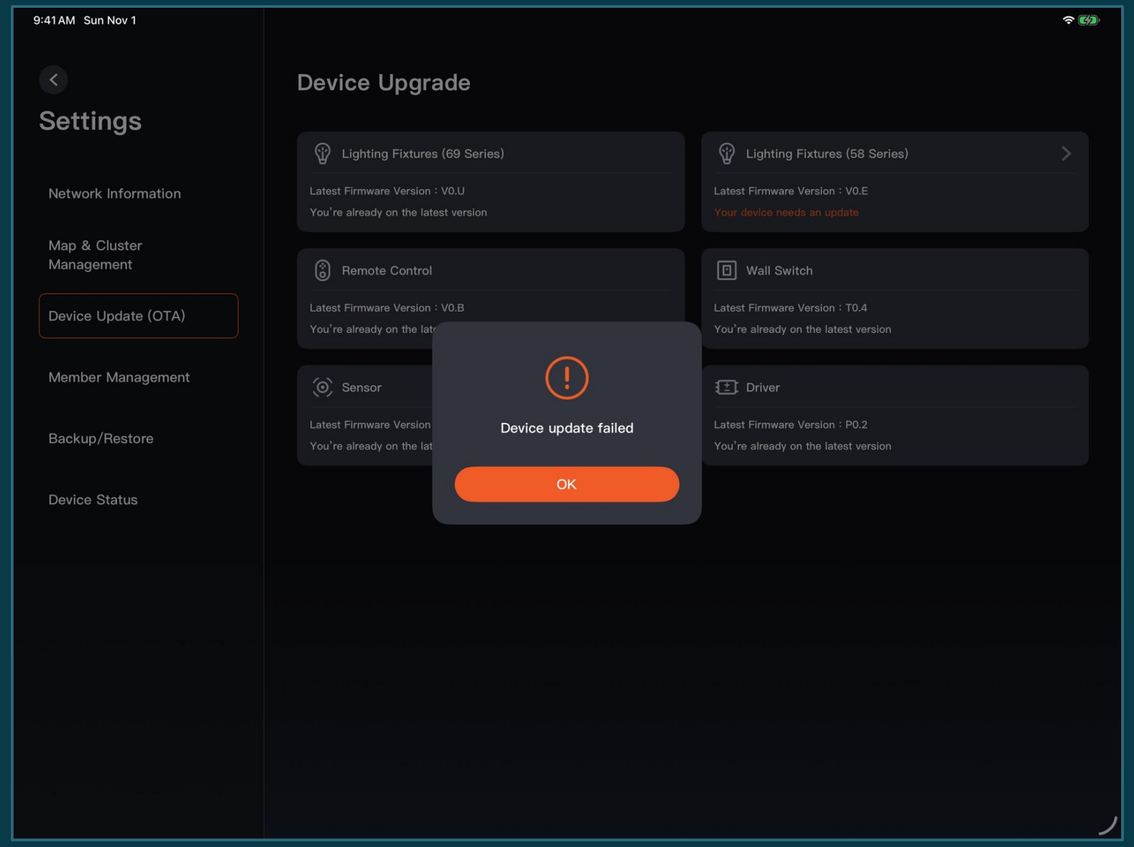
2 Tap Device Update (OTA). Devices are grouped by chip type

Device Update (OTA)

Path: Network home page › gear icon (top right) › Device Update (OTA)



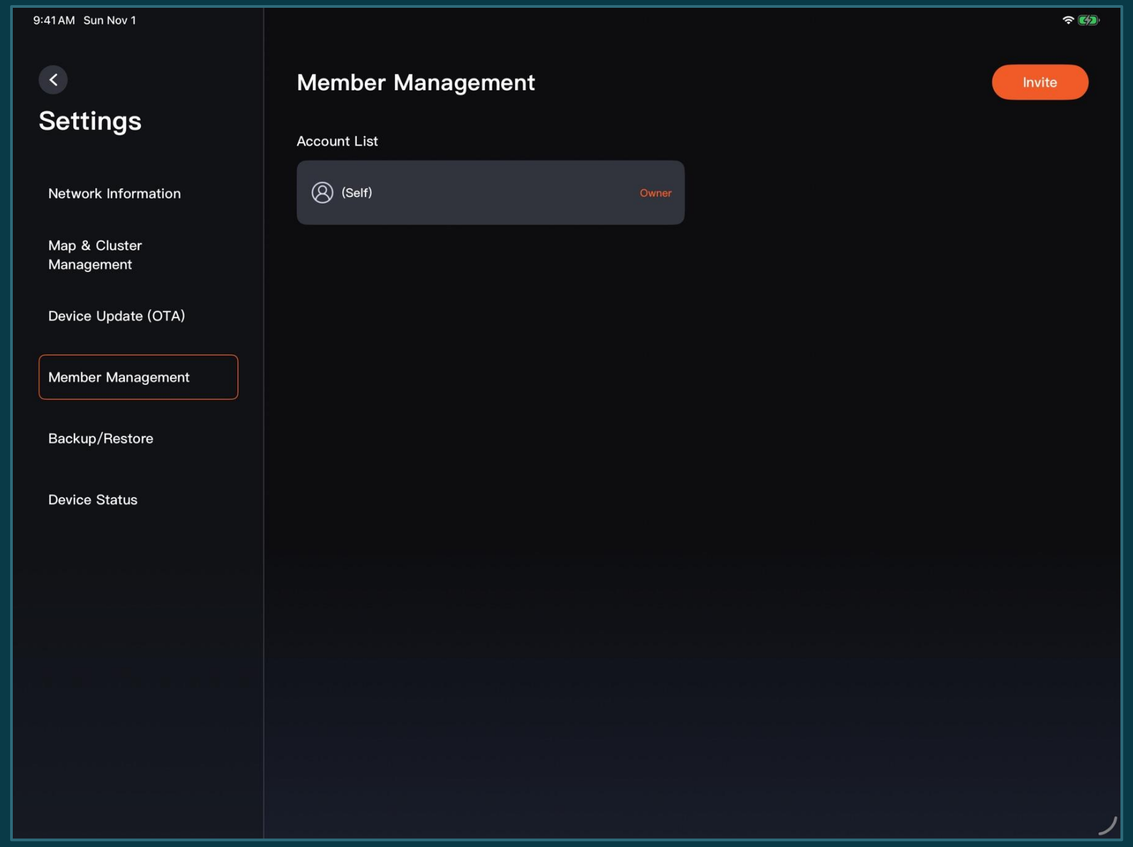
3 Tap Lighting Fixtures (58 Series) to start the update



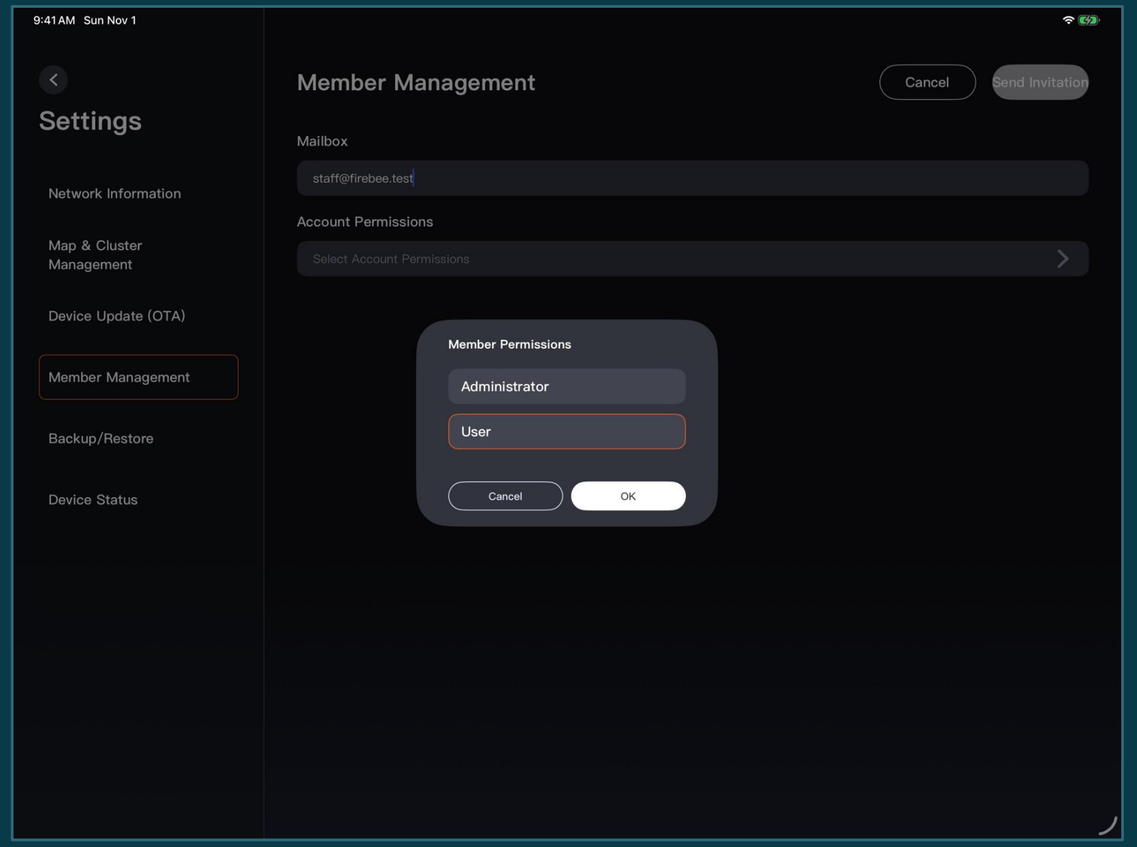
4 Tap OK. The update takes about 20 minutes. Keep the devices powered on

Member Management

Path: Network home page › gear icon (top right) › Member Management



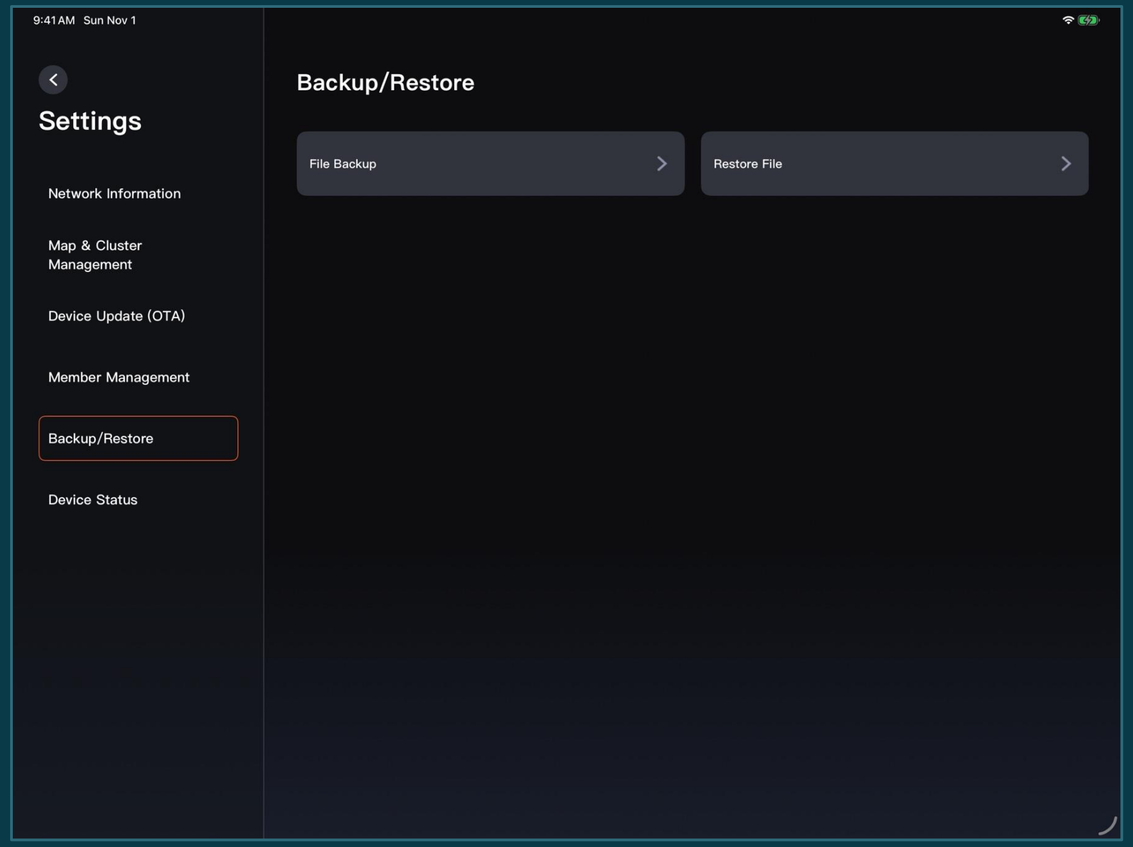
5 Tap Member Management



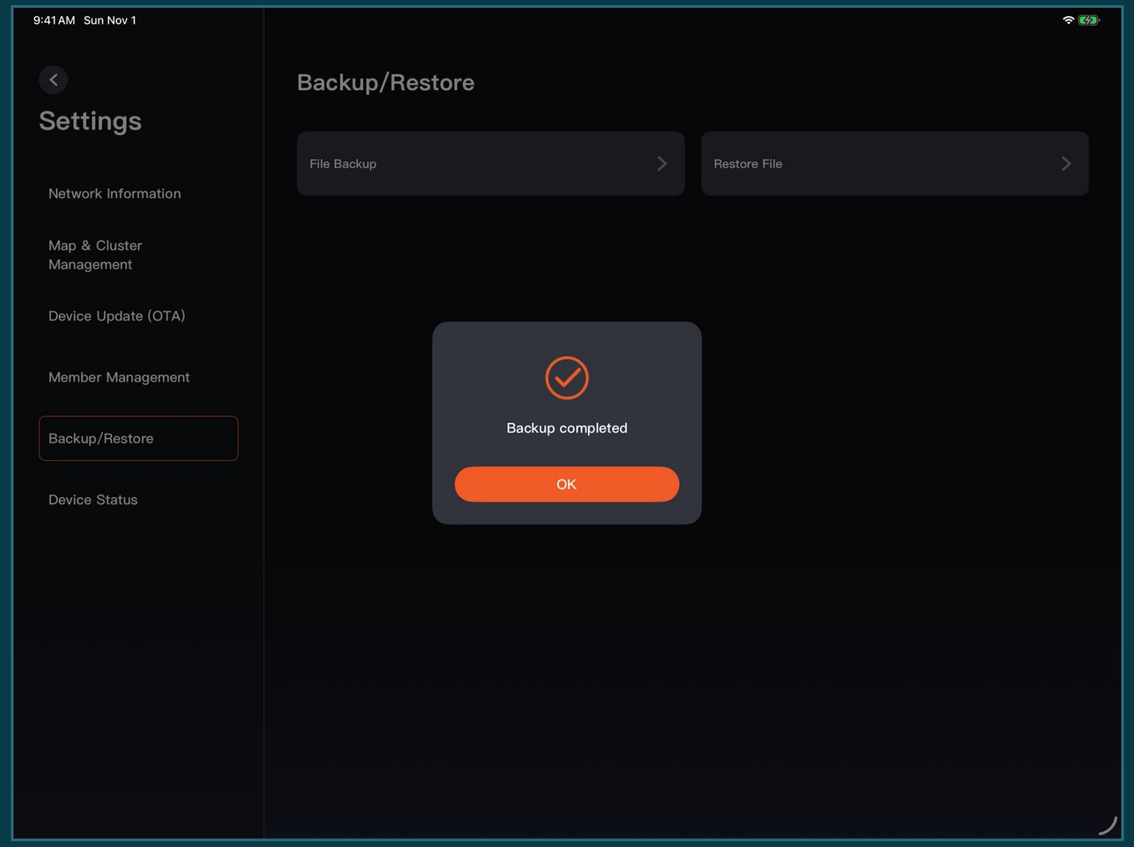
6 Tap Invite, enter the email, and choose Administrator or User, then tap Send Invitation

Backup, Restore, and Device Status

Path: Network home page › gear icon (top right) › Backup/Restore



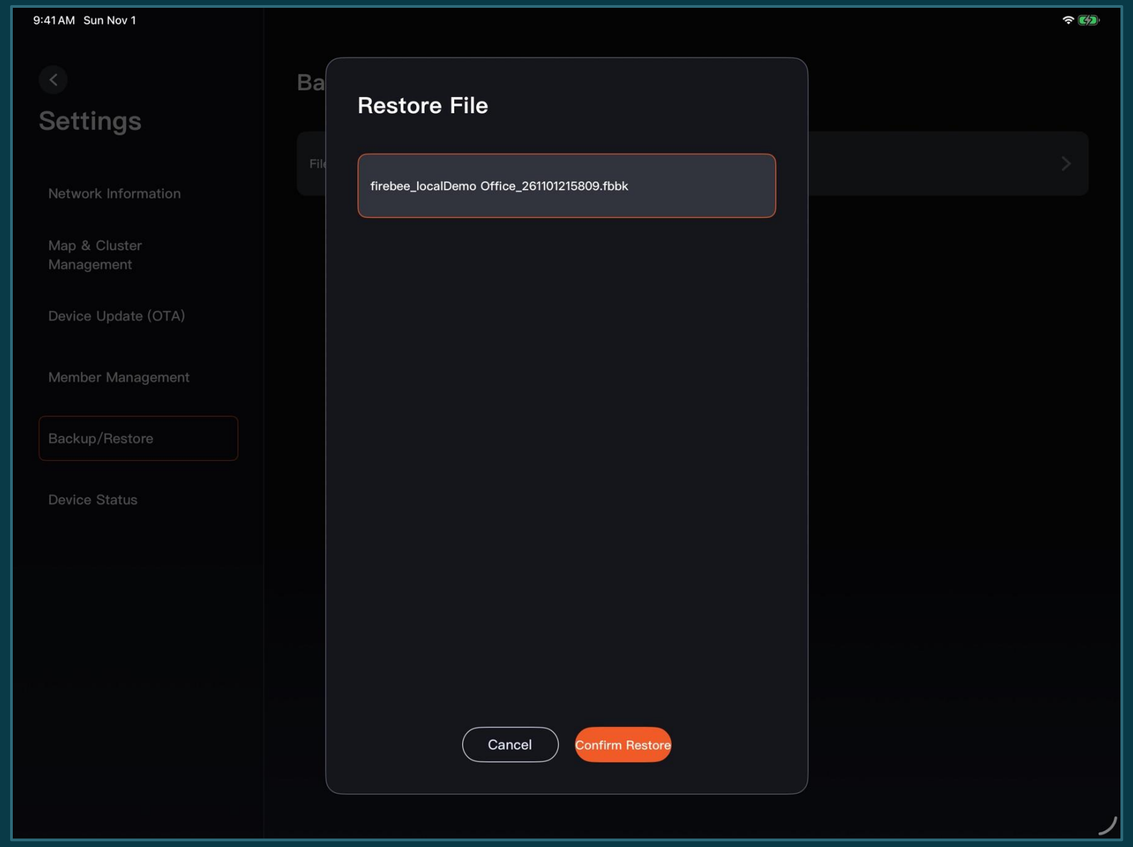
7 Tap Backup/Restore



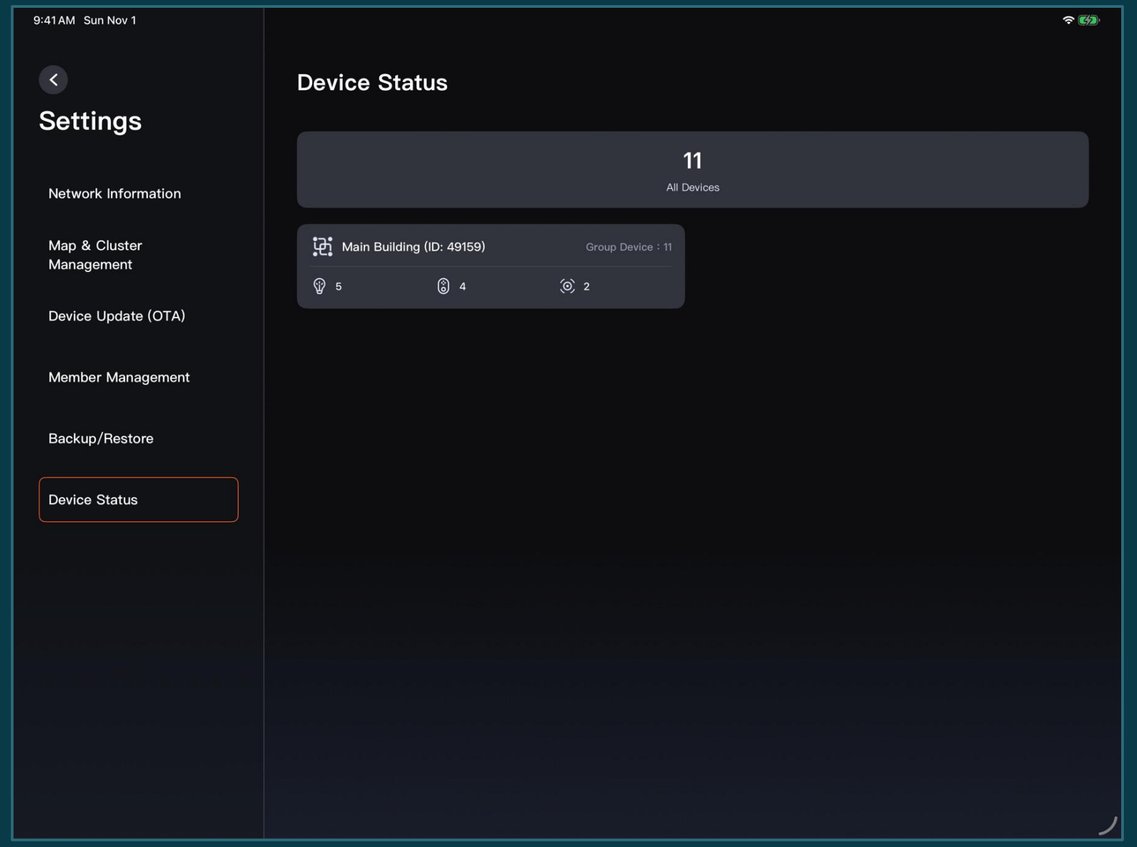
8 Tap File Backup

Backup, Restore, and Device Status

Path: Network home page › gear icon (top right) › Backup/Restore



9 Tap Restore File and choose a backup. Restoring replaces the current data



10 Tap Device Status to see the number of devices by type

10

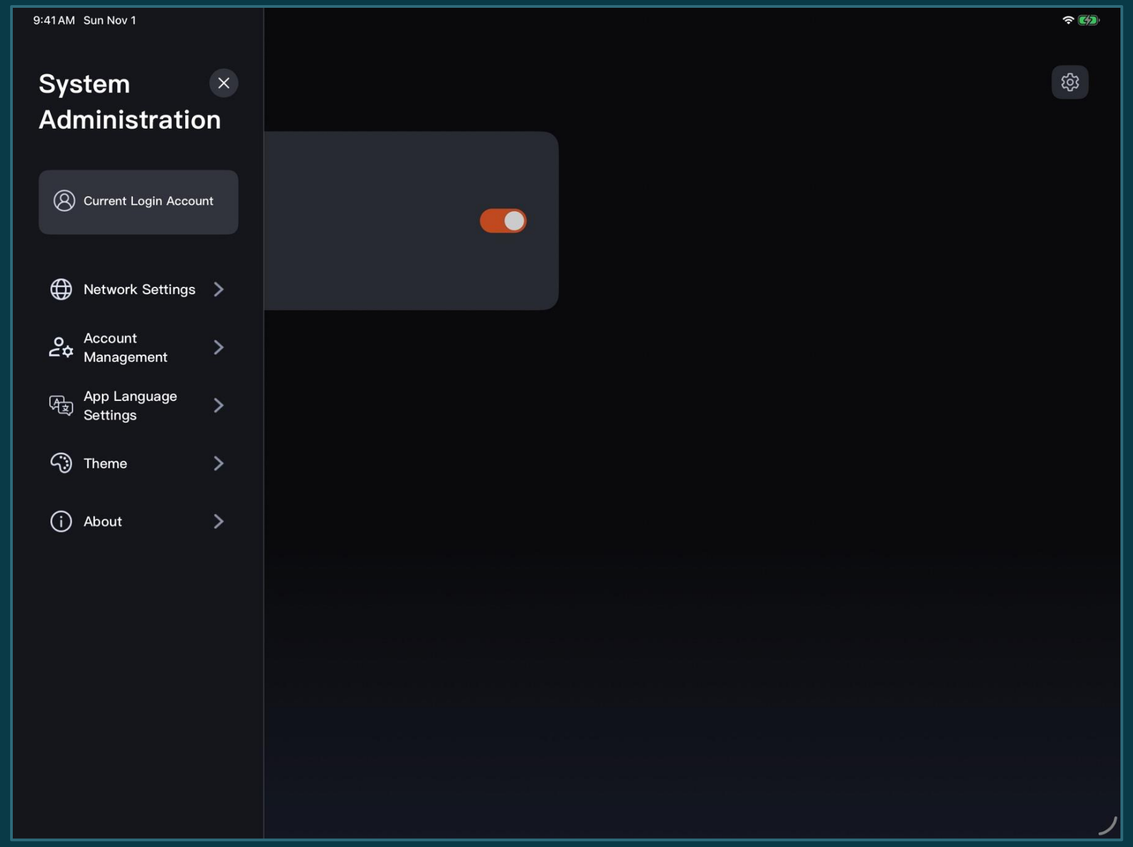
System Administration

Open it from the menu icon at the top left of the network home page.

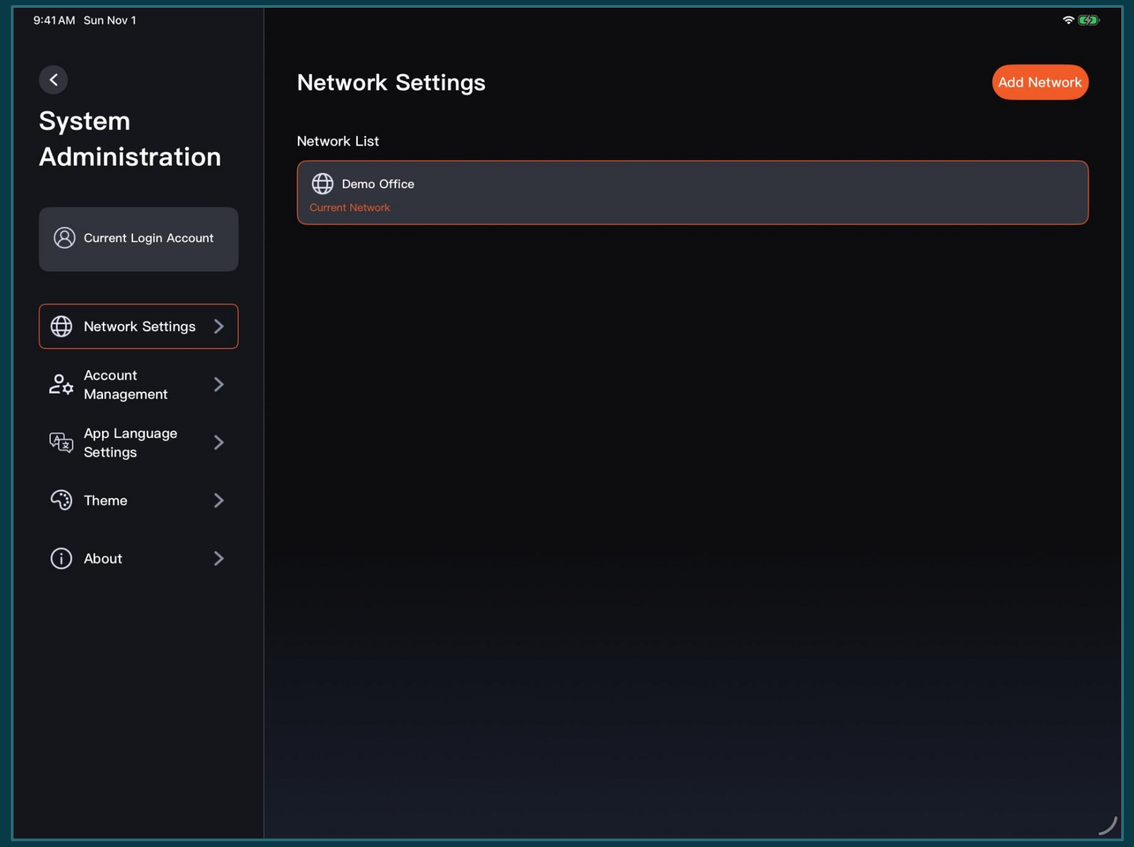
Switch networks, manage your account, set the app language and theme, and check the app version.

Switch Networks

Path: Network home page › menu icon (top left) › Network Settings



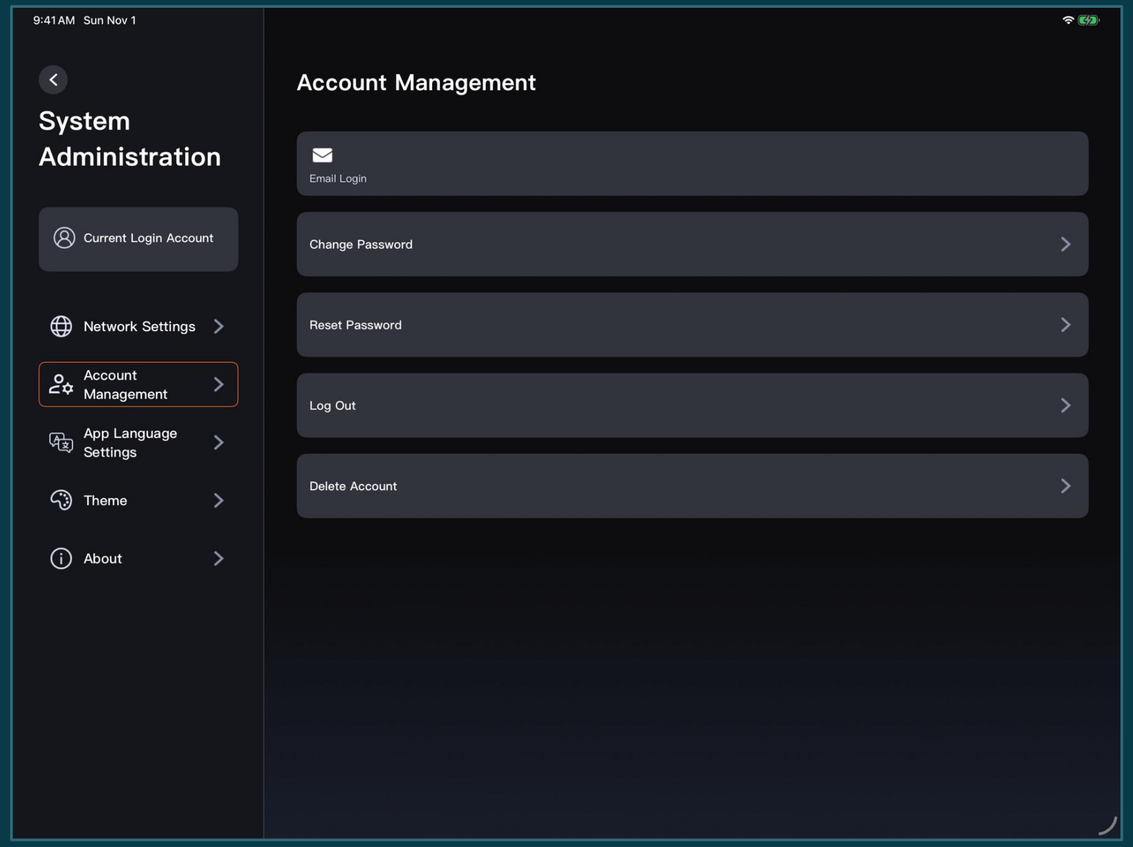
1 On the network home page, tap the menu icon at the top left



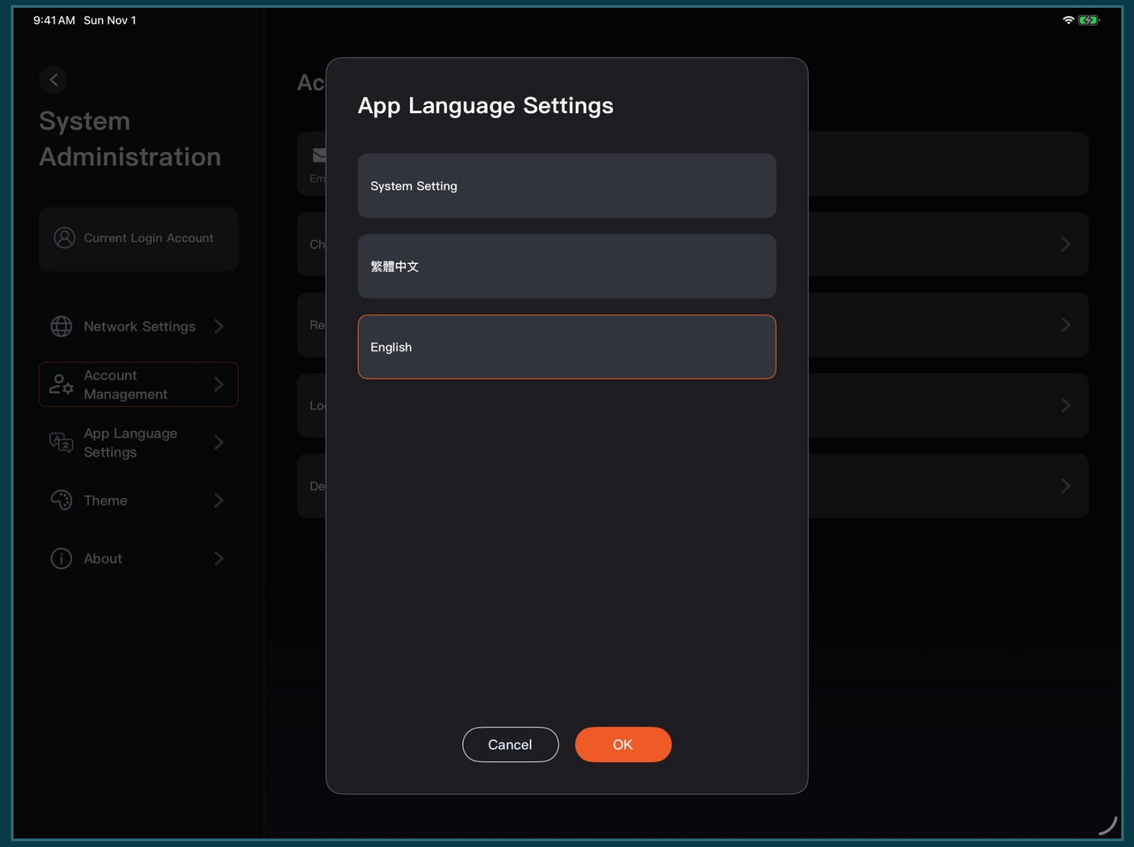
2 Tap Network Settings to switch networks or add a new one

Account and Language

Path: Network home page › menu icon (top left)



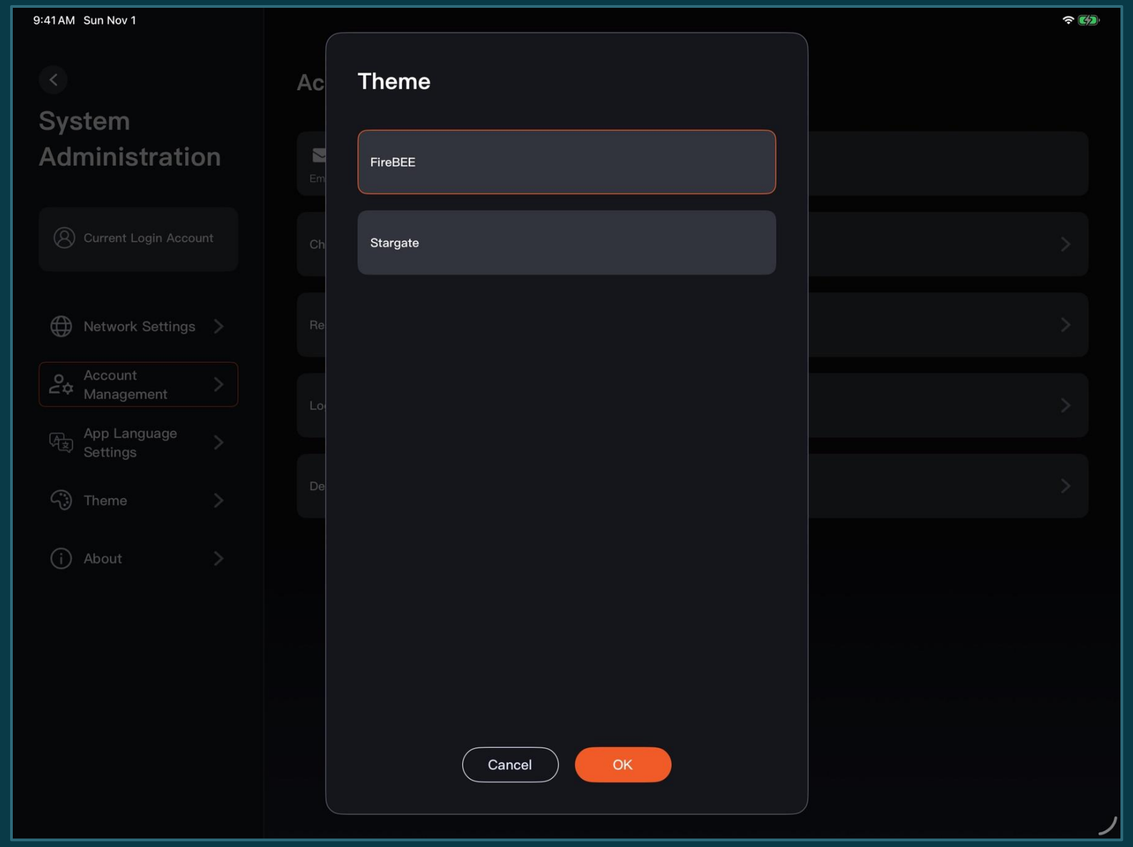
3 Tap Account Management to change or reset your password, log out, or delete the account



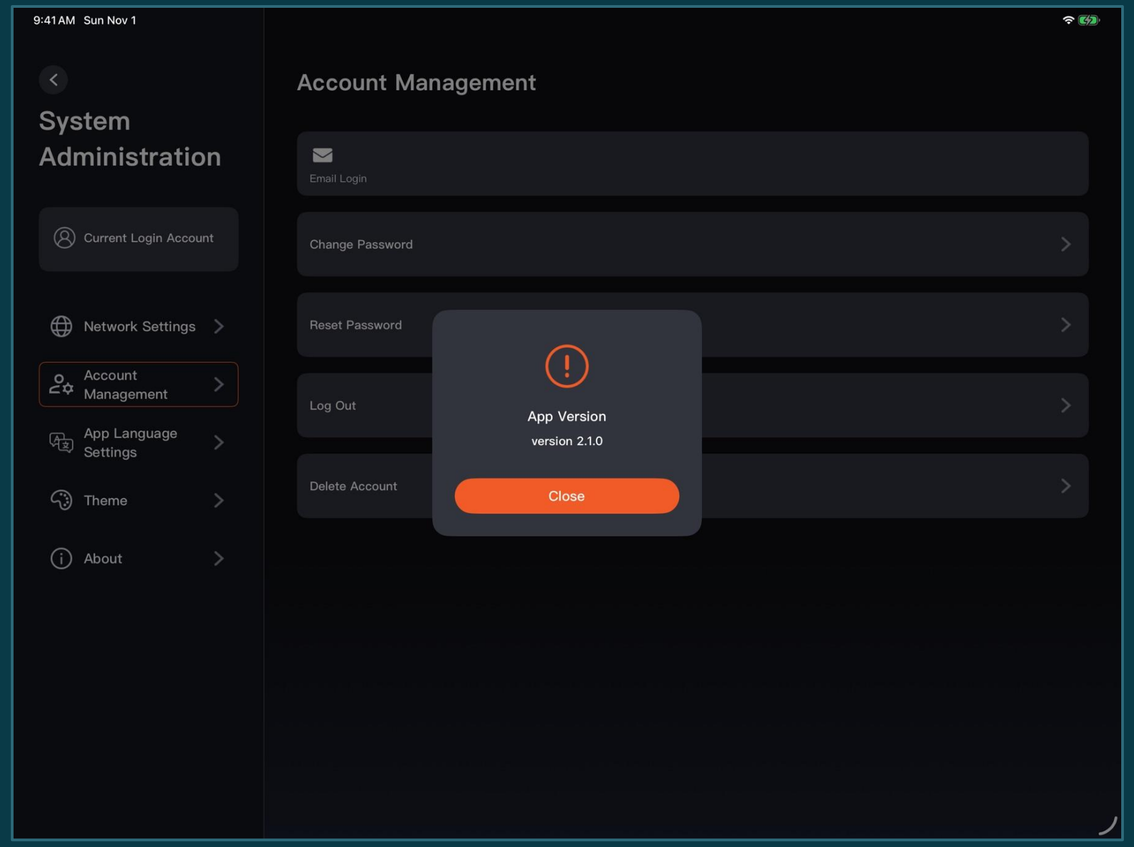
4 Tap App Language Settings

Theme and App Version

Path: Network home page › menu icon (top left)



5 Tap Theme to switch between FireBEE and Stargate



6 Tap About to check the app version



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THANK YOU

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