



# QUICK START GUIDE

## DEFENDER EMPOWER APP



4G LTE SOLAR POWERED 2K+ AI FRONTIER PTZ

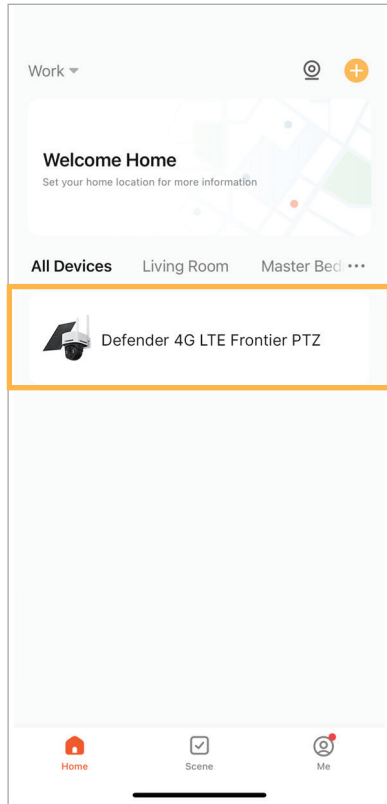
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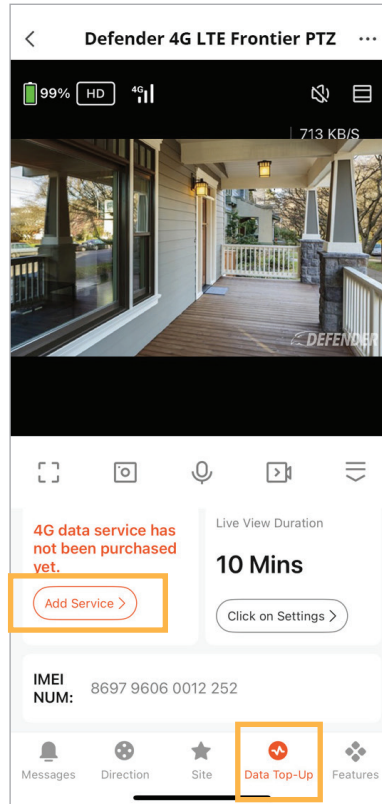
# SETTING UP YOUR SERVICE



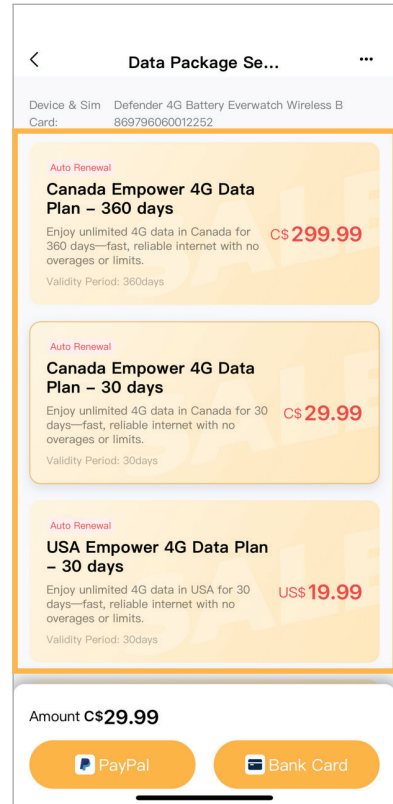
**IMPORTANT: 4G LTE Solar Powered 2K+ AI Frontier PTZ does not connect to Wi-Fi, it requires a data plan. To active your data plan, follow the steps below.**



Launch your App and tap on your Defender AI Frontier PTZ camera.

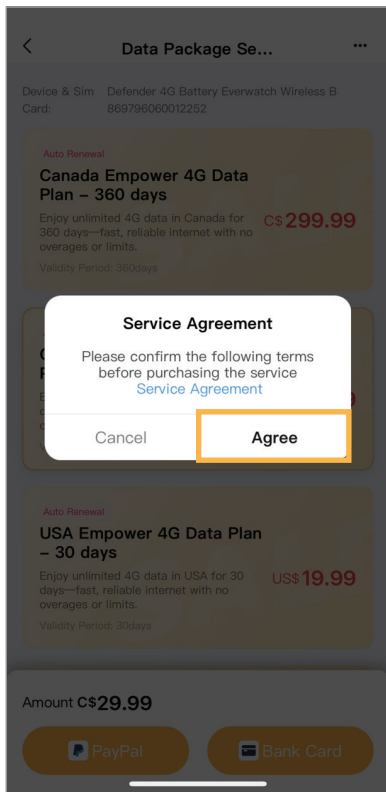


Tap 'Data Top-Up'. Then 'Add Service'.

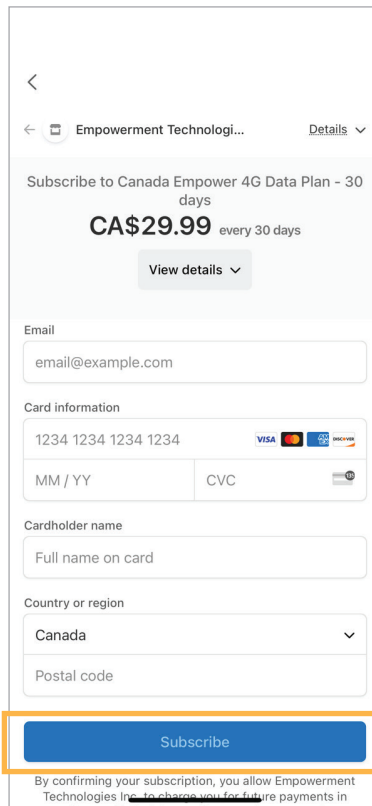


Choose your preferred data plan, making sure to select the one for the country where the camera will be used and select your preferred payment method.

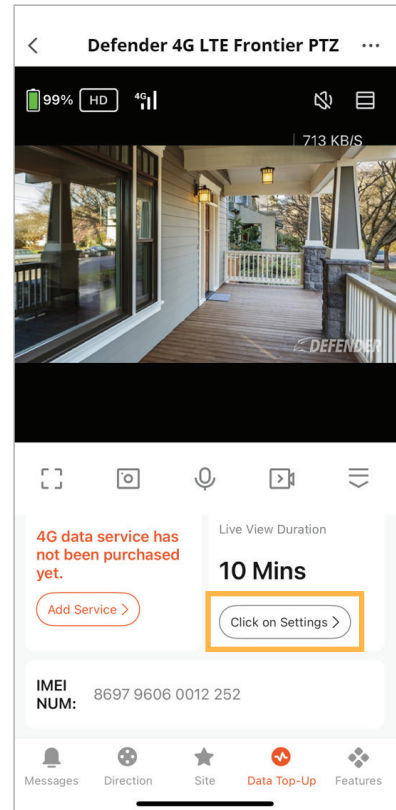




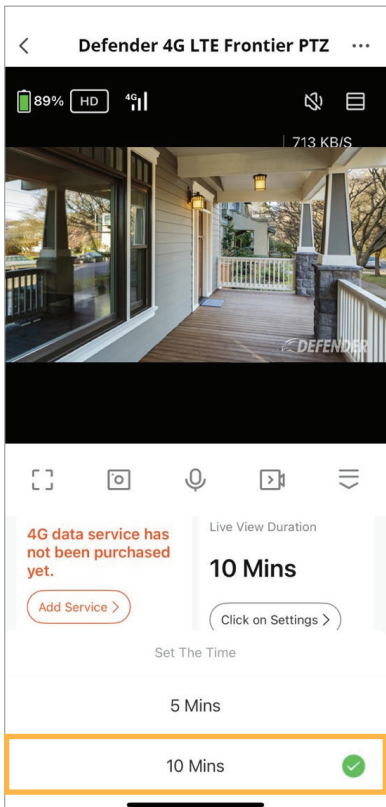
Agree to the terms and conditions.



Enter in your information and select 'Subscribe'.



Once the plan is activated, users can adjust how long each camera remains in live view when manually activated by tap, 'Click on Settings'.



For example, if set to 10 minutes, the live view will automatically turn off after 10 minutes to conserve data and battery. Before shutting off, a prompt will appear asking if you'd like to continue viewing. If no action is taken within 15 seconds, the camera will enter sleep mode and return to the camera list page.



**PLEASE NOTE: After your service is added, the app will update to show your current plan in place of the "Add Service" section.**

# BASIC NAVIGATION

The Defender Empower App allows you to remotely view live and pre-recorded video, save and share footage, share App access and receive customized notifications. Other App functions may not be supported.



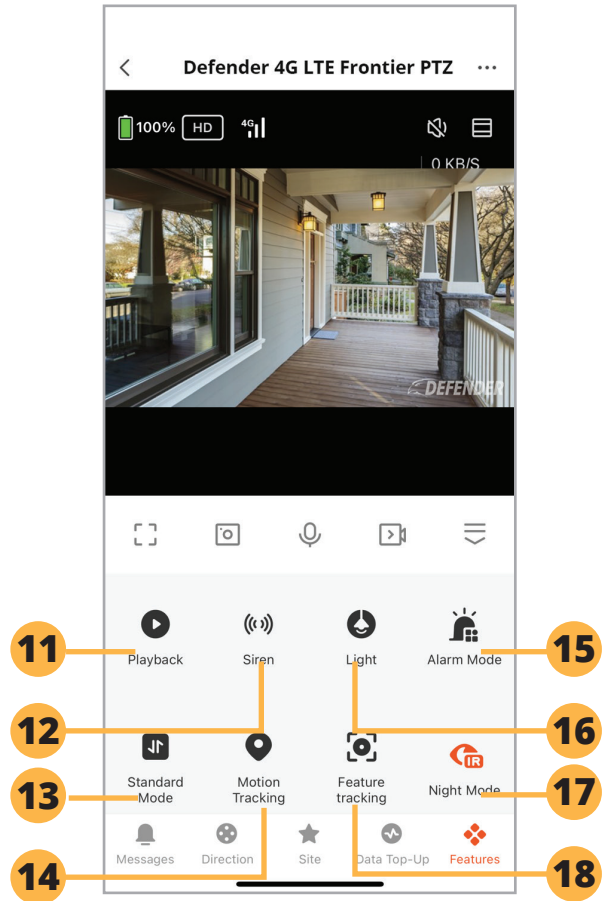
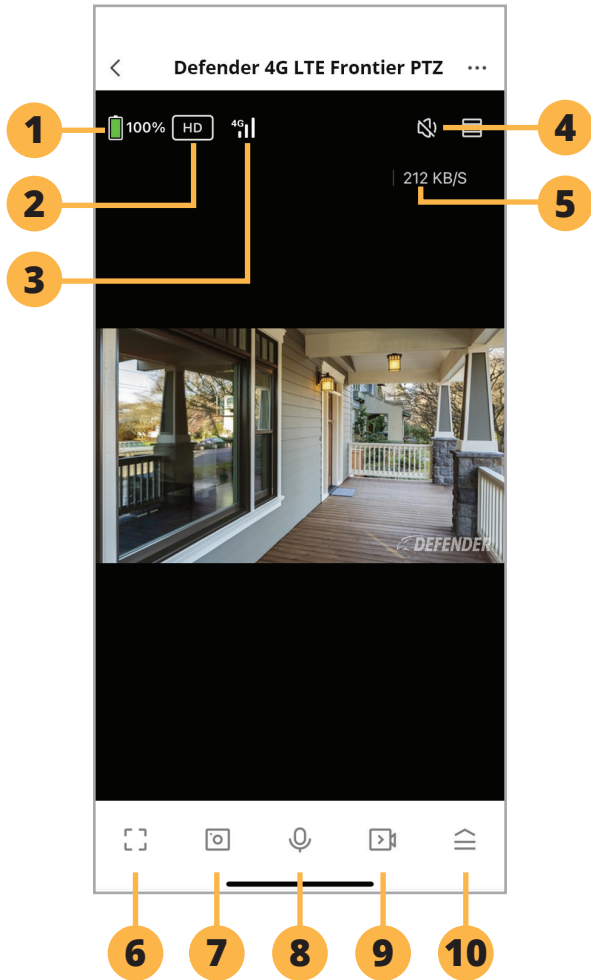
**PLEASE NOTE: Actual app screen layout may differ.**

## HOMEPAGE



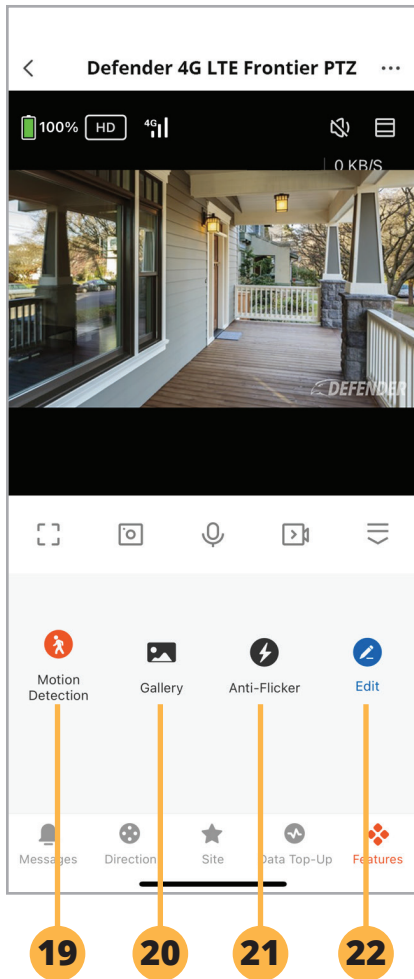
1. Home Name
2. Added Devices (\*Device may not be exactly as shown)
3. Add Device / Create Scene
4. Multiview (available only when two or more cameras are connected)
5. Device Management

## CAMERA LIVE VIEW MENU



1. **Battery Life**
2. **Toggle between HD and SD**
3. **Data Signal Strength**
4. **Audio On/Off**
5. **Video Streaming Data Rate**
6. **Full Screen Mode**
7. **Snapshot**
8. **Two-Way Talk**
9. **Instant Record**
10. **Open Menu**
11. **Playback**
12. **Siren**
13. **Standard/ Flow Mode:** Switch to Flowing Mode for smoother video when the 4G connection is unstable
14. **Enable/Disable Motion Tracking**
15. **Alarm Mode**
16. **Spotlight**
17. **Night Vision Modes**
18. **Feature Tracking:** When enabled, the camera will automatically zoom in on the object most likely to be a human. This effect only applies to the live view; recordings will not include the zoom

## CAMERA LIVE VIEW MENU CONTINUED



19. Enable/Disable Motion Detection

20. Picture and Video Gallery

21. Anti-Flicker

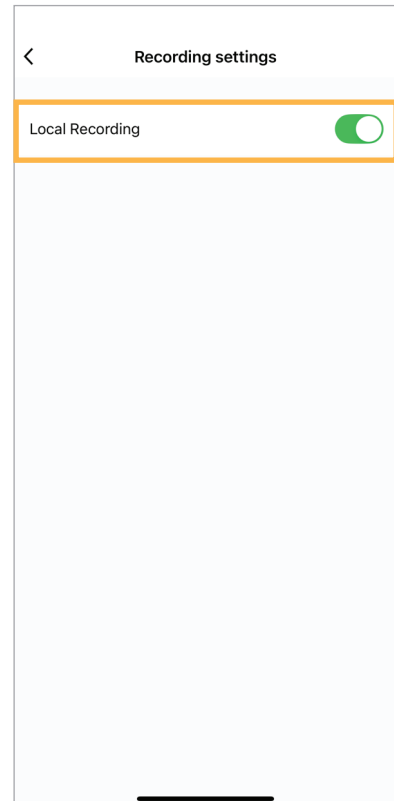
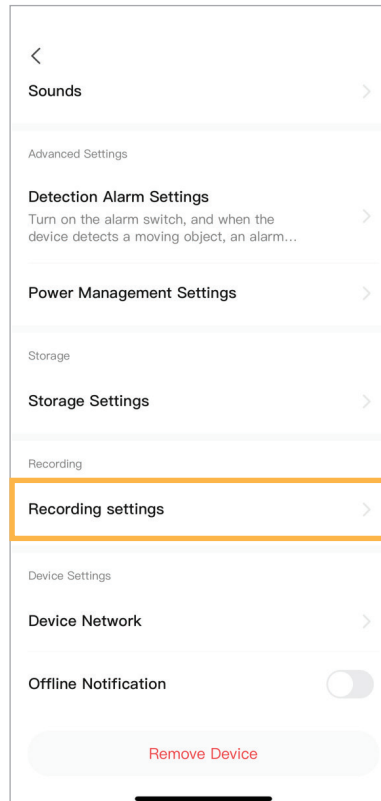
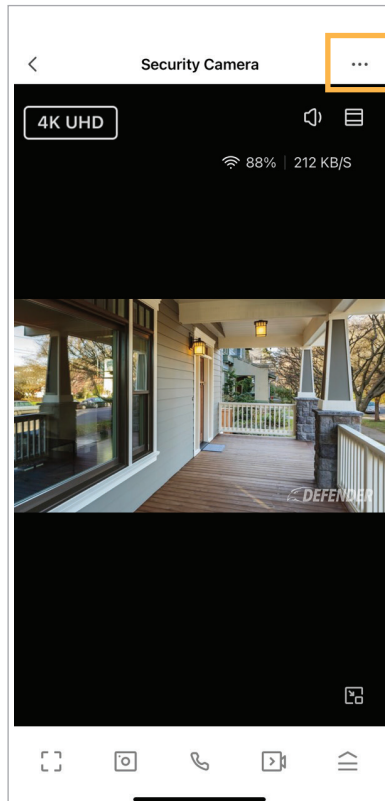
22. Edit Features Listed On Menu

# LOCAL RECORDING SETUP



**NOTE: Continuous recording is not supported on 4G LTE Solar Powered 2K+ AI Frontier PTZ in order to prolong battery life. Recording Settings are only available when a SD card is inserted.**

To enable local recording to an SD card, from the home screen select the camera you wish to adjust the setting for. Next select ( · · · ) in the top right. Select Recording Settings and toggle on Local Record.



**NOTE: Once the SD card is full, the camera will continue to record by overwriting older footage.**

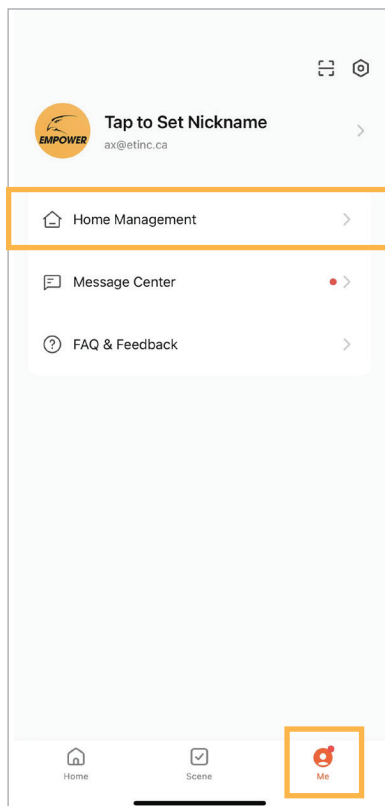
# SHARE APP ACCESS

There are two options to share App Access. Option 1- Share account access, allowing you to share all cameras connected to the account. If you wish only to share one camera, please see option 2.

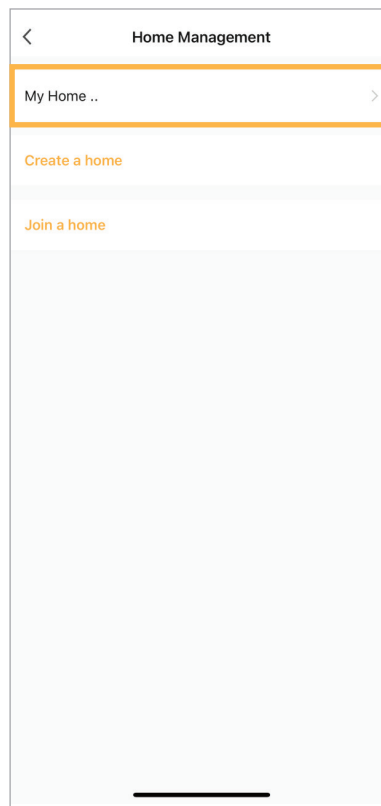


**IMPORTANT: Before sharing App Access, each user will need to download the Defender Empower App and create their own account.**

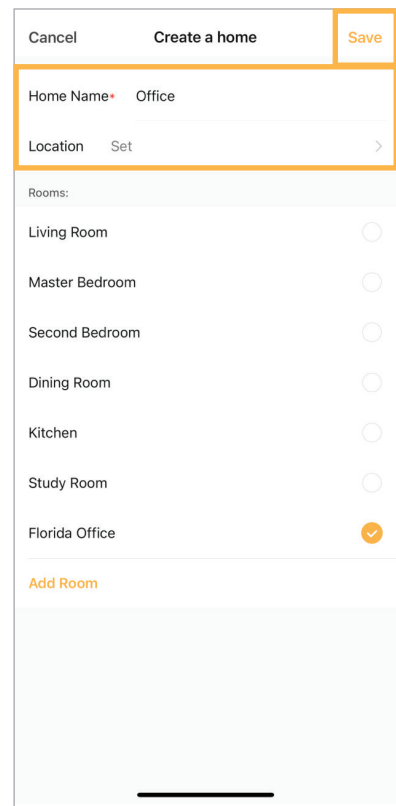
## OPTION 1



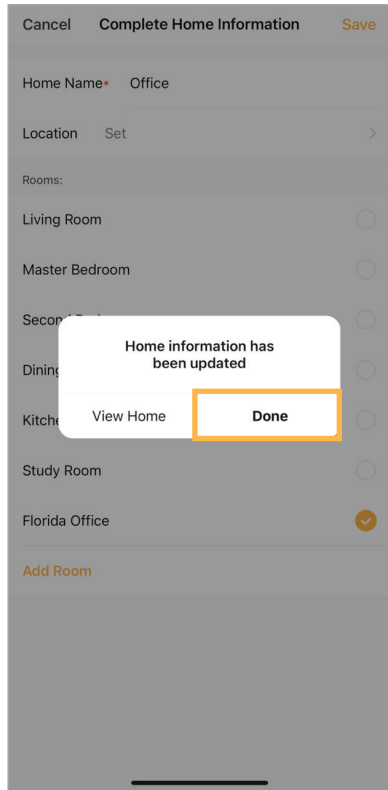
Launch your App and tap on 'Me' then tap 'Home Management'.



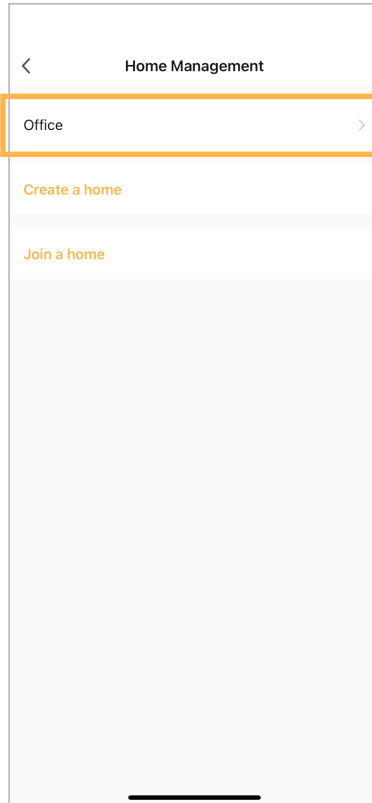
Tap 'My home'.



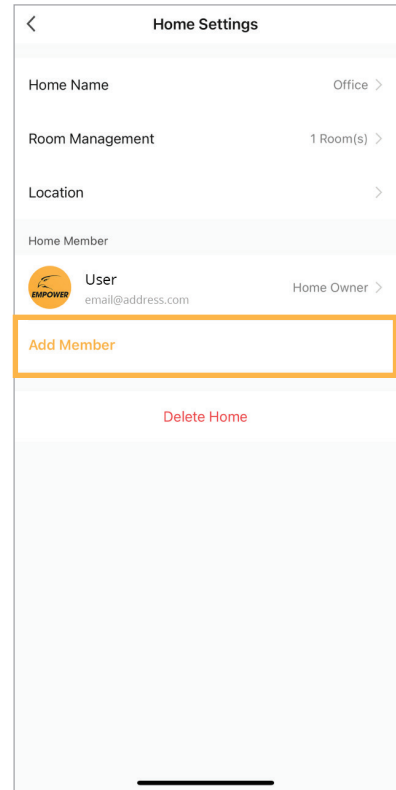
Enter a Home Name and Location. Select only one 'Room' location or create a custom room by tapping "Add Room". Tap 'Save'.



Tap 'Done'.

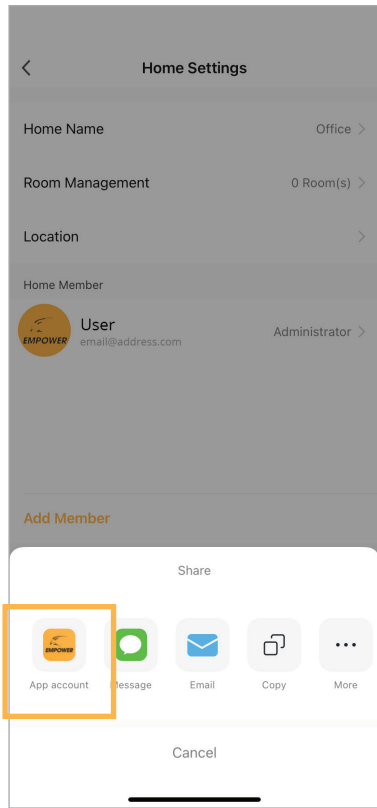


Tap on the device location you would like to share.

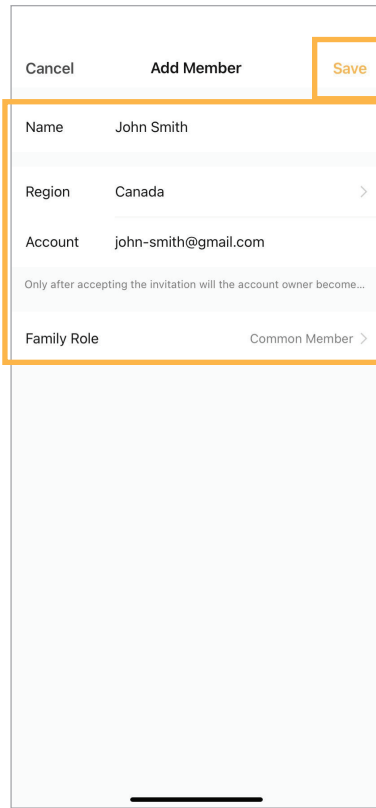


Tap 'Add Member'.

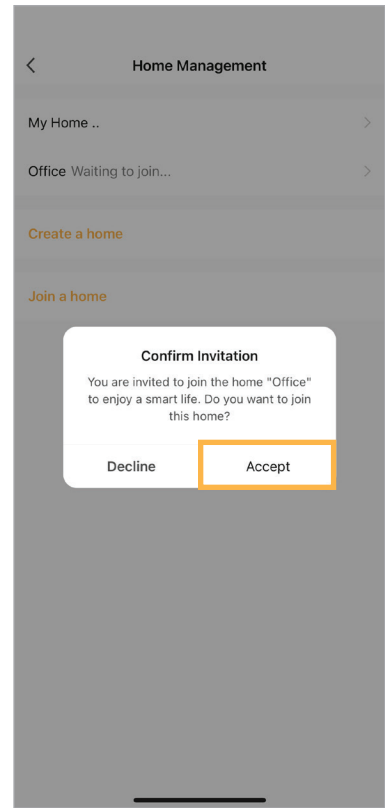




Tap the Defender Empower App account.



Fill in the other user's account information to share App access, then tap 'Save'.

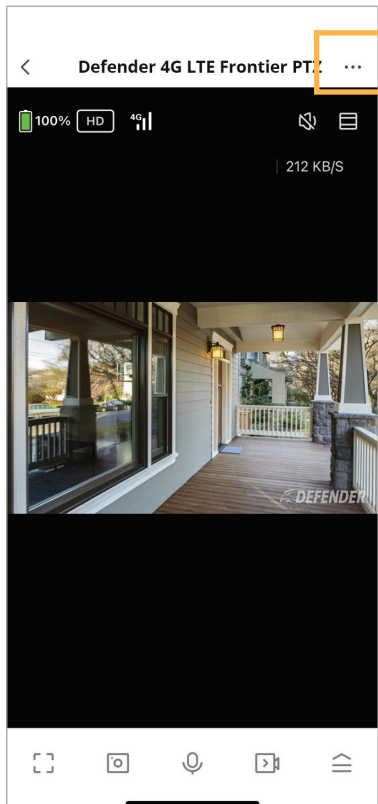


The other user is required to tap "Accept" in their app account to confirm the invitation.

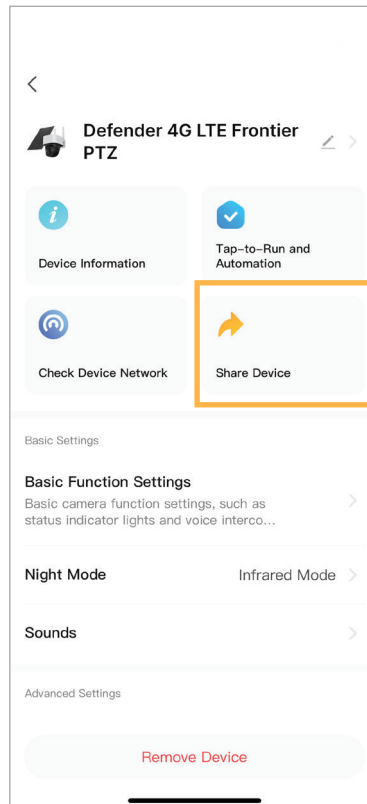


**PLEASE NOTE: If you select Common Member, the user will only have access to view the camera. To allow full access, switch to Administrator.**

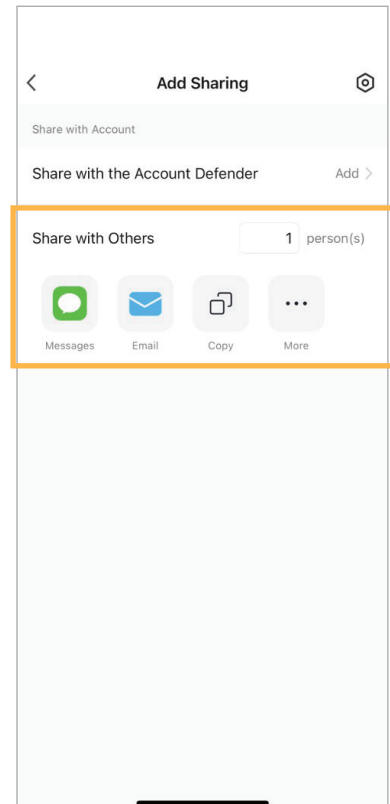
## OPTION 2 - SHARE ACCESS TO ONE CAMERA ONLY.



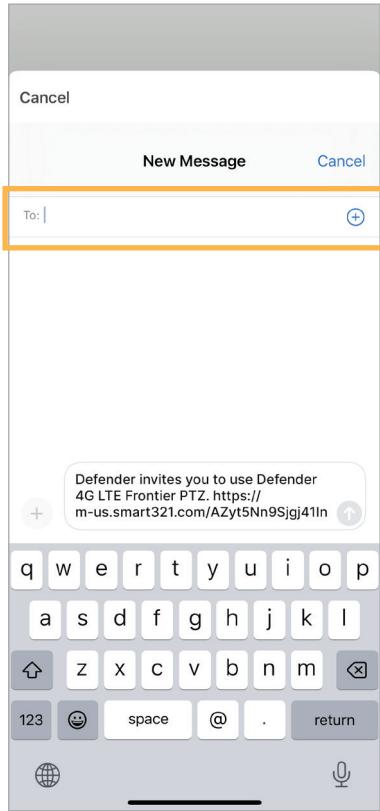
From the live view screen, tap the 3 dots (⋮).



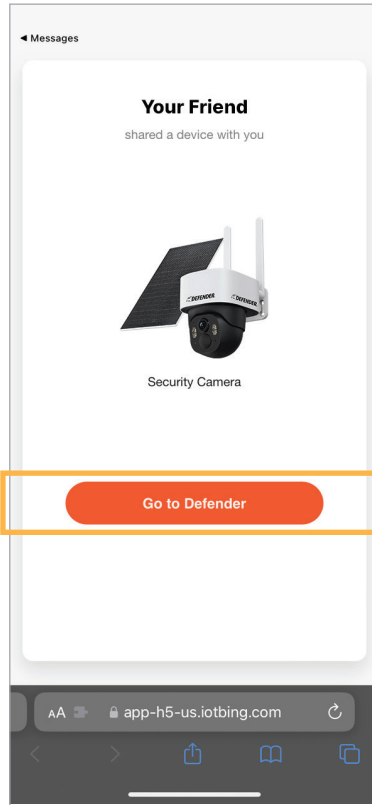
Select 'Share Device'.



Select the method you wish to share access, for example by text or email.



Enter the information of the person you wish to share access with.

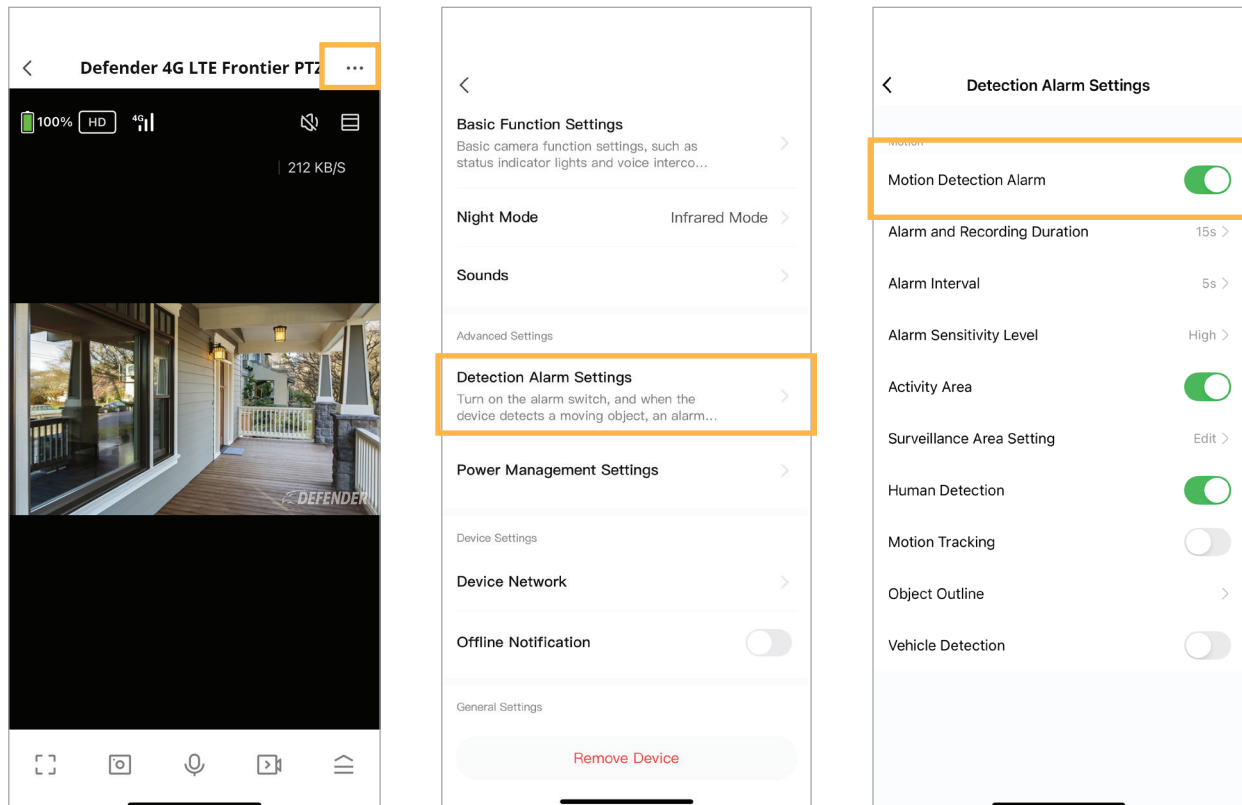


The other user will get a message with a link, and click "Go to Defender" The other user can now accept the share request.

# SETTING UP MOTION DETECTION

To access Detection Settings, navigate to the live view screen, tap ( · · · ), and select Detection Alarm Settings. To access detection settings, enable Motion Detection Alarm.

\*Repeat for each camera.



**Alarm and Recording Duration** – Allows users to set how long the camera records after detecting motion, with a maximum duration of 120 seconds per event.

**Alarm Interval** – The time gap between consecutive recording events. After each event, the camera enters a 5-second sleep mode during which it cannot be reactivated. This is designed to prevent continuous triggering from a single event.

**Object Outline** – This feature allows users to enable a visual frame around detected objects, highlighting them on the camera display.

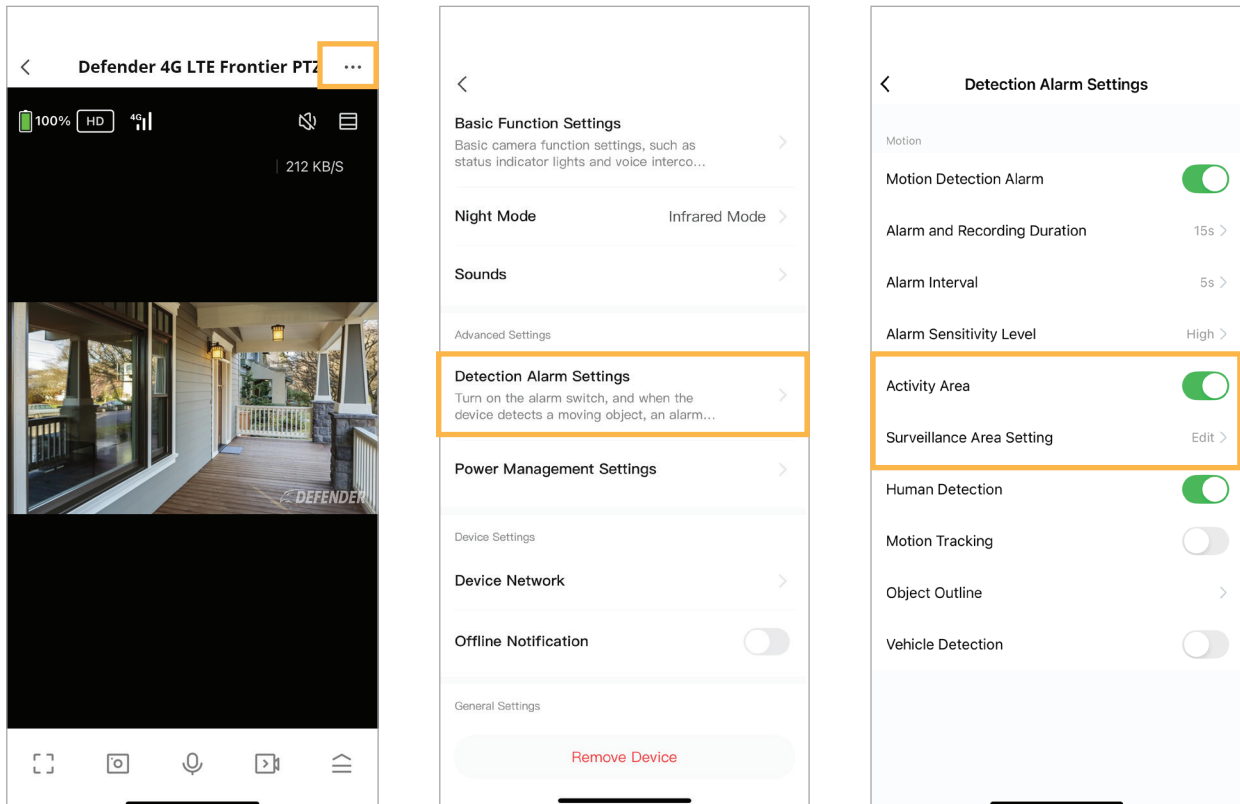
**Motion Tracking** – Allows the camera to automatically pan and tilt to follow movement, whether it's a person or vehicle, based on the user's selected settings.

**Human and Vehicle Detection** – Enables users to customize which types of motion trigger recordings and alerts. You can choose to detect humans, vehicles, or both. If neither option is selected, the camera will record all motion events by default.

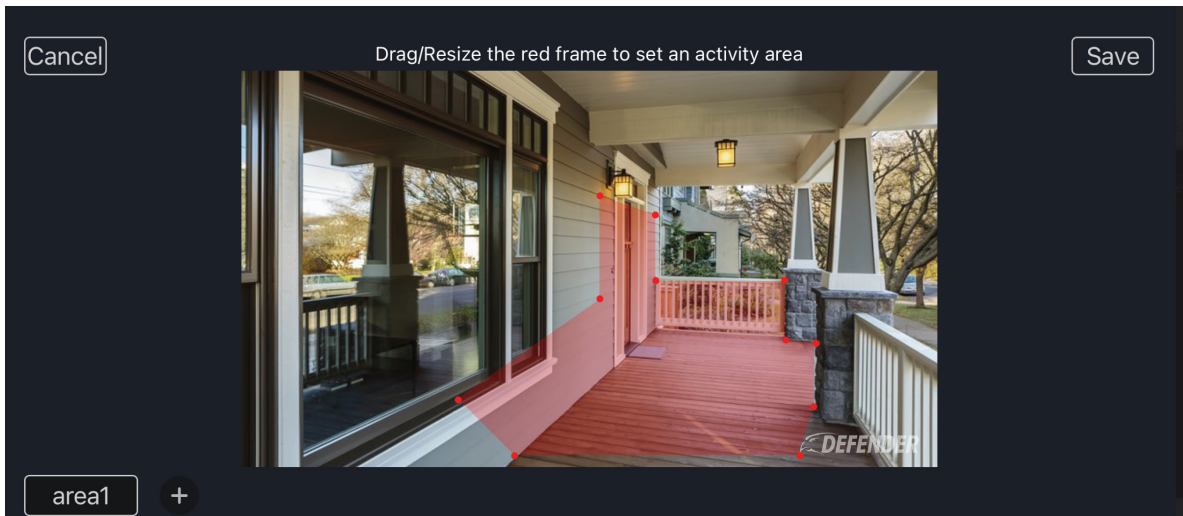
# SURVEILLANCE AREA SETTING

To access the Surveillance Area Setting, navigate to the live view screen, tap (⋮), and select Detection Alarm Settings.

Toggle on Activity Area. Select Edit.



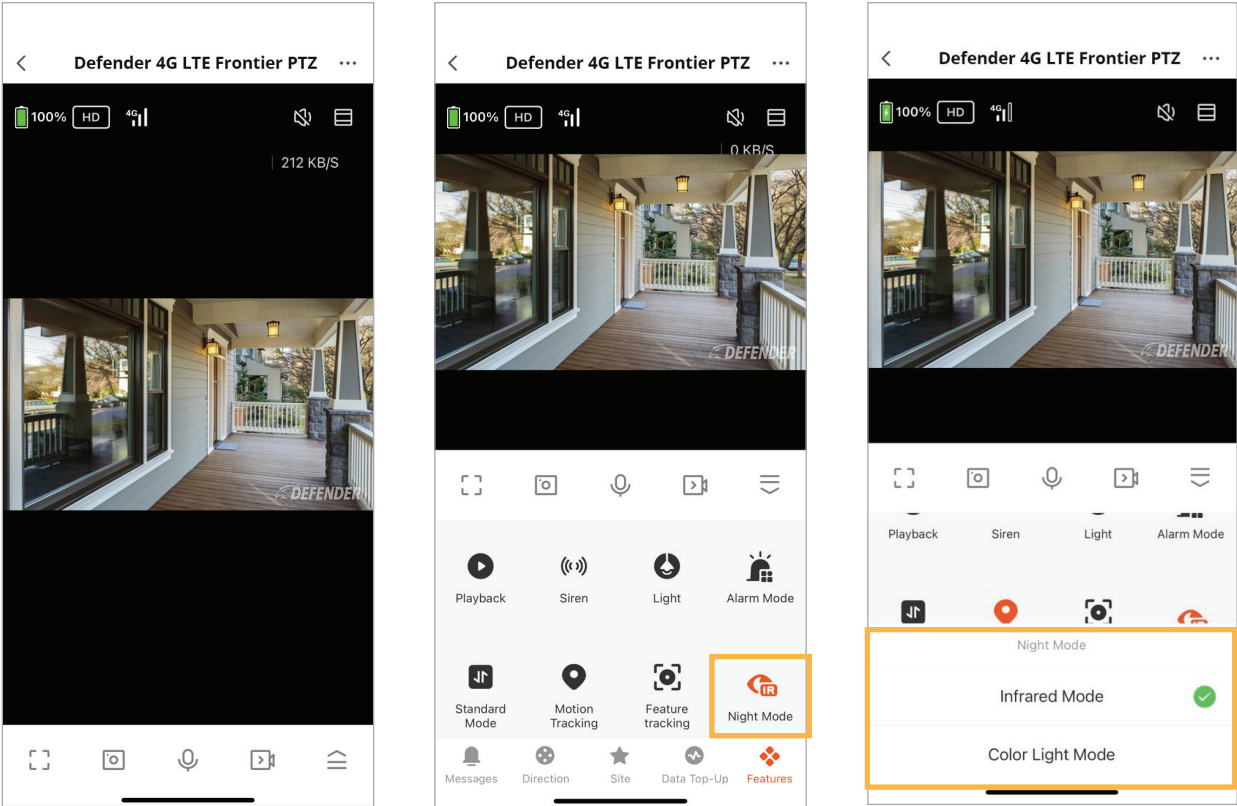
Drag the circles to set your motion detection area. The areas highlighted will detect motion. To add additional areas, tap the + icon. Select Save to confirm your changes.



# SETTING UP NIGHT VISION

To access Night Vision settings, from the Live View Screen, tap (up arrows icon) and select Night Mode. Select your preferred night vision mode.

\*Repeat for each camera.



### INFRARED MODE

The image will be in black and white.

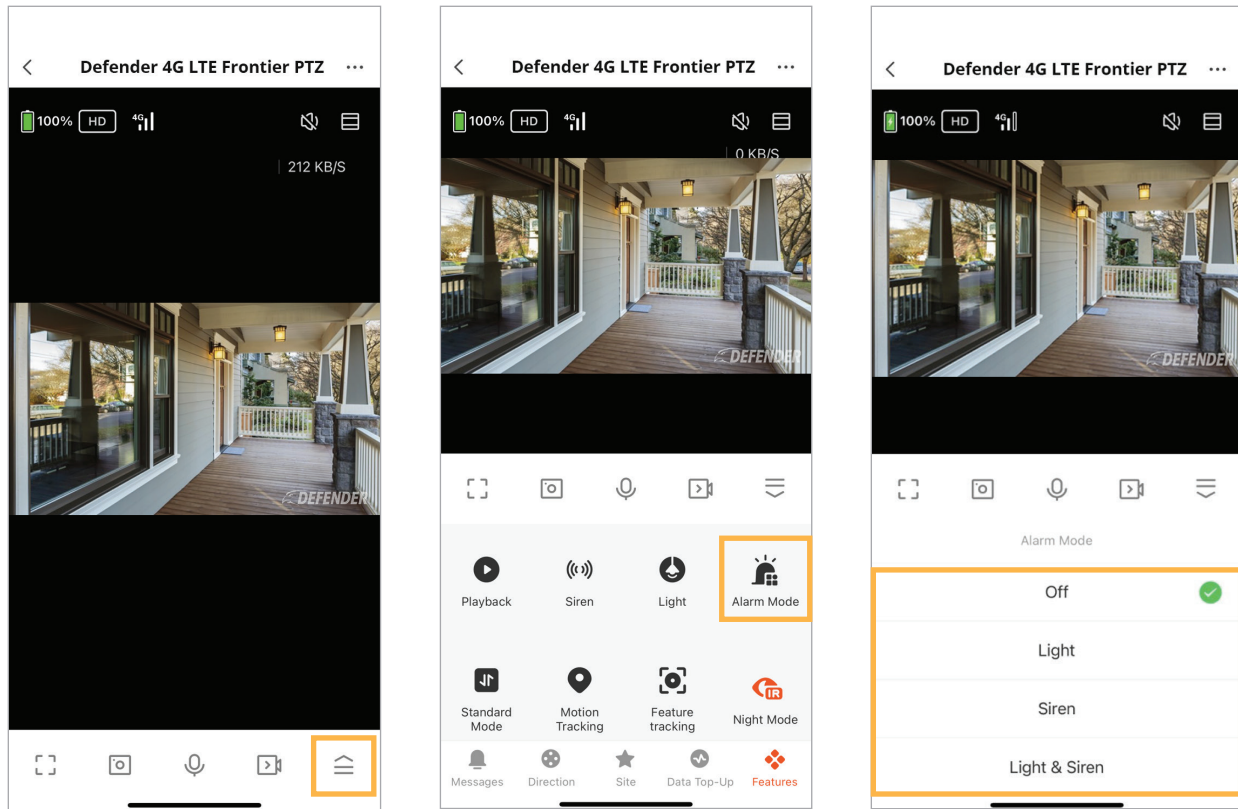
### COLOR LIGHT MODE

The spotlight will activate to provide full-color night vision when the camera is being viewed live or when motion is detected, triggering recording. All recordings will be in color. The spotlight will turn off to conserve battery when the camera is not being viewed live or when no motion is detected.



# SIREN DETERRENCE SETTINGS

To access Siren settings, from the Live View Screen, tap (up arrows icon) and select Alarm Mode.



**Light:** Enables the spotlight to turn on based on the users preferred motion detection settings. The spotlight will remain on for 10 seconds.

**Siren:** Enables the siren to turn on based on the users preferred motion detection settings. The siren will remain on for 10 seconds.




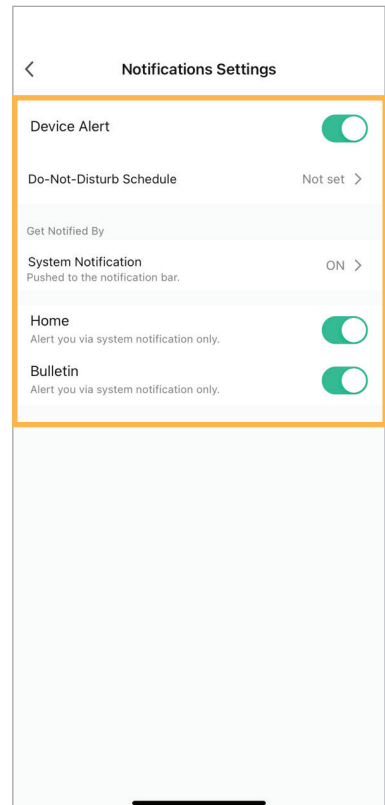
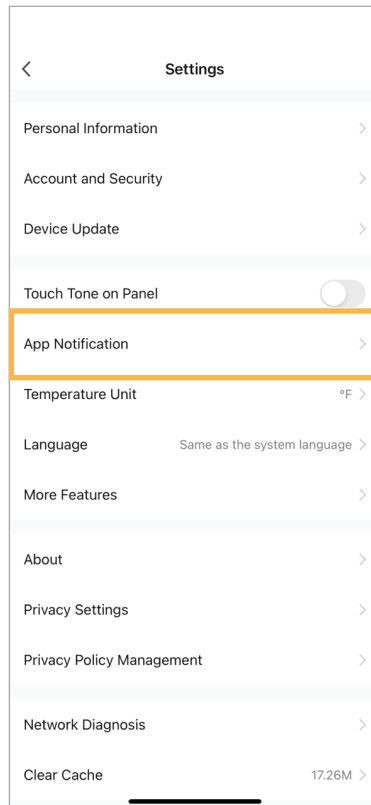
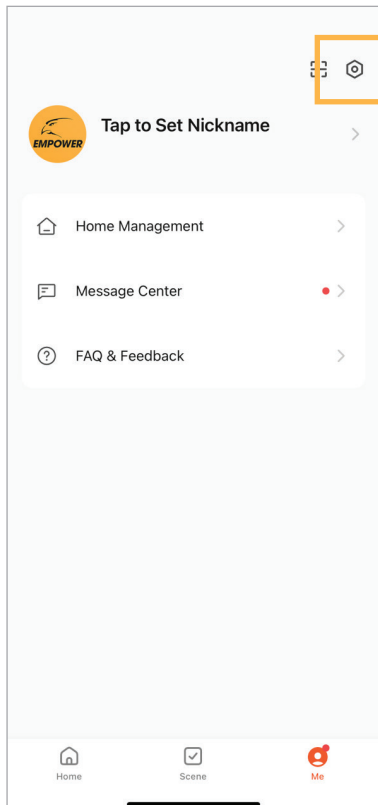
**Important:** *The alarm is loud, please use caution when activating.*

# SETTING UP NOTIFICATIONS



**IMPORTANT:** Alarm and Message Push with image notifications are on by default. If this is your preferred setting, skip this step.

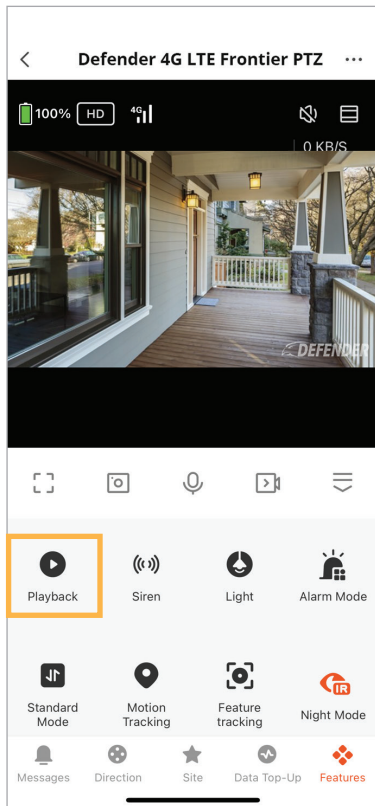
To turn off Notifications from the Home Screen, select Me. Select the Settings icon  and select App Notifications. Select your preferred notification settings.




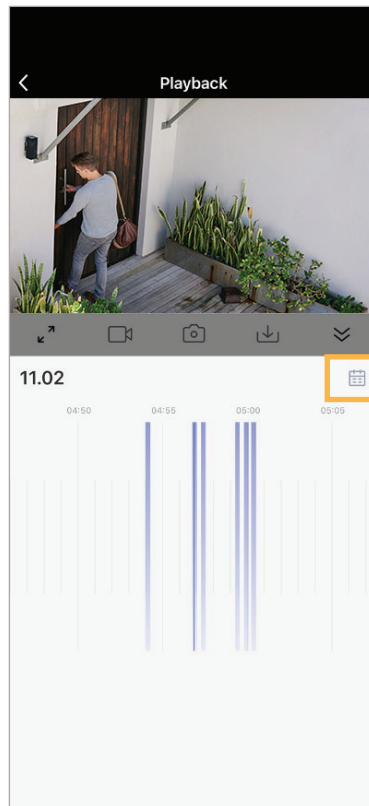
# PLAYBACK


You have two ways to access recordings in the Defender Empower app, direct playback or via motion notifications (See Notifications section)

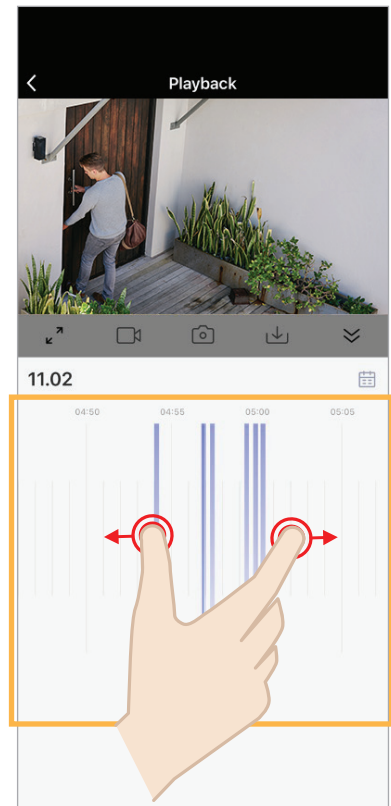
## OPTION ONE:



Step 1: On the live view page, tap  to open the control panel menu. Tap "Playback".



Step 2: From this page, select your desired date to start viewing recorded footage. Tap  > Select date.



Step 3: Scroll left to right to view recordings, displayed by vertical blue lines. Pinch to zoom in and out of your timeline.



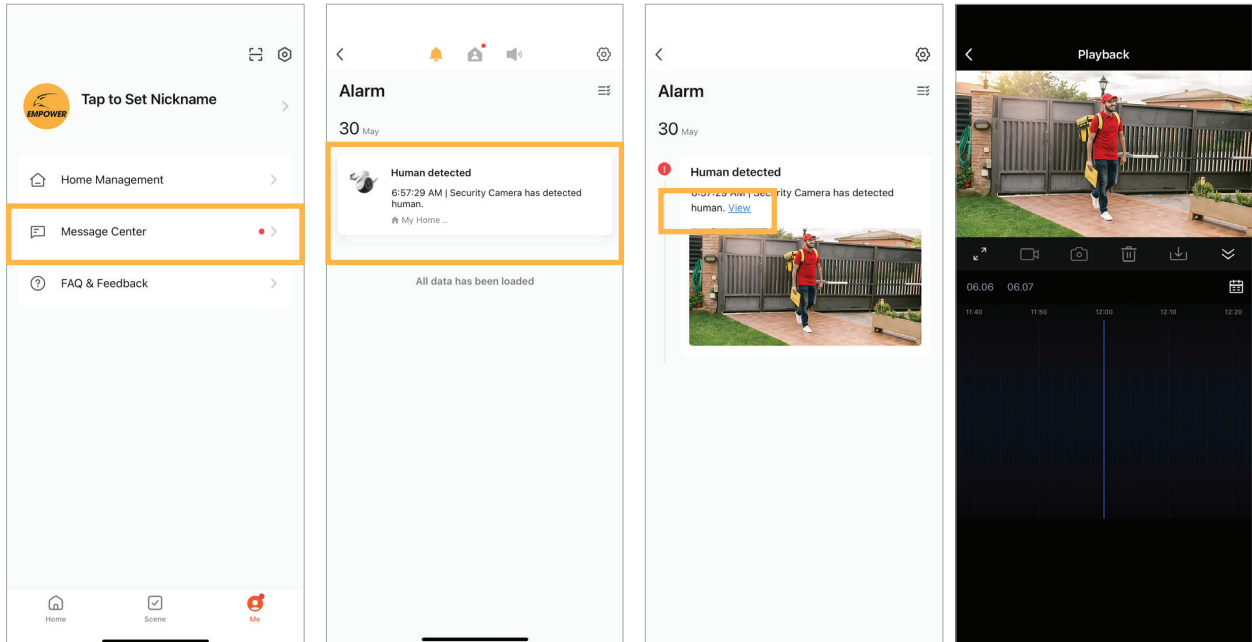
**PLEASE NOTE: Days with no recording, will be greyed out. Dates with recording will appear black.**

Sun.	Mon.	Tue.	Wed.	Thurs.	Fri.	Sat.
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

**OPTION TWO:**

With notifications enabled, you can view your playback directly from notifications. If you select a notification that the camera is currently recording, selecting view will display the live view of the camera.

From the live view screen, select Me, select Message Center and select the camera you wish to view notifications for. Tap view, to view the playback.

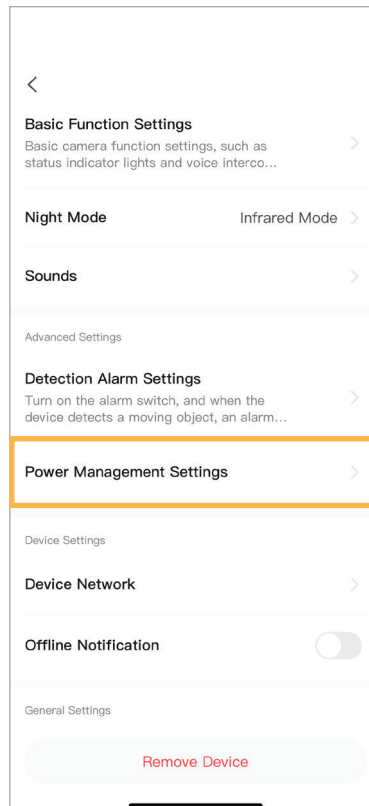


# LOW BATTERY ALARM

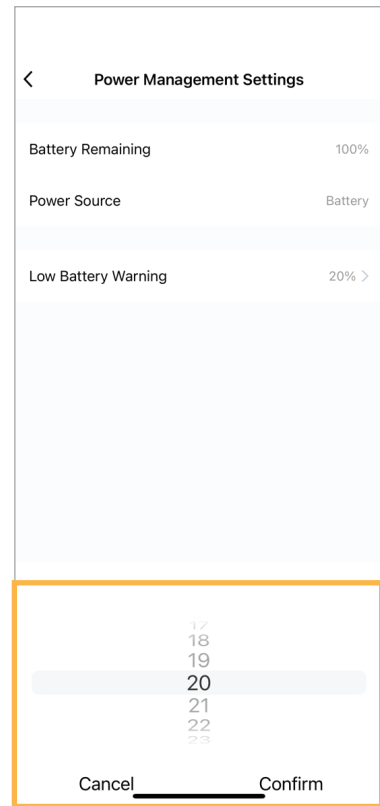
For your peace of mind, we recommend setting a Low Battery Alarm in the Defender Empower App to be reminded when your camera battery is low. To maximize the battery life of your camera, we recommend keeping your battery charged at all times by connecting to the solar panel. Low Battery Alarm is set to alert at 20% battery by default.



Step 1: From the live view page, tap (⋮)



Step 2: Tap "Power Management Settings".



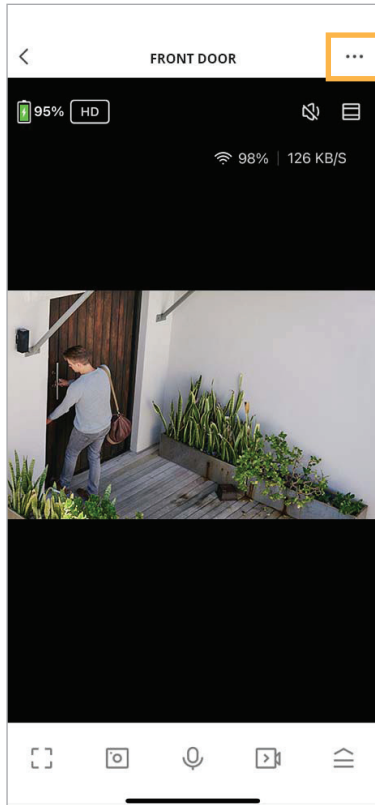
Step 3: Tap "Set the Low Battery Warning". Select what battery life percent you wish to start receiving notifications of low battery. Tap "Confirm" to save.



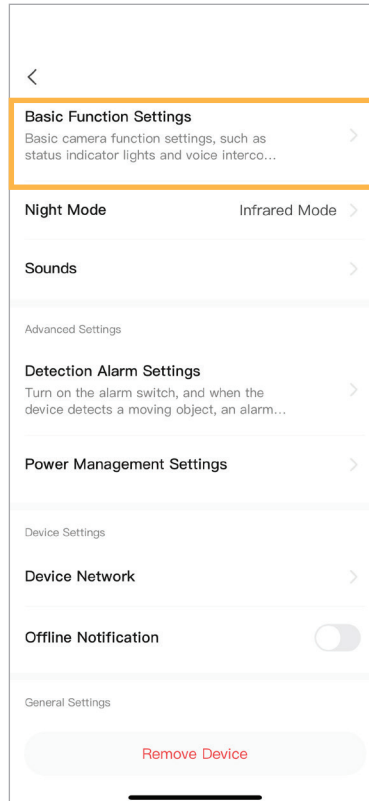
# TWO-WAY TALK MODE

You have two options to select between two-way and one-way talk mode.

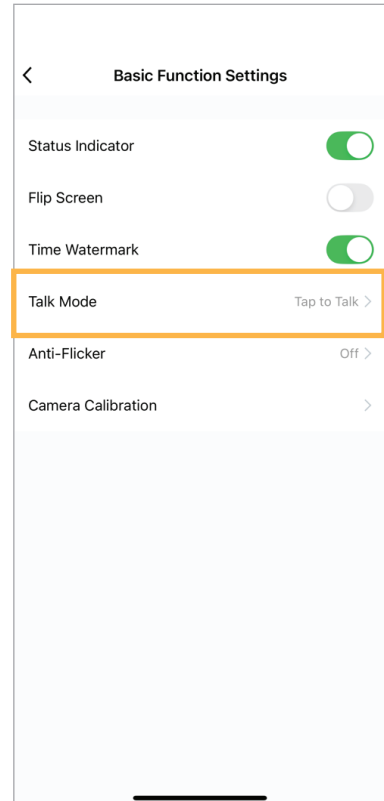
- 1. Two-Way Talk** – Speak and listen simultaneously. This is ideal for having conversations through the camera from the App.
- 2. One-Way Communication** – You can either hear from the camera or speak through the camera at any moment, but not at the same time. This mode should be used when you are using the talk function close to your camera to avoid echoing and noise.



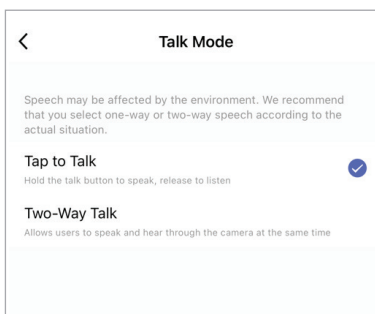
Step 1: From the live view page, tap (⋮) at the top right corner to go to settings.



Step 2: Tap “Basic Function Settings”.



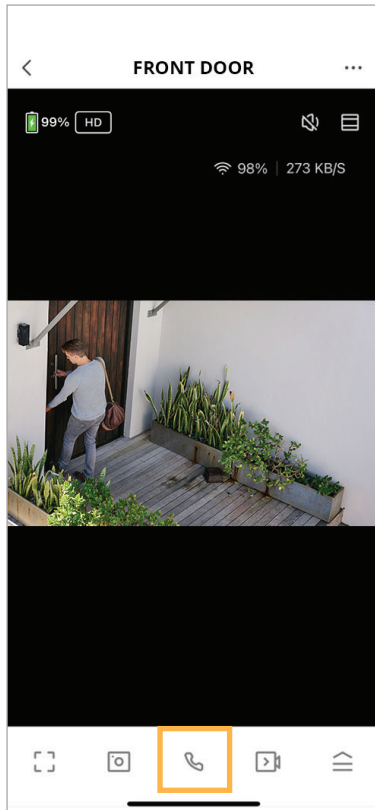
Step 3: Tap “Talk Mode” to edit.



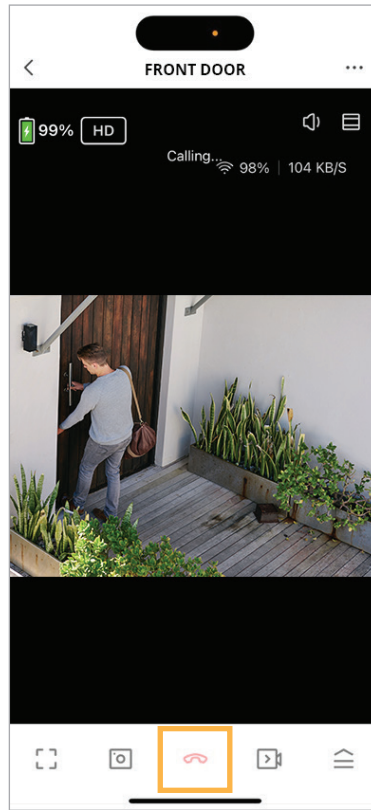
Step 4: Select your preferred setting.

## TWO-WAY TALK

To use Two-Way talk, select the camera you wish to communicate with.



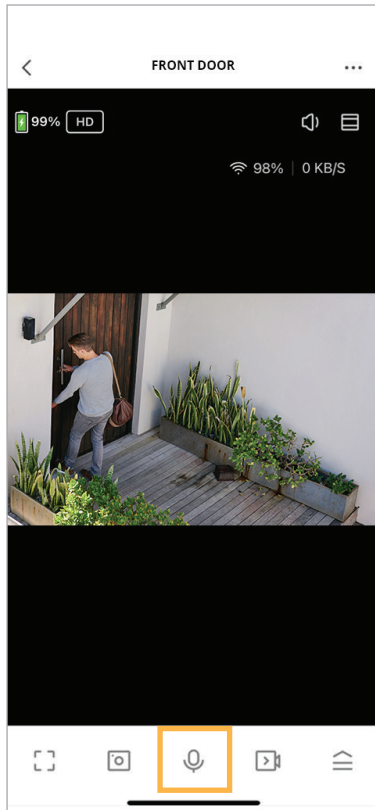
Step 1: Tap the Phone button in live view to start two-way talk.



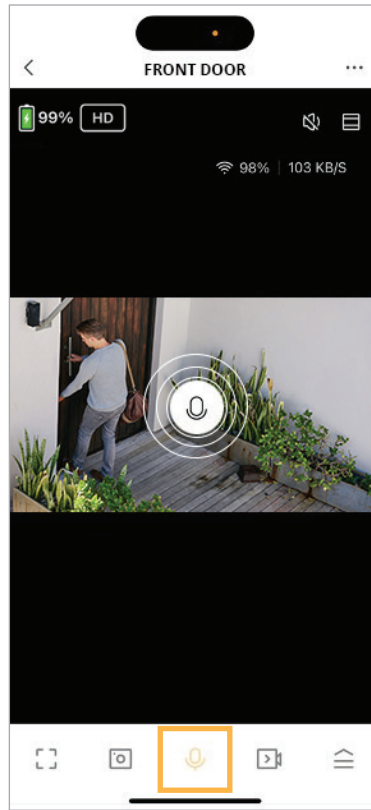
Step 2: Start talking when the Phone symbol turns red. Tap the Phone symbol again to hang up.

## ONE-WAY COMMUNICATION

Select the Camera you wish to communicate with.



Step 1: Tap and hold the microphone button in live view to activate the microphone



Step 2: Start talking when the microphone symbol appears. Release the microphone button to finish talking.



DefenderCameras.com

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