REPORTER ai
WIRELESS ALERT

User Manual

Reporter AI Wireless Alert

Outdoor Sensor + Hub Kit



Hub
Indoor touchscreen unit



Outdoor Sensor
Battery-powered motion camera

Battery-powered Outdoor Sensor with image capture, smart recognition, and long-range wireless connection to the touchscreen indoor Hub. No Wi-Fi is required for normal use. Optional App Alerts are available through the Reporter App.

SUMMON GEAR

SummonGear LLC Reporter AI Wireless Alert™ Patents Pending. Doc. Rev4

Created, programmed and assembled in the USA with domestic and foreign components.

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2 What Is Included

- 1 indoor Hub with touchscreen
- 1 Outdoor Sensor with mounting bracket/gimbal
- 1 USB-C power adapter for the Hub
- 4 AA batteries for Hub backup power and 2 C-cell batteries for the Sensor.

You can add more Sensors later. One Hub supports up to **25 Sensors**. Extra Sensors are available at **SummonGear.com**.

3 Quick Start: Set Up Your System First

Follow these steps before mounting the Sensor outside. Start with the Sensor close to the Hub so setup is easy. You do not need Wi-Fi for normal operation. Wi-Fi is only used for optional software updates, downloading saved images from the Hub to a phone or computer, and receiving App Alerts.

1. Install the 4 AA batteries in the Hub. These are backup batteries. Always use quality alkaline batteries.
2. Plug the Hub into the included USB-C power adapter.
3. Read and agree to the Terms of Use. Scroll down using the MORE button, read carefully, then tap Agree. This page will not appear again.
4. Open the Sensor and install the 2 C-cell batteries. Always use quality alkaline batteries.
5. Keep the Sensor within 3 feet of the Hub.
6. Pair the Sensor with the Hub (see Section 6).
7. Wave your hand in front of the Sensor to test it.
8. Confirm that an image appears on the Hub.
9. After the test works, mount the Sensor outside.

How You Know It Is Working

If you wave your hand in front of the Sensor and an image appears on the Hub, the system is working.

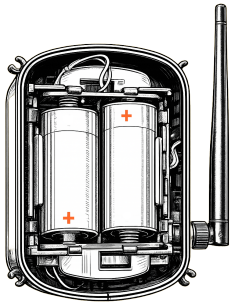


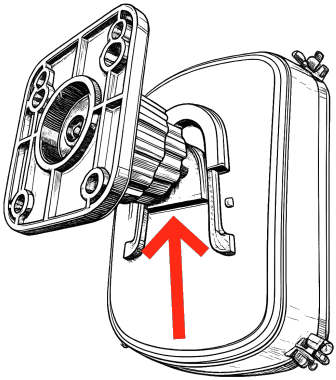
Figure 1: Install batteries in the Sensor before pairing.

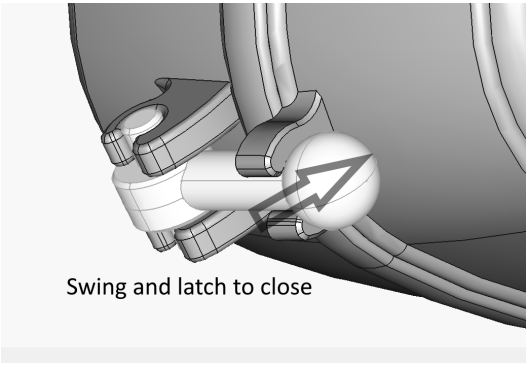
3.1 Cold Weather Note

In very cold temperatures below 32°F / 0°C, use high-quality lithium 1.5V C-cell batteries for better performance. Alkaline batteries work well in normal weather. If temperatures drop below 20°F, alkaline battery capacity is greatly reduced.

3.2 Closing the Sensor

1. Place the back cover on the front of the Sensor housing. Make sure the mounting socket is on the top.





Install the corner pins after closing the Sensor.

2. Press the two halves together until they are fully seated.
3. Insert the corner pins to lock the housing shut.
4. You don't need to install the gimbal bracket yet; it is shown here to clarify orientation.

Product Overview

The Reporter AI Wireless Alert is a motion-detecting alert system with smart image recognition. The two main parts are the **Hub**, which is the indoor touchscreen receiver, and the **Outdoor Sensor**, which is the battery-powered camera/motion unit. In this manual, the Outdoor Sensor is usually called the **Sensor**. The Sensor uses PIR motion detection.

Main Benefit

Unlike a simple chime, this system helps you see whether the alert was caused by a person, vehicle, or animal. You can also exclude alerts you do not want.

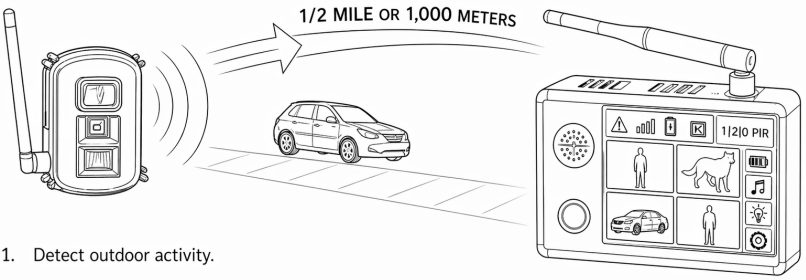
4 What the System Does

The Reporter AI Wireless Alert monitors your property for the types of movement and objects you select, then sends an image to the indoor Hub so you can see what triggered the alert. This is done at long range without Wi-Fi. You can also set the Hub to connect to Wi-Fi and send App Alerts to your phone when you are away.

What System Can Do

- Motion detection for outdoor or indoor use
- Image capture when motion is detected
- Smart recognition for people, animals, and vehicles, based on your settings
- Intelligent filtering of what objects (targets) to receive alerts for and what to ignore
- Long-range wireless connection to the Hub
- Alerts and image review on the indoor touchscreen
- No Wi-Fi required for normal operation
- No monthly fees or memberships
- Ability to download images directly to your phone or computer from the Hub without internet
- Ability to have the Hub notify your phone if you wish. Wi-Fi near the Hub and the Reporter App are required.

What the System Does

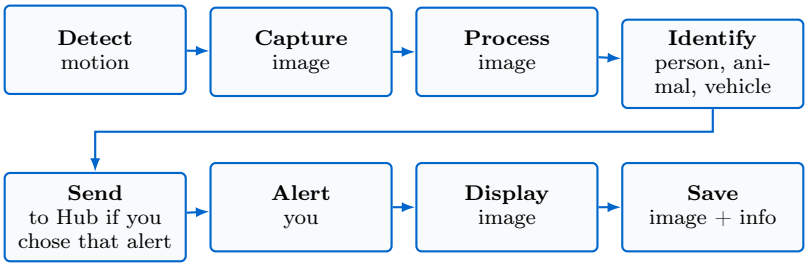


1. Detect outdoor activity.
2. Capture an image.
3. Determine is it a person, vehicle, or animal.
4. Alerts you indoors.

5 How the System Works

5.1 System Overview

The system has one indoor Hub and one or more Sensors. When motion is detected, the Sensor takes an image, identifies the object if possible, and sends the image to the Hub. The Hub shows the image, sounds an alert, and saves the event for later review.



5.2 Normal Use

When the detected object matches the target types you selected, the Hub shows the image right away. You can quickly see what triggered the alert and decide whether you need to take action.

The Hub also lets you review old images, check battery levels, check signal strength, and manage your Sensors.

6 Expansion

One Hub can work with up to **25** Sensors. You can cover a large property by placing Sensors in different locations.

Each Sensor can be given its own name, such as “Front Driveway,” “Back Gate,” or “Barn Entrance,” so you know exactly which Sensor was triggered.

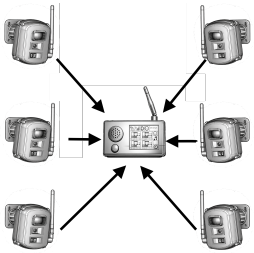


Figure 2: One Hub can manage many Sensors. Scan the QR code to visit the SummonGear website.

7 Pairing the Sensor and Hub

You must pair the Sensor with the Hub before use. Pair the Sensor while it is close to the Hub, within about 3 feet, 1 meter.

1. On the Hub home screen, tap the information icon, then tap the settings icon.

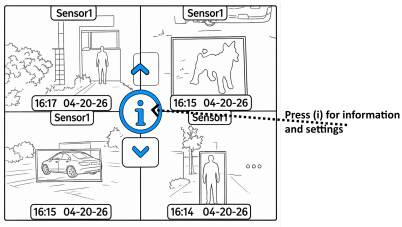


Figure 3: Tap the information icon, then go to Settings → Pair.

2. Tap **PAIR**, then tap **PAIR MODE**. The button turns green.

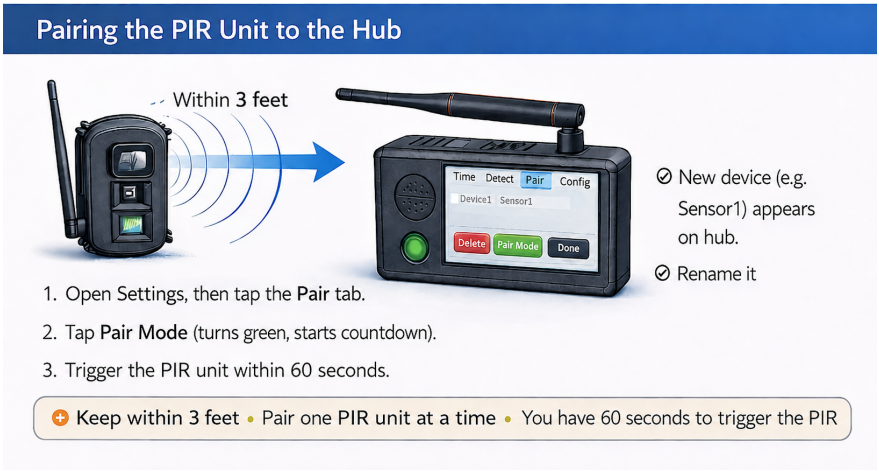


Figure 4: Turn on Pair Mode from the Hub.

3. Within 60 seconds, wave your hand in front of the Sensor until its light blinks, or insert the batteries into the Sensor.
4. Wait for the new Sensor to appear on the Hub screen.
5. Give it a helpful name, such as "Back Driveway."
6. Tap **Done**.
7. Test the Sensor a few times before mounting it permanently.

Pairing Tip

Keep the Sensor within 3 feet of the Hub while pairing. After pairing works, test it indoors before mounting outside.

8 Sensor Memory

If the Hub is out of range, the Sensor can save up to 100 images and send them later when it reconnects to the Hub. Once 100 images are reached, the sensor overwrites old images in blocks of 25 images. The images are retained even if batteries are removed.

9 Gimbal Assembly

Assemble the mounting bracket before installing the Sensor.

1. Insert the ball into the nut.
2. Press the ball into the plate socket.
3. Tighten the collar to lock the assembly.
4. Screw the mounting plate securely to a wall or post.
5. Slide the Sensor onto the bracket until it locks.
6. Aim the Sensor level or slightly downward and tighten the collar.

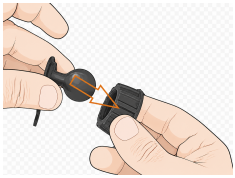


Figure 5: Insert the ball into the nut.

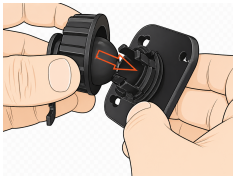


Figure 6: Press the ball into the plate socket.



Figure 7: Tighten the collar to lock the assembly.

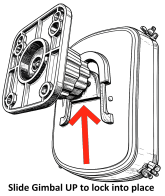


Figure 8: Slide the Sensor up to lock it in place.

Important

Do not point the Sensor upward. Always aim it level or slightly downward. (figure 9)
Do not mount it where sprinklers spray directly into the front of the Sensor.

10 Mounting and Aiming

10.1 Recommended Height

- Small animals: mount about 2–4 feet above ground
- People and vehicles: mount about 6–10 feet above ground, angled slightly downward

10.2 Mounting Direction

Make sure the back bracket is on top when you attach the Sensor.

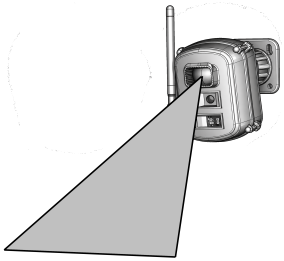


Figure 9: Mount the Sensor level or slightly downward.

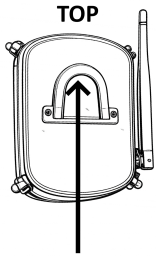


Figure 10: The back bracket should be on top.

10.3 Best Placement Tips

- Keep the antenna vertical for best range
- Aim across the driveway or path when possible, not straight at approaching motion
- Avoid aiming at moving tree branches
- Avoid direct sunlight hitting the front of the Sensor
- Keep the Sensor away from heavy metal objects that can block the signal
- Test the Sensor before final mounting

Before Final Mounting

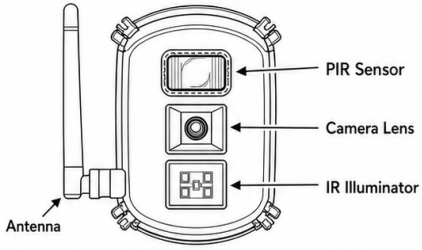
Confirm that the Sensor is paired, images are arriving at the Hub, the antenna is vertical, and the viewing area is correct.

11 How Detection Works

The Sensor uses motion detection to wake up, capture an image, and check what type of object caused the event. The Hub alerts you only according to the target types and settings you choose.

3.4 Detection Zones

The PIR (passive infrared) sensor detects motion from people, animals, and other warm objects moving through its detection field. Proper mounting height and angle are essential for reliable detection.



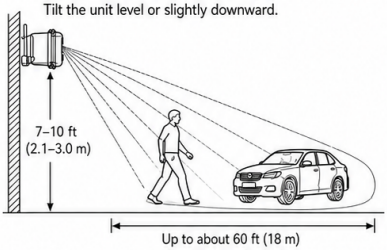
IMPORTANT

- Do not mount or aim the PIR upward. Water may enter the unit.
- Best detection occurs when targets move across the detection field side-to-side, not straight toward the sensor.
- Use the gimbal to fine-tune the coverage area.

Mounting Height Guide

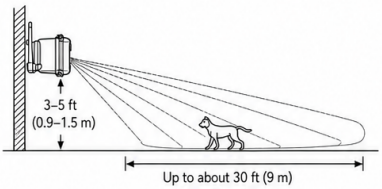
People & Vehicles

Mount 7–10 ft (2.1–3.0 m) above ground.
Tilt the unit level or slightly downward.



Small Animals

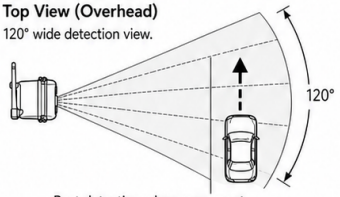
Mount 3–5 ft (0.9–1.5 m) above ground.
Tilt the unit level or slightly downward.



Detection Pattern

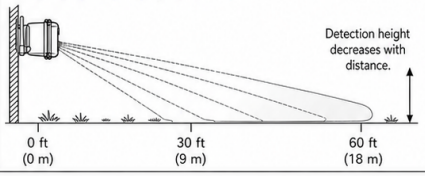
Top View (Overhead)

120° wide detection view.



Side View (Profile)

Tilt the unit level or slightly downward.
The detection field slopes downward.



TIPS

- Clear any tall grass, bushes, or objects in front of the sensor.
- Aim across paths, driveways, or areas of interest so targets move through the field.
- Walk-test during setup and adjust the angle to cover the desired area.

12 Trail Camera Use

You can use the Sensor as an isolated capture camera. Set it to the desired target using the Hub, for example 4-legged animals, and mount it at the appropriate height. For smaller animals, mount it lower. For larger animals, mount it higher. When you return within range with the Hub in hand, trigger the Sensor to wake it. It will deliver up to 100 stored images to the Hub.

13 Battery Life

The Sensor is designed for very long battery life: up to 5–7 years on high-quality C-cell alkaline batteries under normal use, depending on how often it is triggered. In general, in normal operating temperatures, using high quality batteries such as Energizer Max or Duracell Ultra, the Sensor can last for up to 10 years with minimal user (low traffic area) and up to 5 years with up to 10 image sends per day.

14 Range

The Reporter system is certified to have up to 1000 Meters (0.75 miles) of open line of sight range. For the strongest wireless connection:

- Keep both antennas vertical
- Keep the Hub and Sensor away from Wi-Fi routers when possible
- Move the Hub or Sensor a few inches if the signal is weak
- Use line-of-sight whenever possible
- Avoid placing the Hub behind large metal objects or appliances

Antenna Orientation Matters

It is very important to orient both antennae vertical. If one is tilted, the range of the system may become degraded.

15 Sensor LED Test Feature

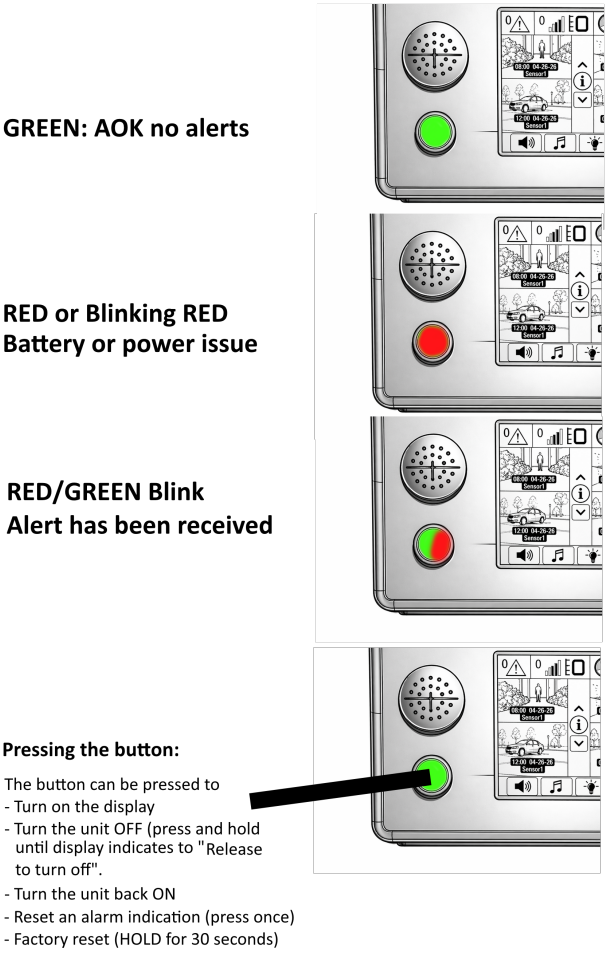
You can make the light on the front of the Sensor blink when it detects motion. This is helpful while testing.

Turn this feature off after testing so the light on the sensor does not blink at night (this way no one can detect the sensor). On the Hub, tap the light bulb icon. NOTE: It will take one trigger cycle for this to take effect.

16 Hub and Controls

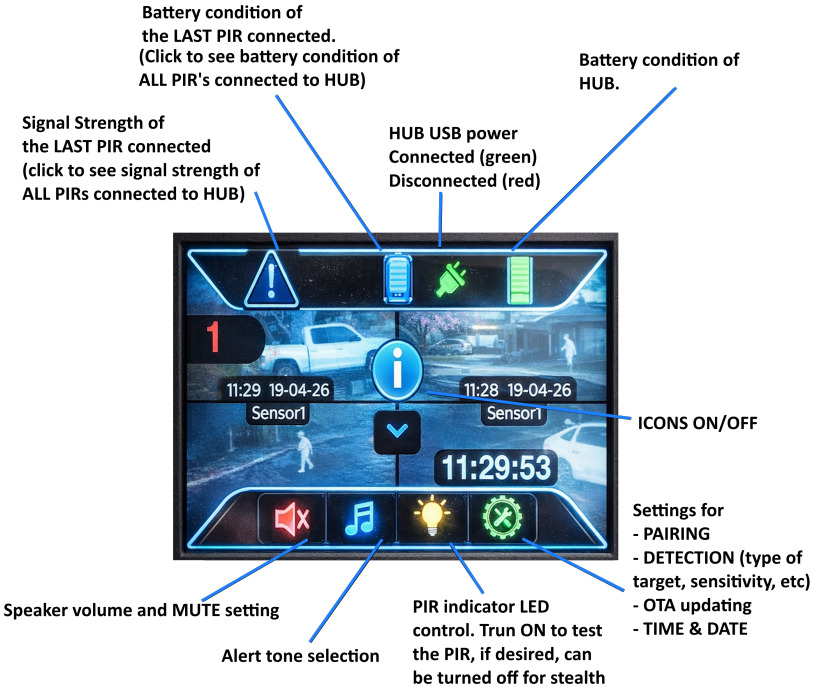
16.1 The Hub Button

The button on the Hub shows status and lets you control basic functions.



16.2 What the Icons Mean

Tap the information icon ⓘ to see the icons. They disappear after a few seconds.



17 Detect Settings

The Detect page lets you choose what each Sensor should watch for. Go to **Settings** → **Detect**.

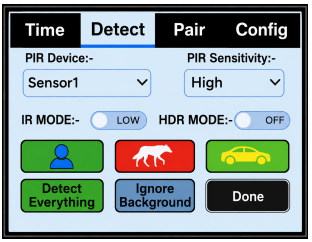


Figure 11: Detect settings page for one Sensor.

17.1 How to Use the Detect Page

1. Select the Sensor you want to change from the dropdown at the top left.
2. Choose which targets should create alerts: Human, Animal, and/or Vehicle.
3. Adjust sensitivity and other options.
4. Tap **Done** to save.

17.2 Target Buttons Explained

- **Green** = Alert for this type
- **Gray** = Ignore this type
- **Red** = Specifically exclude a type when Detect Everything is ON. Press the target button (eg Animal) twice to get the RED color

17.3 Detect Everything

Turn this on if you want the sensor to react to all and any motion, not only people, animals, or vehicles. You can still exclude certain types by making them red.

When to Use Detect Everything

Use this mode when you do not want to miss any activity, such as in a driveway, gate area, or during testing.

17.4 Other Settings

- **PIR Sensitivity**: Use High if motion is missed at longer distance. Use Low if you get too many alerts outside your protection zone. Start with High.
- **Ignore Background**: Helps reduce alerts from wind moving trees or grass. This patent-pending feature lets the system ignore things like parked cars in the detection zone. There are 3 settings: Low, Medium, and High. Start with OFF.
- **IR Mode**: Use High for larger or darker areas at night. Start with LOW.

18 Viewing Images

Tap any thumbnail to open the full image. Press and hold on the image to zoom in. There's 5 zones of zoom, center, and 4 corners.

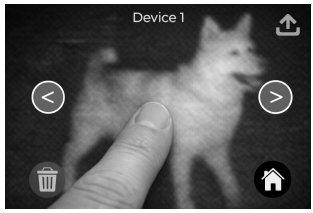


Figure 12: Press and hold to zoom into part of an image.

Daytime images may have a red tint on grass and trees. This is normal for this camera type. Night images are black-and-white infrared.



19 Night Vision and Image Quality

The camera takes images in complete darkness using infrared light. Due to the fact that this is a battery operated system, the infra red illumination is limited in range. Night images are black and white and are intended for identification, not high-detail photography.



Figure 13: Typical night image.

20 Downloading Images From the Hub

You can transfer saved images to your phone or computer using the Hub's temporary Wi-Fi.

1. Put your phone in **Airplane Mode**.
2. Turn Wi-Fi back on while staying in Airplane Mode.
3. Open a saved image on the Hub and tap the upload icon .

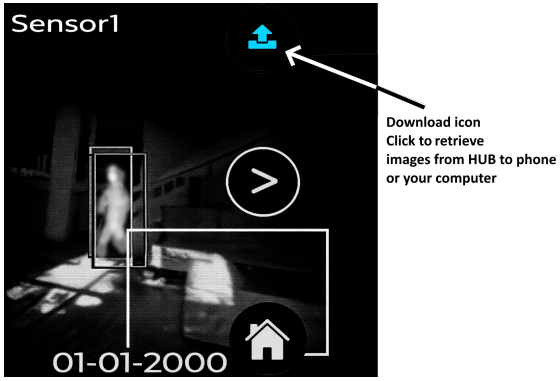


Figure 14: Tap the upload icon.

4. Scan the first QR code with your phone camera to connect to the Hub's Wi-Fi.
5. Scan the second QR code to open the image gallery.
6. Save the images you want.



Figure 15: First QR code: connect to Hub Wi-Fi.

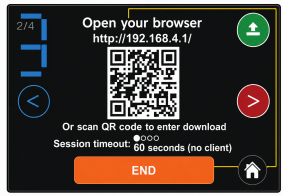


Figure 16: Second QR code: open the gallery.

21 App Alerts

You can set the system to notify you when the Sensor sends an image alert. This requires the Hub to be within range of your Wi-Fi router, and you must download the Reporter App from the App Store or Play Store.

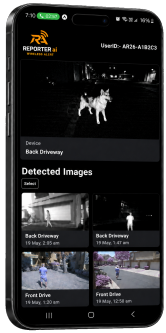
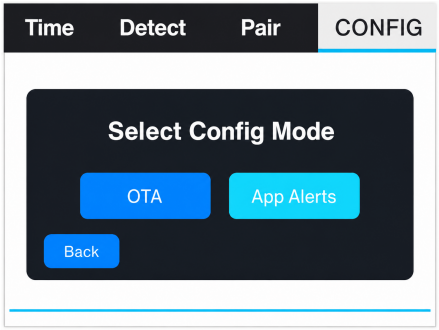


Figure 17: Install the Reporter App to receive App Alerts.

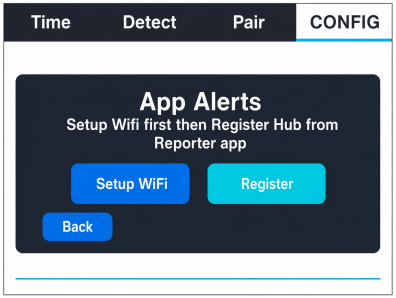
21.1 Register the Hub for App Alerts

1. go to https://summongear.com/QR or scan this QR code to download the Reporter App from Play Store or App Store.

2. On the Hub home screen, tap the information icon , then tap the settings icon .
3. tap CONFIG, then tap App Alerts



4. Tap "Setup WiFi," "Turn On," and wait for the Hub to scan for close routers.
5. from dropdown, select your Wi-Fi router and tap "Enter".
6. Enter your password and tap "Connect" The Hub will check if you entered credentials correctly.
7. You can now tap "Test" to see if the cloud server is connected, or tap "Close"
8. Tap Register



9. From the drop down menu, choose how quickly you'd like to be notified. (Instant means as soon as motion is alerted, Hub switches to WIFI and sends the notice. You can set a delay of 10 seconds or 30 seconds, so that the Hub can receive additional alerts for the event being captured, and does not miss them.)



10. Open the Reporter-Ai App on your mobile and tap the ⊕ on the top right to add a Hub. scan the QR code on the Hub with your mobile. That binds the Hub to your app. You can monitor multiple Hub units with the same mobile APP.

22 Software Updates

Software updates are optional and require Wi-Fi. NOTE: Sensors update after a trigger. To check for updates:

1. On the Hub home screen, tap the information icon ⓘ, then tap the settings icon ⚙.
2. Tap CONFIG and select OTA
3. Tap Turn on Wi-Fi and connect to your home network.
4. Check for updates and install if available.
5. Do not turn off the Hub during the update.

23 Factory Restore

Only use Factory Restore if you want to erase all images and settings and start fresh.

Go to **Config → OTA**, then tap **FACTORY RESTORE**.

Important

Factory Restore deletes all saved images and settings. Use it only when necessary.

24 Troubleshooting

24.1 No images Arriving

- Make sure the sensor is paired to the Hub (See Section 7).
- Make sure the batteries are installed correctly (See figure 1).
- Check the signal strength on the Hub by tapping the signal icon.
- Keep both antennas vertical.
- Move the Hub or Sensor slightly to improve signal.

24.2 Pairing Does Not Work

- Keep the Sensor within 3 feet of the Hub.
- Make sure Pair Mode is active and the Pair Mode button is green. (See Section 7).
- Trigger the sensor within 60 seconds of putting Hub in PAIR MODE.
- Make sure the sensor batteries are installed correctly.

24.3 Daytime Images Look Red

This is normal for the infrared-capable camera. Grass and leaves often appear reddish in daytime images.

24.4 No Sound

Make sure the **speaker icon** on the home page is not muted. Try a different alert tone. If needed, remove power and batteries from the Hub, then reconnect.

24.5 Cannot Download Images

Put your phone in Airplane Mode. Turn Wi-Fi back on. Reconnect to the Hub Wi-Fi if needed. Make sure you scan both QR codes.

24.6 Too Many Alerts

- Lower the PIR Sensitivity setting on the Detect page.
- Increase Ignore Background setting on the Detect page.
- Aim the Sensor away from moving trees, bushes, or direct sun-

light.

- Make sure the sensor is level or slightly downward.

24.7 Missed Alerts

- Increase PIR Sensitivity on the Detect page of the Hub.
- Check that the target type is enabled in Detect Settings.
- Aim the Sensor across the path of motion when possible.
- Check battery level and signal strength.

25 Important Notes

- Use high-quality alkaline C-cell batteries for the Sensor in normal weather.
- Use lithium 1.5V C-cell batteries in very cold temperatures.
- Keep antennas vertical for best range.
- The Sensor is weather-resistant, but avoid direct sprinkler spray into the front.
- Do not interrupt software updates.
- Red tint in daytime images is normal.
- When using App Alerts, our server retains the image only until you receive it on your mobile device. Nothing is retained.

26 Limited Warranty

One-Year Limited Warranty

Reporter AI Wireless Alert products are warranted to the original purchaser to be free from defects in materials and workmanship for one (1) year from the date of purchase.

We will repair or replace defective products at our discretion. Contact via our contact page at https://SummonGear.com and have your purchase invoice available.

What This Warranty Does Not Cover

Damage from misuse, improper installation, wrong batteries, water damage beyond normal weather exposure, physical damage, or unauthorized repair is not covered.

Battery-related damage is specifically excluded.

27 Recycling and Battery Disposal

Remove batteries before disposing of the product. Recycle electronics and batteries according to local rules.

28 Battery Safety

Use only recommended battery types. Do not mix old and new batteries. Remove batteries if storing the product for a long time. Keep batteries away from children.

29 Regulatory Compliance

This device contains a pre-certified modular transmitter.

Contains FCC ID: 2AC7Z-ESPS3WROOM1U

Contains IC: 21098-ESPS3WROOM1U








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Created, Designed, programmed and assembled in the USA with domestic and foreign components.