



BARN OWL

RangeCam Live

INSTRUCTION MANUAL

VERSION 2.0 | AUGUST 2025

WWW.BARNOWL.TECH

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WHAT'S IN THE BUNDLE

NOTE: Solar charging accessories may vary depending on your solar panel model.



RangeCam Live



Antenna



Solar Panel



**USB Cable
(Solar Panel Charging)**



**AC Adapter
(Powers Camera via
Wall Outlet Only)**



2 x Mounts



**2 x Mounting
Straps**



**SIM Card
(Pre-installed)**



**32 GB Memory Card
(Pre-installed)**



**12V Solar Camera
Cables (5ft & 10ft)**

REGISTER & ACTIVATE YOUR CAMERA

Quick Setup:

1. Scan this QR code with your smartphone's camera app.
2. Click the link that appears on screen to register your Barn Owl HQ account.
3. Enter your details and select your preferred Billing Plan.

SCAN QR CODE HERE


OR

SCAN THE QR CODE
FOUND ON YOUR BOX
OR CAMERA BODY



app.barnowl.tech/register





BARN OWL HQ

Find Purchase

Enter the purchase order number from your confirmation email to find and activate your cameras.

Email Used for Purchase ?

Purchase Order Number ?

[Skip for Now](#) [Lookup](#)

Quick Setup (continued):

4. Enter your Purchase Email and Order Number to add your cameras to your Barn Owl HQ account and click Lookup. **Note: For in-store purchases, skip this step, and scan the QR code on your camera or camera packaging after registration.**

5. Select and name the cameras you would like to activate.

NOTE: If your cameras are not automatically added via the Purchase Email or Order number, see our Troubleshooting steps at the end of this guide.

BEFORE YOU DEPLOY

Charge Your Solar Panel

Charge for 8-10 hours with USB Cable via 5V IN Port.

Note: The included power adapter is for powering the camera through a standard wall outlet. **DO NOT** use it to charge the solar panel.



Connecting Your Solar Panel

Connect Solar Panel to Camera via 12V OUT Port.

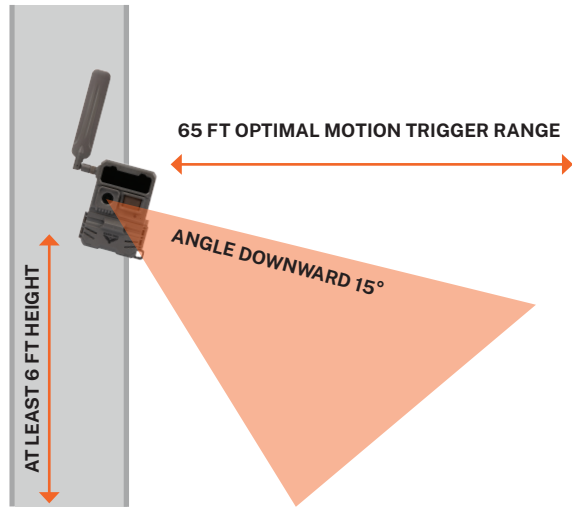


CAMERA PLACEMENT AND FIELD DEPLOYMENT

Height: Mount your camera 6 feet or higher above the ground.

Tilt: Tilt your camera slightly downward. A 15-degree tilt helps capture more infrared light at night, improving your nighttime photos.

Motion: Your RangeCam Live features a motion trigger range of up to 90 feet under ideal conditions. For the most reliable performance and optimal results, position the camera to capture subjects within 65 feet. Remember, your device triggers on movement, so swaying plants can cause unwanted images. Avoid any tree branches or brush directly in front of the camera lens.



Capturing Vehicles:

Instead of a head-on or parallel view, angle your camera towards the road at about 45 degrees. This increases the time a vehicle spends in front of the lens, giving you the best shot at capturing those license plates!

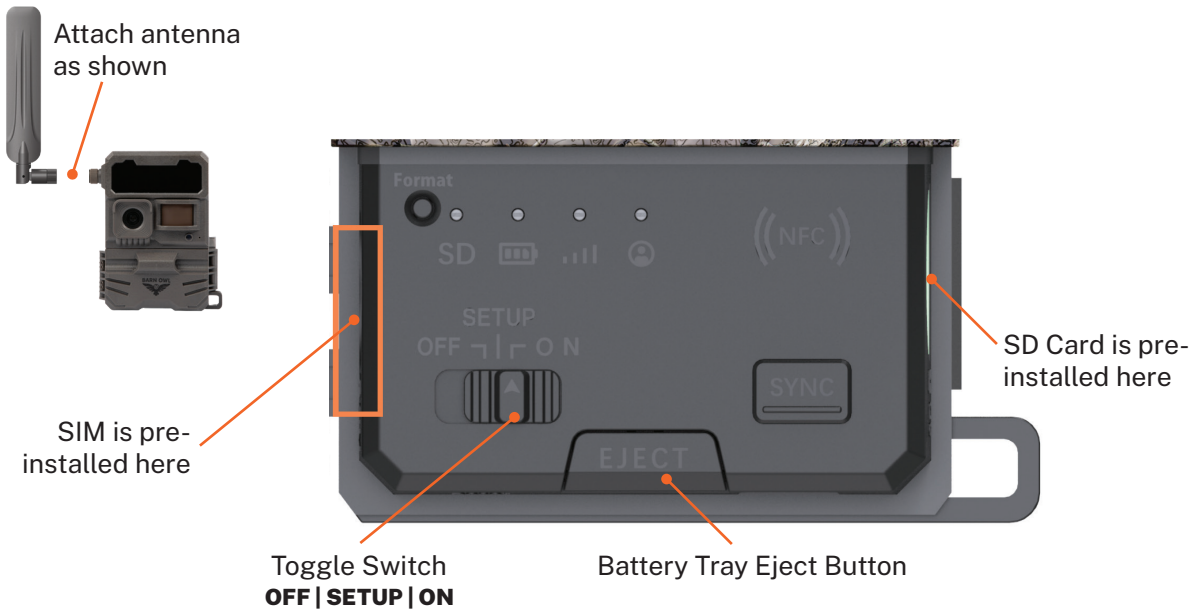


ASSEMBLE & DEPLOY

Steps:

1. Attach the antenna.
2. Set Toggle Switch to “ON”.
3. The Camera will take 1 minute to connect and begin transmitting motion triggered photos.
4. Verify that photos are transmitting to your Barn Owl HQ account. Trigger a motion photo by waving your hand in front of the lens or request an On-Demand image.

NOTE: To test the camera indoors, connect it to a power outlet using the included AC adapter.



BARN OWL HQ USER GUIDE

Camera Settings:

Your camera settings determine how and when photos are taken. Click the 3 dots on your camera to update settings—pictured on the right. Barn Owl cameras can capture images via motion, on a schedule, or on-demand. For the best experience, we recommend updating settings via Barn Owl HQ and not on the camera body.



Select **Main Menu** to check billing and account details.

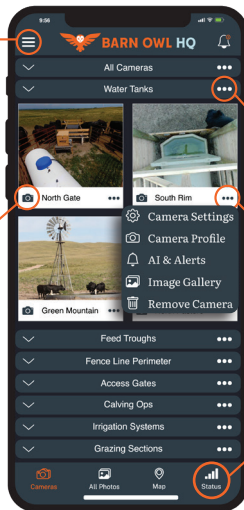


On-Demand Image

Click the camera icon below an image to trigger your camera on-demand.

Note:

Barn Owl will receive the image in about 10 seconds.



Access **group options** by selecting the three dots in the camera group label.



Access **camera settings and AI & alerts** by selecting the three dots below.



Status


Check camera status, signal, and battery life.

RECOMMENDED SETTINGS

Security

We recommend using our settings on the right for Security. The camera will trigger on motion and alert you of any activity on your location. Consider increasing the Photo Size to HD or HD+ to clearly read license plates and identify trespassers.





Camera Settings

✓ How is the camera triggered?

Motion Detection Settings

Motion Trigger

On

?

Sensitivity

Medium

?

Delay Between Triggers

None

?

✓ What does the camera transmit?

Transmit

Photos Only

?

Image Resolution

SD


?

Monitoring

The settings on the right are ideal for monitoring tanks, water levels, gauges, or other stationary objects that don't require motion triggering.

In this example the camera will automatically send a picture every 3 hours between the hours of 8:00 AM and 2:00PM.





Camera Settings

▼

How is the camera triggered?

Motion Detection Settings

Motion TriggerOff?

Auto Capture Schedule

Choose an interval to automatically receive pictures or videos, regardless of motion. Ideal for monitoring tanks, gauges, or other stationary objects.

Capture ScheduleEvery 3 hours?

Camera Operating Hours

Choose how often the camera should capture photos or videos, or turn off automatic capture.

Operating HoursActive during certain hours?

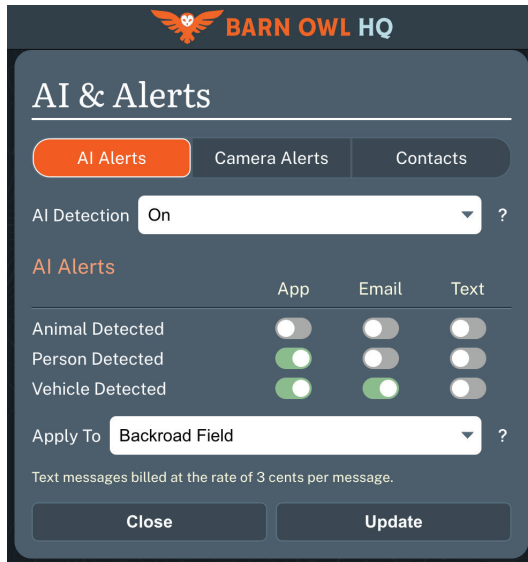
Start08:00 AM⌚End02:00 PM⌚?

AI & Alerts

Barn Owl's AI Detection is capable of identifying animals, people, and vehicles and immediately alerting you.

You'll always know what's going on on your property based on your preferences.

The pictured example is best for security cases and will only alert you when People or Vehicles are detected on your property.



The screenshot shows the 'AI & Alerts' settings page for 'BARN OWL HQ'. At the top, there are three tabs: 'AI Alerts' (selected), 'Camera Alerts', and 'Contacts'. Below the tabs, the 'AI Detection' toggle is set to 'On'. Under the 'AI Alerts' section, there is a table of settings for three detection types: 'Animal Detected', 'Person Detected', and 'Vehicle Detected'. Each type has three columns for notification methods: 'App', 'Email', and 'Text'. The 'Person Detected' and 'Vehicle Detected' rows have their 'App' and 'Email' toggles turned on, while 'Animal Detected' has all toggles off. At the bottom, there is an 'Apply To' dropdown menu set to 'Backroad Field'. A note states 'Text messages billed at the rate of 3 cents per message.' and there are 'Close' and 'Update' buttons at the very bottom.

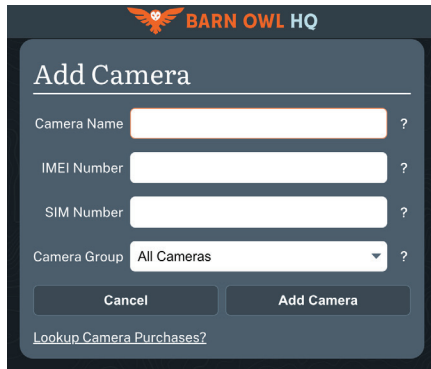
	App	Email	Text
Animal Detected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person Detected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicle Detected	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

TROUBLESHOOTING

1. **Adding cameras:** If Barn Owl HQ is not able to automatically add your camera, then they can be manually added via the following methods:

a. Scan your camera's QR code, located on the box or on the camera, with your smartphone camera. Then, click the link that appears on your screen. This will automatically add your camera to Barn Owl HQ.

b. Manually add your camera by entering the IMEI located on the QR Sticker and SIM # printed on the card.



The screenshot shows the 'BARN OWL HQ' logo at the top. Below it is a form titled 'Add Camera'. The form contains four input fields: 'Camera Name', 'IMEI Number', 'SIM Number', and 'Camera Group' (a dropdown menu currently set to 'All Cameras'). Each field has a question mark icon to its right. At the bottom of the form are two buttons: 'Cancel' and 'Add Camera'. Below the buttons is a link that says 'Lookup Camera Purchases?'.



IMEI Number



SIM Card Number

2. My camera isn't transmitting: Double-check that all antennas, cards, batteries, etc. have been installed in the unit. Then, quickly power cycle the unit by placing the Toggle Switch in the OFF position for 30 seconds and follow the steps below.

Step 1: Set Toggle Switch to “Setup”.

Step 2: Wait 1 minute until all indicator lights turn green.

Step 3: Press the SYNC button to send a test photo. The image will appear in your account in a few seconds.

Step 4: Set Toggle Switch to the “ON” position.



NOTE: The Battery or Signal LEDs may turn yellow or red due to low power or weak signal. The camera can still transmit with weak signal — verify image delivery in your Barn Owl HQ account.



NEED HELP?

Contact us anytime:

Text: 720-738-7067

Call: 720-594-3649

Email: support@barnowl.tech

Online: www.barnowl.tech

Hours:

9am-6pm EST

Monday-Friday



**BARN OWL
HELP CENTER**