

OcuTrap R2

Quick Start Guide



Read this before first use.

Full guide and videos: docs.ocutrap.com

App: app.ocutrap.com

Scan to set up



docs.ocutrap.com

Support: support@ocutrap.com

Set up your R2

The R2 ships with the door and motor installed.

In the box

- Cage with door and motor
- POD (camera, sensor, electronics)
- Battery (5,200 mAh) and charger
- This guide

Missing or damaged? Stop and email support@ocutrap.com with your Trap ID.

1 Charge the battery.

Use the included charger until its light turns green. About 5 to 6 hours.



The charger light turns green when the pack is full

2 Cut the motor zip tie.

The motor is tied to the cage for shipping. Cut the tie only, never a wire. Keep fingers clear of the door. It can swing once the tie is cut.

Mount the POD

3 Mount the POD.

Slide it down the rails on the back of the cage. Snap the top clip. Screw the motor cable into the locking connector on the POD.



The POD



Snap the top clip

4 Insert the battery.

Open the POD latch, seat the battery in the bottom bracket, push the yellow connectors straight in, tuck the cables clear of the door, close the latch fully.

5 Power on.

Press the Power button. Breathing cyan means connected. First cellular connection can take up to 10 minutes.

Add the trap and arm it

6 Add the trap in the app.

Go to app.ocutrap.com (or the mobile app), sign in, choose Add trap, and enter the Trap ID from the sticker on the cage and the Device ID from the sticker inside the POD. Pick Monthly or Annual. Your 30-day free trial starts when you set up billing.

Where the IDs are

The **Trap ID** is on the sticker on the cage. The **Device ID** is on the sticker inside the POD.

7 Place it and arm it.

Level ground, door facing the animal's path, bait behind the sensor line. Open the door, then set the arm mode to Armed in the app.

Open the app



app.ocutrap.com

Bait it, then arm it

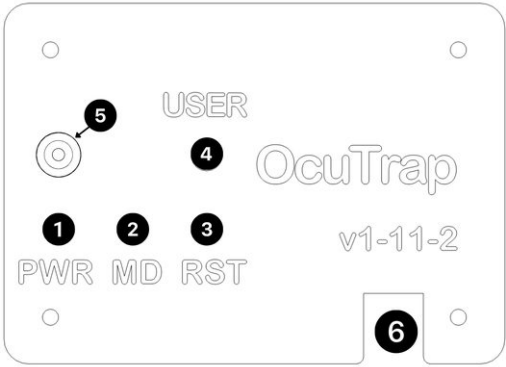
Arming is blocked while something sits in the capture zone. If the light goes solid red for 2 seconds when you arm, clear the zone or clean the sensor window and try again.

Buttons on the POD

The Power button is on the left. The User button is on the right.

Action	Steps	Light
Check status	Press User once	Shows the state color for 5 seconds
Open or close the door	Press User once, then within 5 seconds press and hold User	Blue flashes while opening, green while closing
Arm	Press User once, then within 5 seconds press Power once	Yellow flashes, then yellow
Unarm	Same as Arm	White flashes, then white
Power off	Hold Power about 3 seconds	Red flashes, then solid red, then off

Label	Button
1	Power
2	Mode
3	Reset
4	User
5	LED Indicator
6	Battery Port



The POD control panel

Every button press also works in the app

Open, close, arm, and unarm all work from app.ocutrap.com and from the mobile app. Use the buttons when you are standing at the trap.

Status light

On battery the light stays dark between short flashes. That is normal.

Light	Meaning
Breathing cyan	Connected to the cloud (on external power)
Blinking green	Searching for cellular
Blue flash every 10 s	Unarmed, door open
Green flash every 10 s	Unarmed, door closed
Yellow flash every 3 s	Armed
Yellow and blue alternating	Scouting
Magenta flash every 3 s	Animal captured
Blinking magenta (steady)	Firmware update, leave powered on
Solid red for 2 s after arming	Arming blocked: clear the capture zone or clean the sensor window
Solid red, staying on	Battery critically low or trap shut down
No light at all	Off, hibernating, or failed boot

After a capture

The door stays closed until you open it. The trap never releases on its own. In the app, tap Open to release. This also returns the trap to Unarmed.

Keep hands clear of the door. It closes in about 0.75 seconds and can pinch.

Battery, weather, care

Battery

5,200 mAh pack (R2 default). Low alert at 20%, critical at 10%, auto power-off at 9.6 V. Charge at room temperature. Runtime is about 3 weeks on the 5,200 mAh pack and 40 days or more on the 10,000 mAh pack.

Weather

Rated 0 °C to 40 °C (32 °F to 104 °F). Do not submerge. In freezing weather the door can ice. Check it before arming.

Care after every capture and after harsh weather

- Wipe the camera and sensor window with a soft lint-free cloth.
- Wipe the exterior.
- Clear debris from the door track.
- Check the battery terminals.
- Test open and close.

Power off and unplug the battery before any maintenance.

Hold Power about 3 seconds, wait for the light to go out, then disconnect the yellow connectors.

Something not right?

Troubleshooting and videos are at **docs.ocutrap.com**. Still stuck? Email **support@ocutrap.com** with your Trap ID and what the status light is doing.

Safety, compliance, warranty

Pinch hazard. Keep hands, fingers, and face out of the door path at all times. Keep children and pets away from an armed trap.

Safety

Power off before maintenance. Wear gloves when handling a captured animal. Do not touch the animal. Release it as soon as possible and follow local wildlife law. Battery: use only the included charger, do not expose it to fire, water, or heat, do not puncture or short the terminals, and dispose of it per local rules.

Use restrictions

Do not use OcuTrap as a substitute for life safety or medical devices, for medical monitoring or life-sustaining applications, or in any way that breaks federal, state, local, or administrative law, including wildlife, animal welfare, health and safety, data privacy, and security law. Do not use it for criminal or illegal activity. Do not place it near life safety devices, medical monitoring equipment, or other sensitive devices it could interfere with. OcuTrap is not responsible for injury during use.

FCC compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC ID: 2AEMI-B404X

Changes or modifications not expressly approved by Particle Industries, Inc. could void the user's authority to operate the equipment. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To maintain compliance, install and operate this device with a minimum distance of 20 centimeters between the radiator and your body.

Laser safety

Class 1 laser product per IEC 60825-1:2014. Do not increase the laser output power by any means and do not use any optics to focus the laser beam.

Warranty

12-month limited hardware warranty from the original purchase date. Full terms: ocutrap.com/pages/warranty