

OcuTrap R1

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

ABOUT 30 MINUTES

Set up your R1

The R1 ships as a kit. Assembly takes about 30 minutes with the included nut driver.

In the box

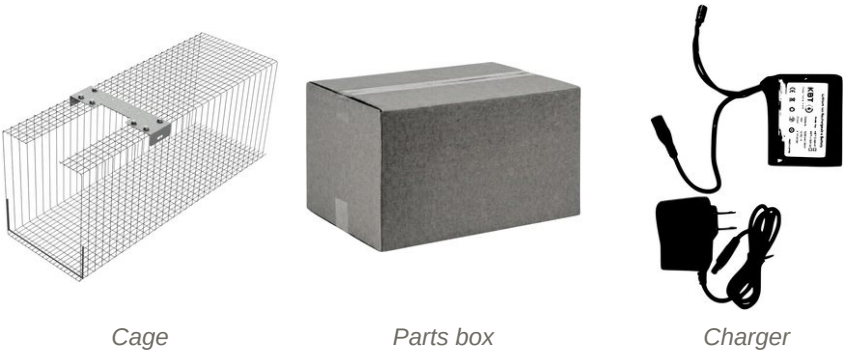
- Cage
- Parts box: door, rod, brackets, motor, handle kit, POD, battery (10,000 mAh in the US), charger, nut driver, nut assembly tool

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. Start it now so the pack is ready when assembly is done.



Assembly order

Door	Motor	Handle	POD
page 3	page 4	page 4	page 5

Follow the sections in order. Full assembly videos are at docs.ocutrap.com.

1. Door

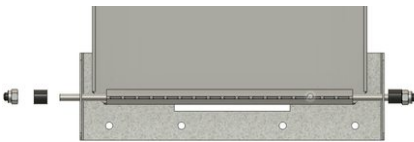
Step 1: Components needed for setup

Door: 2x brackets (top locking mechanism), 2x black spacers, 2x black capped nuts, 1x metal door, 1x 12" rod, 1x nut driver, 1x nut assembly tool

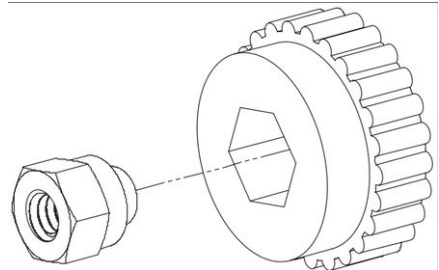
Motor: 1x motor, 2x pins, 2x clevises

Step 2: Set up the door mechanism

- 1 Align the metal door inside the trap.
- 2 Thread the metal rod through the oval slot in the metal bracket attached to the top of the solid metal trap door.
- 3 On each end of the rod, place a black spacer, then secure it with a black capped nut on both sides. Use the nut assembly tool and the nut driver on each end to tighten the nut until snug.



Rod, spacers, and capped nuts



Nut assembly tool

Hardware note

Some assembly videos show an earlier door rod with white washers and springs. Current R1 units ship with **black spacers and black capped nuts**. Follow the written steps here, which match the parts in your box.

2. Motor and handle

Step 3: Set up the motor

- 1 Install the top bracket with washers and bolts. Tighten with the nut driver.
- 2 Use the pins and clevises to secure the motor to the door at both the top and bottom attachment points.
- 3 Feed the cable through the metal handle.
- 4 Verify that all components are securely fastened.
- 5 Check that the door moves smoothly and is properly aligned.

Handle: gather your components

4x 3" bolt, 1x handle guard, 1x tube, 4x washers, 2x top handle metal bracket, 2x upper tube plastic spacer, 2x lower tube plastic handle spacer, 2x internal trap bracket with press-fit nut, 1x nut driver

Handle: screw in the handle

- 1 Center the handle guard on the trap.
- 2 Insert the two top handle pieces into the holes in the handle guard.
- 3 Slide the tube between the two handle guards and make sure it is centered.
- 4 Place the bracket (with the press-fit nut) inside the trap and hand-tighten the bolts.

Do not fully tighten the bolts until the motor connector is fully through the tube.

3. POD, power, app

1 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. Now fully tighten all the bolts, including the handle bolts you hand-tightened earlier.

2 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.

US R1 units ship with the 10,000 mAh pack. In the app, set **Battery Type** to the pack you have so the low-battery alerts are right.

3 Power on.

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

4 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.

5 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.

Buttons and lights

Buttons on the POD

Power button on the left, User button 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

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

Battery, weather, care

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

US R1 units ship with the 10,000 mAh pack; some R1 units have the 5,200 mAh pack. In the app, set Battery Type to the pack you have so the low-battery alerts are right. Low alert at 20%, critical at 10%, auto power-off at 9.6 V. Charge at room temperature. Runtime is 40 days or more on the 10,000 mAh pack, about 3 weeks on the 5,200 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