



## COX GNLR1 Cellular Tracker User Manual

[Home](#) » [Cox](#) » COX GNLR1 Cellular Tracker User Manual 

COX GNLR1 Cellular Tracker



## Contents

- [1 Introduction](#)
- [2 Hardware Specification](#)
- [3 Operation](#)
- [4 Installation](#)
- [5 Federal Communication Commission Statement \(FCC, U.S.\)](#)
- [6 Documents / Resources](#)
  - [6.1 References](#)

## Introduction

### Purpose

The multi-purpose Cellular Tracker GNLR1 is designed for outdoor asset tracking and industrial purposes. Batteries are replaceable and the device is designed to operate from many years. The sensor includes a three axis accelerometer which is used to optimize different asset tracking applications for response time and battery lifetime. The sensor also includes many unique GPS acquisition and geo-fencing features for optimal battery lifetime and response time. Bluetooth feature is added to aid GPS acquisition and a buzzer to alert users.

## Hardware Specification

### General Specification

LTE radio	Bands 2, 4, 12, 13
GPS radio	GPS and GLONASS
Bluetooth radio	Bluetooth 5
LED	Single Green indicator
Temperature range	-20 to 70 C
Environmental rating	IP67
Dimensions	100.5mm x 56mm x 31.5mm , 140g $\pm$ 10g
Sensor	Accelerometer Magnetic Sensing
Rugged Design	-20 to 70 C Physically and thermally durable plastic outer shell
Physical Security	Mounting tabs to support multiple installation techniques
Battery type	2 * Lithium Rechargeable
Certification	FCC ID: 2AV5ZGNLR1 IC ID: 26096-GNLR1
Additional Features	Buzzer



## Operation

### Flight Mode

When industrial trackers leave the factory, they are put into sleep mode, where the sensor is hibernating without functionality to prevent radio activity and minimize battery usage. Devices are delivered in this mode. G Sensor will not be ready to receive commands though it has not been disabled. When the device detects a proprietary Bluetooth signal, the device shall exit shipping mode and enter default mode.

### **Normal Mode**

This mode is active when the device is in normal operating mode. When the device detects a magnetic tap, the green LED shall flash according to remaining battery voltage. For example, 4 times within 800ms for full battery, or once if a low battery condition is detected. After motion, the device will turn on GPS acquisition once it remains at rest for 45 seconds. Position updates then will be sent to the network.

### **Installation**

#### **Usage**

Sturdy design to endure the weather with an enclosure of IP67 rating and plastic withstanding temperatures ranging from -20°C ~ +70°C ambient.

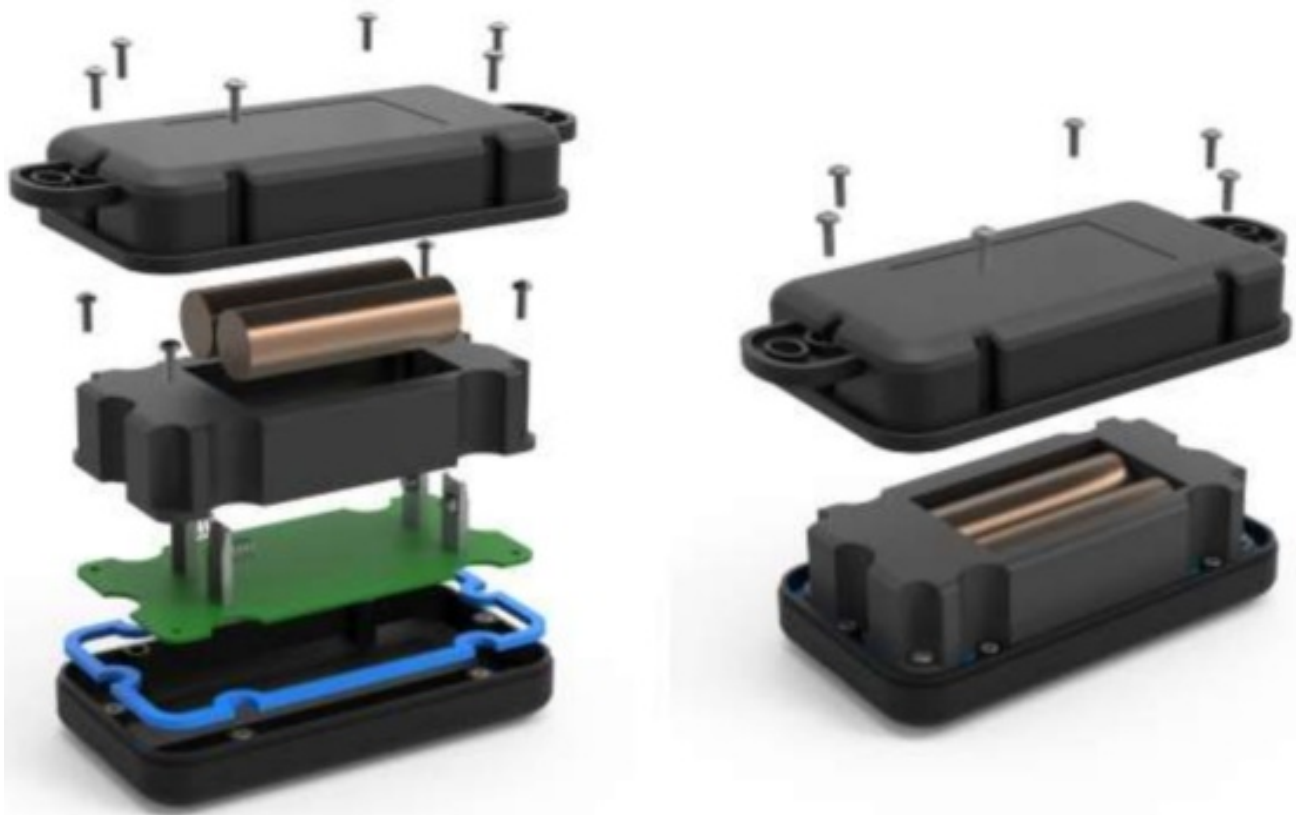
Two tabs on the side for numerous ways to secure, such as tying to the rear mirror and the steering wheel.

#### **Battery Replacement**

Remove the bottom cover of the tracker.

Replace both batteries and use only ER14505.

Do not mix used and fresh batteries.



### **Federal Communication Commission Statement (FCC, U.S.)**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed

and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in an installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**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.

### **Radiation Exposure Statement**

This device complies with RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.  
This device must operate with a minimum distance of 20 cm between the radiator and user body.

### **FCC Caution:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### **IC WARNING**

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:


1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

### **Radiation Exposure Statement:**

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Revision	Date	Description
1.0	February 29th, 2024	1st Release



	<a href="#">COX GNLR1 Cellular Tracker</a> [pdf] User Manual 2AV5ZGNLR1, gnlr1, GNLR1 Cellular Tracker, GNLR1, Cellular Tracker, Tracker
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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