

GES100CG User Manual

GSM/GPRS/LTE Cat1 GNSS Tracker

TRACGES100CGUM001

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0. Revision History

Version	Date	Author	Description of Change
1.00	2025-05-28	Nancy Yin	1. Initial.

1. Introduction

The GES100CG is an LTE/2G bolt designed for full monitoring scenarios such as containers, its single-use design ensures that it cannot be tampered with throughout the tracking process. The ISO17712-compliant, IP67 compliant housing design ensures that the GES100CG can be used properly on shipping containers. After the lock is inserted and the device is powered on, the device can last for three months at a reporting frequency of two reports per day. Anti-tamper detection allows the device to immediately trigger an alarm and switch the reporting frequency when clipped.

1.1. GES100CG Product

Table 1: GES100CG Product

Model No.	Technology	Operating Band (MHz)
GES100CG	LTE CAT1/GSM	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 GSM: 850/900/1800/1900 MHz

1.2. Reference

Table 2: GES100CG Protocol Reference

SN	Document Name	Remark
[1]	GES100CG @Track Air Interface Protocol	The air protocol interface between GES100CG and the backend server.

2. Get Started

2.1. Appearance



Figure 1: Appearance of GES100CG

2.2. Parts List

Table 3: Parts List

Name	Picture
GES100CG Locator	
Lock Cap	
Packing Box	

2.3. Turn on

Align the lock cap device. Press both the upper and lower sides simultaneously.

Note: After the device is locked, a vibration will occur after 3 seconds, indicating successful startup.



Figure 2: Installation of GES100CG

2.4. Installation Direction

The magnetic surface is attached to the container, with the other side facing outward.



3. Safety Information

3.1. Safety Information

- Please do not disassemble the device by yourself.
- Please do not put the device on overheated or too humid place, and avoid exposure to direct sunlight. Too high temperature will damage the device or even cause battery explosion.
- Please do not use the device on the airplane or near medical equipment.

FCC regulatory conformance:

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.

NOTE: 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 a particular 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 or more 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

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.