GL501MG GL501MG_T GL501MG_S User Manual

Version: 1.00

International Telematics Solutions Innovator

www. queclink .com

Contents

0. Introduction

GL501MG GL501MG_T GL501MG_S is an IP67 waterproof GNSS tracker that features up to 900 days standby time powered by internal batteries and supports wireless charging. The device is ideal for lot management and other tracking applications that require real-time monitoring on temperature and light. GL501MG GL501MG_T GL501MG_S supports LTE Cat M1/NB1 network on multiple bands for operation in America, Europe, and Oceania with a fallback to GPRS.

1. Product Overview

1.1. Product Appearance

Figure 1. GL501MG GL501MG_T GL501MG_S Product View

1.2. Key Description

Table 1. GL501MG GL501MG_T GL501MG_S Key Description

Key Functions	To power on: Long press for more than 3 seconds To check the device status: Press the key for one time To power off (needs to be configured): Long press for more than 3s after power on

2. Getting Started

2.1. Opening and Closing the Case

Figure 2. GL501MG GL501MG_T GL501MG_S Screw Position

To open/close the case: Unfasten or tighten the 4 screws at backside.

2.2. Turning on/off the Device

Figure 3. GL501MG GL501MG_T GL501MG_S Battery Switch and Key

To turn on: Long press the key for more than 3 seconds.

To turn off (needs to be configured): Long press for more than 3s after power on.

2.3. Installing a SIM Card

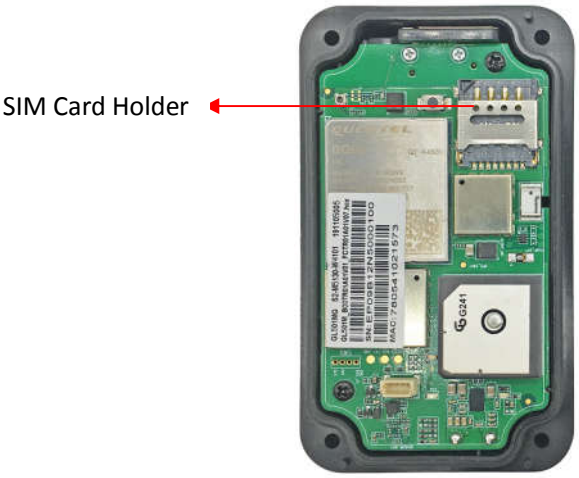

Figure 4. GL501MG GL501MG_T GL501MG_S SIM Card Holder

Power off the device first and then install the SIM card.

3. Installation Precautions

- Firmly install the device to a reliable surface to prevent falling off.
- Make the side with antenna face sky to have better signal reception.
- Do not install the device under metal surface or in enclosed environments having difficulty in getting GPS and network signal.

4. Troubleshooting and Safety Info

4.1. Troubleshooting

Table 2. GL501MG GL501MG_T GL501MG_S Troubleshooting List

Trouble	Possible Reason	Solution
After the device is turned on, the Status LED always flashes quickly.	The signal is too weak. The device isn't registered to the network.	Please move the device to a place with good network coverage.
Messages can't be reported to the backend server by GPRS.	APN is not right.	Ask the network operator for the right APN.
	The IP address or port of the backend server is wrong.	Make sure the IP address for the backend server is an identified address in the internet.
There is no response from UART when the device is configured by using UART.	The port is not ready or the device is not powered on.	Please check the port and the device to ensure they are working properly.
The device can't get GPS fix.	The GPS signal is weak.	Move the device to a place under open sky.
		It is better to make the side with antenna face the sky.

FCC Regulations:

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device 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 radiated 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.
Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user‘s authority to operate the equipment.

RF Exposure Information

This device meets the government’s requirements for exposure to radio waves.
This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

Local Representative Information

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