

# LoRa GPS Tracker

## Product Brief

### Description

LGT-10 is a Compact, low power consumption LoRa based GPS tracking device for tracking various assets and the living equipped with a rechargeable battery. Integrated with LoRa+GPS+BLE chips , which enable LGT-10 pairs with your phone and transmit message and GPS location from device to device through LoRaWAN network, communication range up to 5KM. Ultra low power consumption combine with private network , makes it ideal for outdoor adventure and traveling .



### Features

- **Communicate Via LoRa , no SIM card required**

LoRaWAN compliant, create a reliable backup communication network for use when cell service is down . communication range up to 5KM line-of-sight, unlike Bluetooth trackers , compass allow you to see where the object is even when is far away.

- **Build in BLE**

Build in BLE chip allow Compass pairs with your smart phone , transmit message and GPS location from device to device through LoraWANnetwork.

- **Support Off Line Map , SOS , Geo-fencing & Message**

With a simple press of the SOS button on the device, you can send an SOS signal in the case of an emergency. Set a customized safe zone and get notifications on your phone when the object enter or leave the zone.

- **Long Battery life**

The device transmit message at a configured frequency when activated, battery life up to 10 days @ one locate per half an hour. A notification is sent when the battery power falls below 20% .

- **IP65 enclosure , easy to install on any object**

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Parameters	Specification
Frequency Band	868~928MHz
Battery Specs	Recharge Li-ion battery,1000mAh
Temperature	-20~65°C
Dimensions	100*33*20mm (Weight 80g)
Modulation	LoRaWan
Transmit Power	+27dBm
Bluetooth	BT 4.0
GPS positioning solution	REALTEK MG1009R,Sensitive down to -148dB
GPS accuracy	5 Meters
LED indicator	Configurable
Protection Requirements	IP65
Data upload rate	Customize

## Application

1. Outdoor Adventure: Stay connected in remote areas when cell service is down , share GPS locations and send SOS if you get into trouble .
2. Locate and track children, elderly and disabled people, prevent them from missing , send SOS in emergency.
3. Group management: LGT-10 allows you to keep track of all members of your group within the field in real time
4. Asset tracking : LGT-10 can be used to track pets , vehicle, fleet , parcels or bags .



# Mechanical Diagram

