

Animals GPS Tracker

GT080 User Manual



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Welcome

Introduction

GT080 is the waterproof IP67 solar charging GPS tracker for big animals, such as sheep, cows, horses and camels ect.. 2G and 4G available. It's remote monitoring, you can get real-time location from anywhere via a mobile APP or tracking platform.

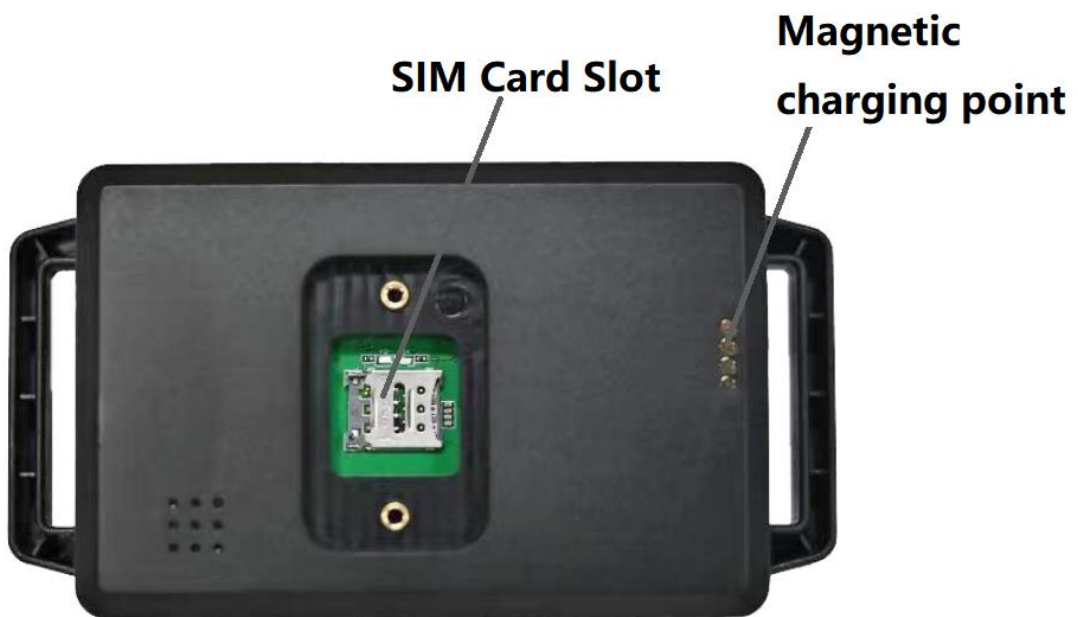
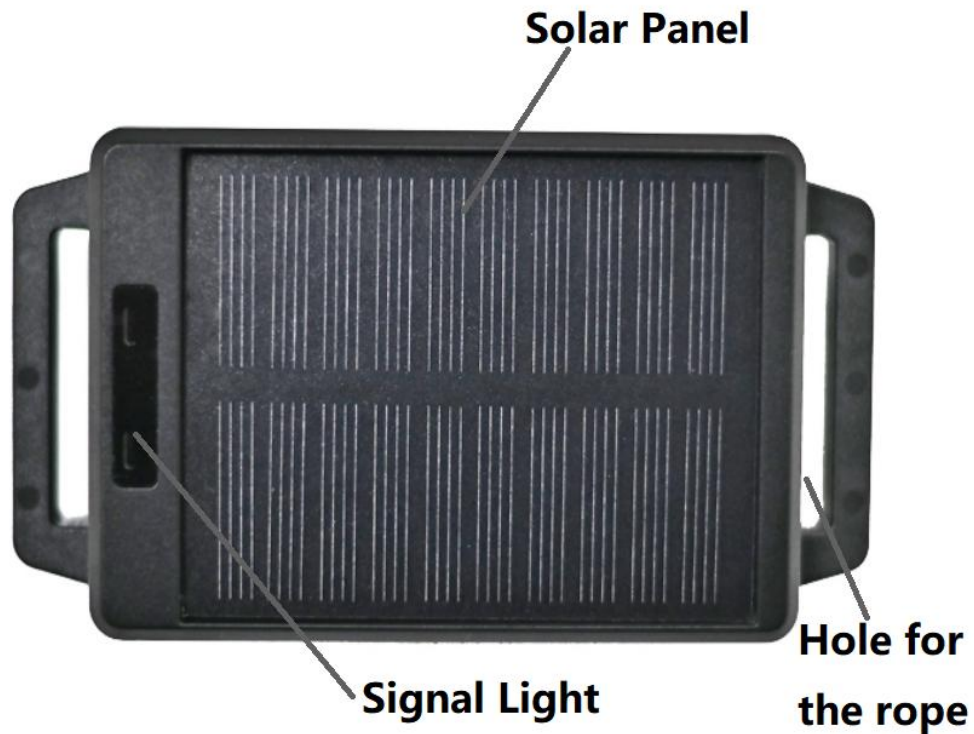
What is in the Box

1. GPS Tracker Device
2. USB charging cable
3. Ropes
4. Degausser & Rivet
5. Using manual



Getting to Know GT080

Hardware Description



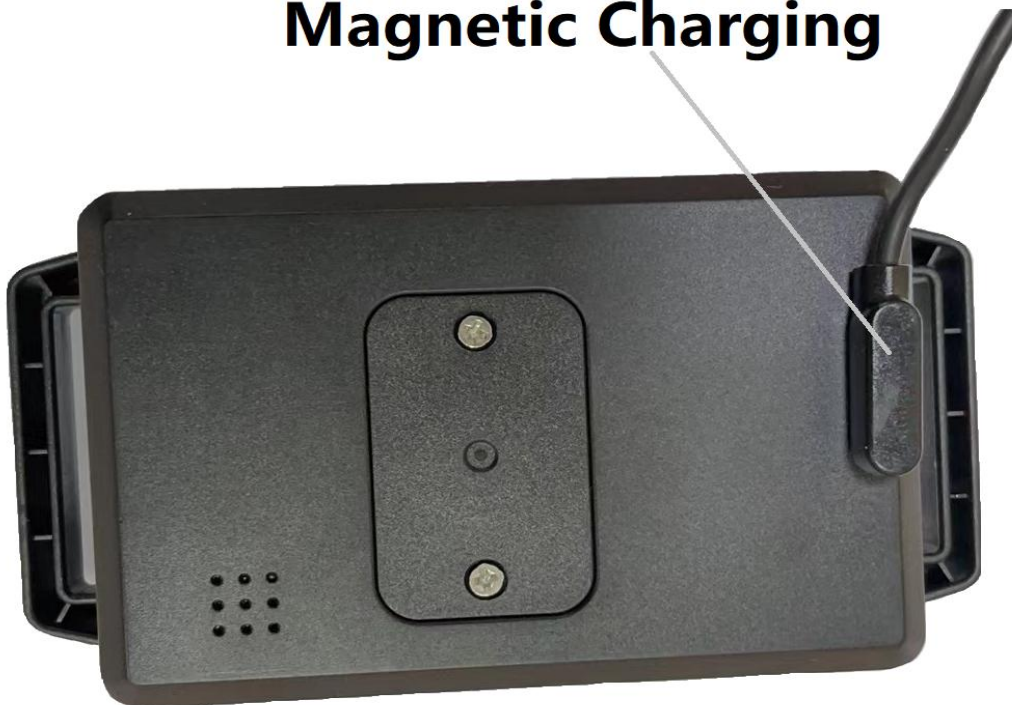
Specification

Content	Specs
2G HSPA Bands	850/900/1800/1900MHz
4G Frequencies	LTE TDD B40/LTE FDD/UMITS/HSPA
Size	100*63*38mm
Weight	217g
Waterproof Level	IP67
Color	Black
GPS Sensitivity	Tracking: -165dBm Re-acquisition: -156dBm Acquisition: -148dBm
GPS Accuracy	≤ 10m
GPS Start time	Cold start: 30s Warm start: 22s Hot start: 1s
Battery Capacity	7500mAh/10000mAh
SIM Card Type	Nano SIM
Firmware Upgrade Mode	OTA/USB
Maximum Standby Time	30 days
The Longest Working Time (5Min upload data once)	50 hours
Docking Station Charge Current Charging Time	200Ma(Max) 5-6 Hours
Operating Temperature	-20℃ to +65℃
Working Humidity	5%-95%

About the Charging

Support magnetic charging.

Magnetic Charging



Charging Status



How to Use Your Device

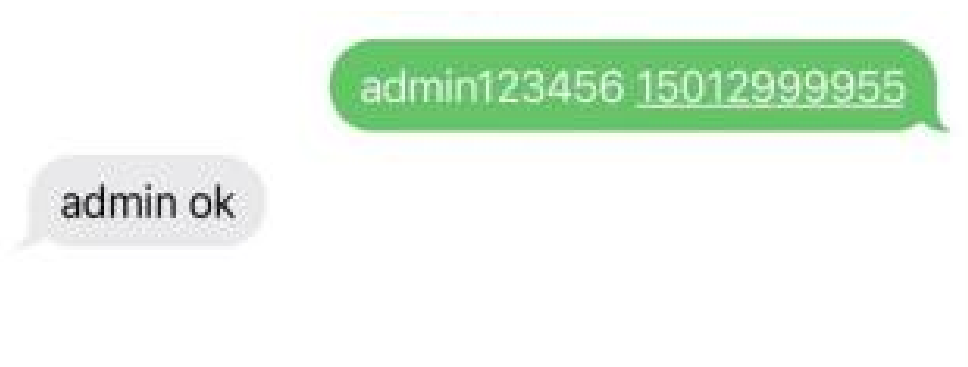
Put the SIM Card

Open the rubber cover on the bottom cover, insert the SIM card into the device. Then the device will be switched on automatically.

Set the Authorized Phone Numbers

Insert SIM card and the device is on automatically , then send SMS command **admin123456** to set the authorized phone numbers, device reply: admin OK!

Example: **admin123456 15012999955**, details are as the following picture:



Querying Device Information

Send SMS command **check123456** ,details are as the following picture:



You can query: Software version, device ID number, IP,APN, Upload intervals, GPS signal, GSM signal, Authorized phone numbers.

Setting Positioning Mode

Send SMS command **tracker123456** ,details are as the following picture:



Then call the device, it'll hang up the call automatically and reply with a positioning message, details are as the following picture:



Send SMS command **G123456#** , the device will reply a positioning message,
details are as the following picture:



How to Use the Tracking Platform

Connect the Tracking Platform

1. Set APN

Please ensure the GPRS function of the SIM card is activated.

APN connection: send SMS message **apn123456 apn** (APN is on the SIM card inserting the device.)

Example: **apn123456 cmnet** (CMNET is APN)

2. Send SMS command **gprs123456** to switch on GPRS internet access.
3. Send SMS command **ongprs123456** to switch off GPRS internet access.
4. IP connection, Send SMS command **adminip123456 b.gps903.net 7700**
(b.gps903.net is IP, 7700 is port)

Login the GPS Tracking Platform

PC platform website: www.gps903.net

Phone platform website: www.gps903.net

How to Download APP

Please scan the following QR code to download our tracking APP **ArBolo Track**



More Functions of the Device

Command list is attached as below and please contact our sales if you need any help.

Command List

Function	Command	Example
Set the Authorized Phone Numbers	admin123456 phone number	Admin123456 18588955622
Delete the Authorized Phone Numbers	noadmin123456 phone number	noadmin123456 1991797073
Set the one-way Call Mode	monitor123456	Default setting monitor123456 When you use your mobile phone to call the device, one-way call mode is switched on.
Revise the Password	password123456 666888	123456 is the original default password,666888 is the new password you prefer to change.
Switch to Listen-in Mode	monitor123456	Switch to monitoring mode. You will hear a voice from the terminal.
Switch to Positioning Mode	tracker123456	Switch to tracking mode, you'll receive the geographic information.
Displacement Alarms	move123456	Set a 500 meter circle centered on the current position. When the unit runs outside the circumference, an alarm signal will be sent.
Switch Off Displacement Alarms	nomove123456	Displacement alarms switched off
Single Positioning	G123456#	Reply with positioning information
Set Over-speed Alarms	speed123456 yyy	speed123456 yyy yyy is the speed
Switch off Over-speed Alarms	nospeed123456	Over-speed alarms switched off
Set Vibration Alarms	shock123456	Vibration alarms switched on, when the device is vibrating, the device will send SMS message alarms.
Switch off Vibration Alarms	noshock123456	Vibration alarms switched off
Set Local Time Zone	timezone123456 8	timezone1234568(original default time zone is +08 east eight)
Set the Motion Location Uploading Intervals	upload123456 15	upload123456 15(15 is the uploading interval, seconds)
Switch on the Low Battery Alarms	LOWBATSMS123456 on	The device will send a SMS message alarm when the battery is less than 20%.
Switch off the Low Battery Alarms	LOWBATSMS123456 off	Low Battery Alarms Switched off

Set APN,IP and Port	Admin123456 ,IP:port	Adminip123456 b.gps903.net 7700 The user can ask for APN from the local operator of SIM cards.
Switch On GPRS	gprs123456	Original default setting is switching on
Switch Off GPRS	ongprs123456	
Set apn	apn123456 cmnet	cmnet (CMNET is the APN on your local SIM card)
Switch on Light Sensor Removal Alarms	remove123456	If there is sunlight at the equipment detection point, it will alarm
Switch off Light Sensor Removal Alarms	noremove123456	
OTA Update	update123456	When sending this command to update the device to the newest version, please ensure that the battery is no later than 50%
Reset the Device	begin123456	After sending the message of reset the device, the main monitor number will be back to factory reset, IP and APN keep the same.
Query Parameters(SARG)	check123456	Version、ID、IP、Port、Domain Name、APN、GPS,GSM Signal、Main Monitor Number、SOS Number

About the Account

You can log in our tracking platform with your sub-account name or the IMEI number of the device, IMEI number is shown on the label of the device and on the gift box. And you can ask for a sub-account name for all your devices. Original password: 123456.

Reset the Device

Send command **begin123456** via SMS, the device will reset to factory original settings.

Notice: The device will restart after sending the message without further response.

Cautions

1. Don't put the device in overheated or over-cooled places.
2. Handle carefully. Don't vibrate or shake it violently.
3. Don't paint the device, this may cause some foreign materials left in between the parts.
4. Please don't disassemble or refit the device. The system should be installed by technical personnel.
5. Please use the battery and charger provided by manufacturer.
Using other batteries and chargers will cause unwanted situation.
6. This product should be used in the normal condition of GPS signal and GSM signal. If not, it will result in the inability to locate (GPS) or locate data that cannot be transmitted (GSM).
7. The product has position tracking and listen-in functions, the user must use it within the legal limit. If the user illegally use it (such as Invasion of privacy) that lead to damage of other's rights and interests, the consequences are the user's responsibility.
8. This product is obtained by satellite to get the position information.
Position data drift is normal, because it is limited by satellite positioning transmission characteristics.

Warranty

12 months.