

MEITRACK T622G_F9/T622E_F9 User Guide



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2 Product Introduction

The T622G_F9/T622E_F9 is a brand new high-end vehicle GPS tracker with market-proven quality and precise positioning. In addition to real-time tracking, it supports Iridium communication mode and can be compatible with various peripherals. Even in some areas with poor GSM signals, it can work properly.

2.1 Product Features

2.1.1 Iridium Communication

The device can search for Iridium satellites to implement network communication without no SIM card installed.

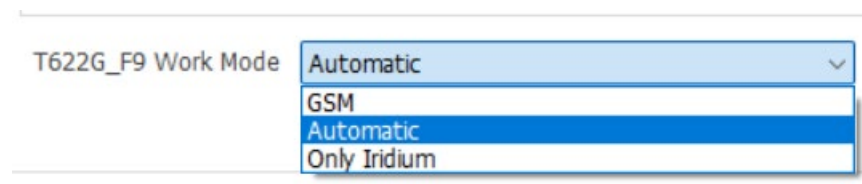
Before the device is connected to an Iridium satellite, make sure that:

1. The device is connected to an external power supply.
2. The Iridium satellite communication is enabled for the device.

For more information about how to enable the Iridium satellite communication and about the related fees, email us at alan.chang@joyntech.com.

The IP address of the server to be connected, port number, and the IMEI number of the device need to be provided for us.

3. The Iridium satellite uploading mode is set. Automatic and Only Iridium are available. You can use the Meitrack Manager software or MS03 platform to set the Iridium satellite uploading mode, as shown in the following figure.



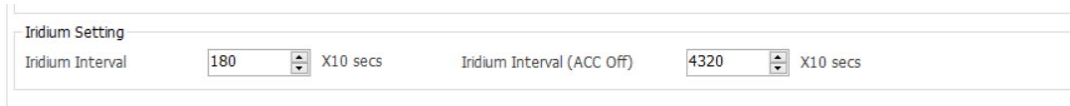
GSM: Transmit data over a GSM network.

Automatic: A GSM network is used first. When the device cannot be connected to the server over a GSM network, the network is automatically switched to the Iridium network. Once a GSM signal recovers, the network is automatically switched to the GSM network.

Only Iridium: Only Iridium satellite networks are used.

4. The Iridium satellite time interval is set. You can use Meitrack Manager to set the time interval. By default, the

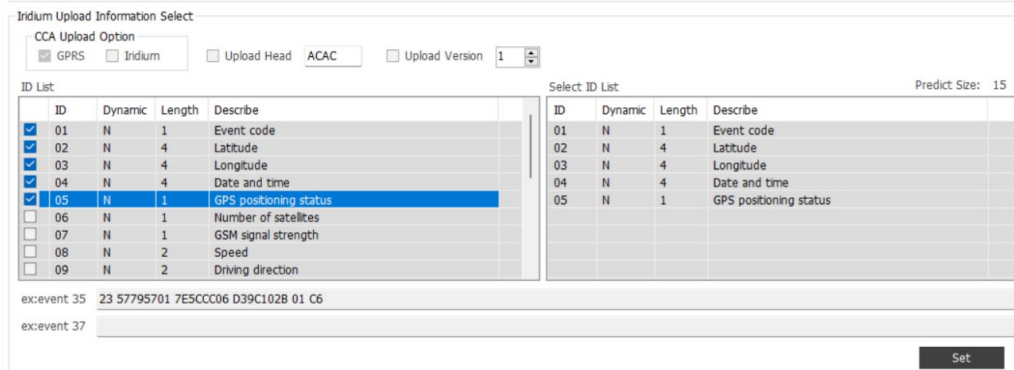
device uploads data once every 30 minutes.



Iridium Setting

Iridium Interval: 180 X10 secs Iridium Interval (ACC Off): 4320 X10 secs

5. The data uploaded by Iridium satellite is set. By default, the data includes events, longitude, latitude, and the number of GPS satellites. A piece of data uploaded by Iridium satellite contains about 15 bytes by default.



Iridium Upload Information Select

CCA Upload Option: ☒ GPRS ☐ Iridium ☐ Upload Head: ACAC ☐ Upload Version: 1

ID	Dynamic	Length	Describe
<input checked="" type="checkbox"/> 01	N	1	Event code
<input checked="" type="checkbox"/> 02	N	4	Latitude
<input checked="" type="checkbox"/> 03	N	4	Longitude
<input checked="" type="checkbox"/> 04	N	4	Date and time
<input checked="" type="checkbox"/> 05	N	1	GPS positioning status
<input type="checkbox"/> 06	N	1	Number of satellites
<input type="checkbox"/> 07	N	1	GSM signal strength
<input type="checkbox"/> 08	N	2	Speed
<input type="checkbox"/> 09	N	2	Driving direction

Select ID List: Predict Size: 15

ID	Dynamic	Length	Describe
01	N	1	Event code
02	N	4	Latitude
03	N	4	Longitude
04	N	4	Date and time
05	N	1	GPS positioning status

ex: event 35: 23 57795701 7E5CC06 D39C102B 01 C6

ex: event 37:

Set

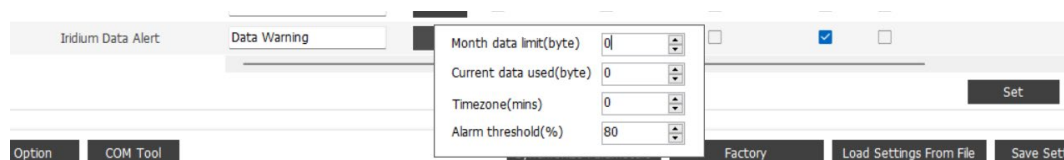
CCA Upload Option: By default, **GPRS** is selected. We recommend that you do not select **GPRS** and **Iridium** at the same time. CCA is the format of the data uploaded by Iridium satellite. Each time the device is powered on or restarted, or the ID of the Iridium satellite used to upload data is changed, a piece of CCA data is uploaded. The CCA data contains about 50 bytes and is used for the platform to identify the format of the data uploaded by Iridium satellite.

Upload Head: ACAC. By default, the parameter item is deselected. You can select the parameter item when a third-party platform requires the header setting.

Upload Version: By default, the parameter item is deselected. You can select the parameter item when Iridium satellite data IDs are defined on a third-party platform. The parameter is used to identify the format of the data uploaded by Iridium satellite.

Note: When the device is connected to the MS03 platform for the first time, a GSM network is required to upload a piece of CCA data. After the CCA data is uploaded, data uploaded by Iridium satellite can be tested. Otherwise, the platform cannot detect the format of the data uploaded by Iridium satellite.

6. **Iridium Data Alert** is set. You can set the monthly data usage limit of Iridium satellites.



Iridium Data Alert

Data Warning: ☒ ☐

Month data limit(byte): 0

Current data used(byte): 0

Timezone(mins): 0

Alarm threshold(%): 80

Set

Option COM Tool Factory Load Settings From File Save Settings

Month data limit: specifies the monthly data usage limit of Iridium satellites. If the data usage exceeds the preset value, the Iridium satellite network is disabled. The data usage is refreshed at 00:00 on the first day of every month.

Current data used: specifies the data usage of Iridium satellites.

Timezone: Set the time of the data usage limit of Iridium satellites based on the GPRS time zone. The default parameter value is 0.

Alarm threshold: specifies the alert percentage of the Iridium satellite data usage. If the Iridium satellite data usage exceeds the preset value, an Iridium satellite data event is generated.

7.The Iridium antenna should be connected to the device as follows, and do not install the antenna at a metal covered place.



There are five Iridium satellite signal levels. When the signal level is 0, the Iridium communication cannot be established. To receive Iridium satellite signals, the signal level must be greater than 1. (The Iridium satellite signals will be stable at open places. For example, in underground parking lots, the device cannot receive Iridium satellite signals.)

Cautions:

1. Iridium communication is expensive. Before enabling Iridium communication, please confirm the data uploading time interval.
2. Iridium satellites are used for network communication only and don't support voice communication.
3. If the device uses Iridium communication, it will upload positioning data only and will not upload CAN bus data.

2.1.2 Setting Up the GPRS network

Using MS03 platform, default IP: 67.203.15.9; Port: 10019;

GPRS Tracking			
Para Setting			
GPRS	<input type="radio"/> Close <input checked="" type="radio"/> TCP <input type="radio"/> UDP		
IP/Domain	67.203.15.9	Port	10019
Backup IP/Domain		Port	
GPRS Timezone(mins)	0		
APN Setting			
APN			
Username			
Password			

For other third-party platforms, ensure that the T622-F9 protocol has been integrated.

2.1.3 Garmin Navigator

After the device is connected to a Garmin navigator, the GPS navigation, information dispatching, and location query functions become available. The device can connect to the Garmin navigator which supports FMI protocol

V2.5 or later, and you must purchase the Garmin data cable.

For details about the Garmin navigator, please visit the website:

<http://www8.garmin.com/solutions/mobile-resource-management/supported-devices/>.

For details about how to install and use the Garmin navigator, see the *Garmin Navigator User Guide*.

2.1.4 Harsh Acceleration/Braking Alert

You can detect the harsh acceleration/braking alert by setting the limit value.

Cautions on device installation:

1. The device should be installed into the vehicle according to the following direction.
2. The device installation angle cannot exceed 15 degrees.



The default harsh acceleration and braking alert values are 230 mG and -300 mG respectively.

Note: The alert results vary according to the device installation, vehicle model, vehicle weight, and driving behaviors. After the device has been installed properly, you can use the Meitrack Manager software to adjust the harsh acceleration and braking alert values by every 10 mG. You can also use the D79 command to set the values.

2.1.5 Roaming Mode

On the Meitrack Manager page, device parameters in roaming mode differ from that in non-roaming mode. When the device detects that it is in roaming mode, it will be operated according to roaming parameters. This helps to save network traffic and learn about device working status.

2.1.6 CAN Bus Interface

The device can read CAN bus data of a vehicle that supports the FMS protocol.

The following data can be read: vehicle speed, vehicle control status, accelerator pedal position (%), total fuel consumption, engine rotational speed, total engine run time, total mileage, engine coolant temperature, fuel level, engine torque, ambient temperature, torque at current speed, fuel consumption rate, axle weight, service distance, and instantaneous fuel consumption.

Caution:

1. To obtain the preceding data, the vehicle must support the FMS protocol.
2. Install the device based on vehicle types. Connect vehicle's CANH and CANL wires to tracker's CANH and CANL connectors respectively.

2.1.7 GPS Data Filtering

The GPS data filtering function can ensure GPS data accuracy and eliminate static drift.

You can set the following parameters by Meitrack Manager: **GPS speed range**, **GPS positioning accuracy**, and **Number of GPS satellites**. When the GPS data filtering function is enabled, if all conditions are met, GPS data will be updated. Otherwise, GPS data will be invalid.

GPS data filtering

☒ Enable GPS data filtering (If all conditions below are met, GPS data will be updated.)

GPS speed range To km/h

GPS positioning accuracy < *10

Number of GPS satellites >

Note: This function can be enabled by Meitrack Manager.

2.1.8 Activating Output by Event

You can activate output by event.

For example:

1. When speeding is detected, the device can control buzzer sounds.
2. When unauthorized ignition or GPS antenna cut-off is detected, the engine will not be able to start.
3. When RFID triggering is detected, the device can control the vehicle door.
4. When input or output status is detected, the output will be active or inactive.

Output port

Output 1

Trigger time *10ms Duty cycle %

Trigger mode PWM period us

Input Trigger Mode

3 Product Functions and Specifications

3.1 Product Functions

3.1.1 Position Tracking

- GPS + LBS positioning
- Real-time location query
- Track by time interval
- Track by distance
- Cornering report
- Speeding alert
- Track by mobile phone
- Harsh acceleration/braking alert
- GPS data filtering
- Iridium communication mode

3.1.2 Anti-Theft

- SOS alert

- GPS antenna cut-off alert
- External power supply cut-off alert
- GPS blind spot alert
- Remote vehicle fuel/power cut-off
- Engine or vehicle door status alert
- Towing alert
- Polygonal geo-fence alert
- Fuel monitoring

3.1.3 Other Functions

- SMS/GPRS (TCP/UDP) communication (Meitrack protocol)
- Built-in 8 MB buffer for recording driving routes (storing 256 SMS cache records. The quantity of GPRS cache and GPS logs can be set and their sum is a fix value.)
- Mileage report
- Low power alert for internal battery
- 3-axis accelerometer
- Over-the-Air (OTA) update
- Activate output by event
- Stop Moving and Start Moving alerts
- Online Parameter Editor
- Support a CAN bus interface.
- Set device parameters in roaming mode. (Switch to roaming parameters when the device is in roaming mode.)

3.1.4 Functions of Optional Accessories

Optional Accessories		Function
Relay		Remotely control the switch.
1 RS232 port	A83 camera (Used with a Micro SD card)	Take photos.
	RFID reader	Identify the driver ID and grant permission to start the vehicle. Monitor driver attendance by RFID report.
	A76 ultrasonic fuel level sensor	Check the fuel level and detect a fuel theft alert.

3.2 Specifications

Item	Specifications
Dimension	105 mm x 65 mm x 26 mm
Weight	190g
Power supply	DC 11.4–36 V/1.5 A
Backup battery	400 mAh/3.7 V
Power consumption	Current in sleep mode: 11 mA

Operating temperature		-10°C to 55°C
Operating humidity		5% to 95%
Working hour		45 hours in power-saving mode 4 hours in normal mode
LED indicator		Green indicator showing the GSM signal Blue indicator showing the GPS signal
Button/Switch		1 power button
Memory		8 MB buffer
Sensor		3-axis accelerometer (used to wake the device up by vibration and detect towing alerts)
Frequency band	T622G-F9	GSM/GPRS: 850/900/1800/1900 MHz UMTS/HSDPA: 800/850/900/1900/2100 MHz
	T622E-F9	GSM/GPRS: 850/900/1800/1900 MHz Cat M1/Cat NB2: LTE-FDD:B1/B2/B3/B4/B5/B8/B12/B13/B14(Cat-M1only) /B18/B19/B20/B25/B26/B27 (Cat M1 only) /B28/ B66/B71 (Cat NB2 only) /B85
Iridium satellite		Frequency band: 1616–1626.5 MHz Duplex mode: TDD Multiplexing mode: TDMA/FDMA
GNSS		GPS
GPS sensitivity		-161 dB
Positioning accuracy		2.5m
I/O port		3 digital inputs (1 negative trigger, 1 positive trigger, and 1 positive/negative selectable trigger) 1 output 1 RS232 EXT port 1 USB port 1 CAN bus interface

4 T622G_F9/T622E_F9 and Accessories

4.1 T622G_F9/T622E_F9 and standard accessories:


- T622G_F9/T622E_F9 tracker
- External 3G antenna
- External Iridium antenna
- External GPS antenna
- Micro serial USB cable
- I/O cable(without SOS button) 1 meter
- CD download card

The external Iridium antenna has a standard version and two optional versions: standard Iridium antenna, high-end

Iridium antenna and super-high-end Iridium antenna.

4.2 External Iridium antenna accessories:

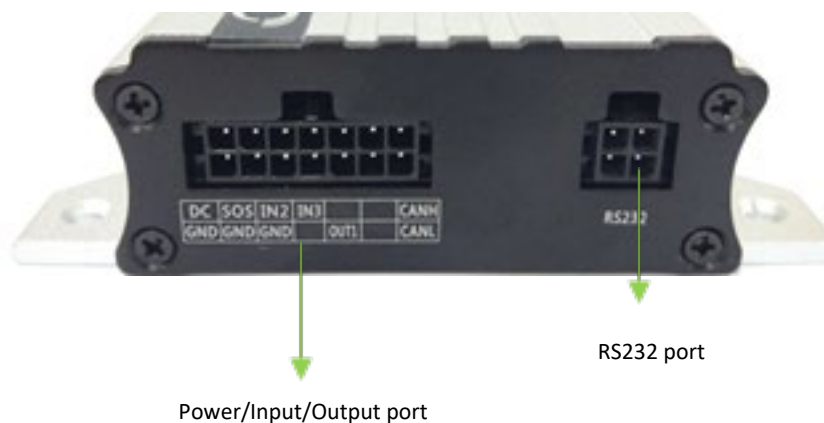
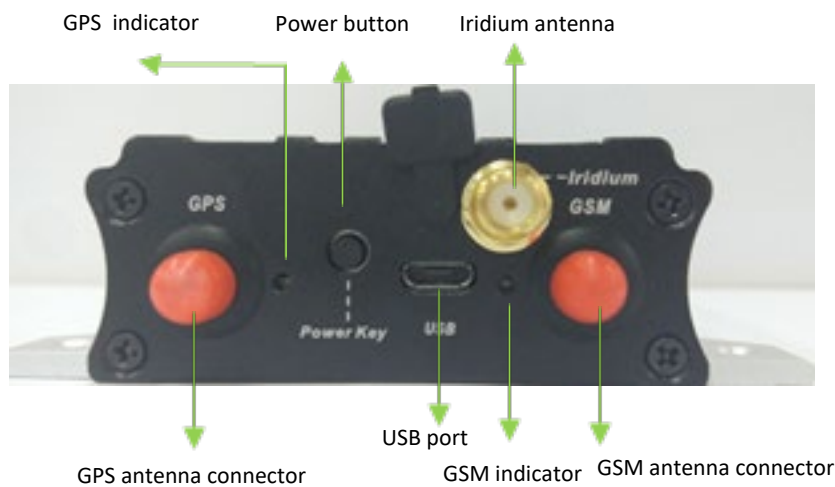
- Standard Iridium antenna

Appearance	
Specification	25*25*4mm
Frequency	1621MHz±5 MHz
Frequency bandwidth	> 10MHz
Impedance	50Ω
Gain	5dB
Polarization	RHCP

4.3 Optional accessories:

- SOS button
- Relay (12 V/24 V)
- Camera
- RFID reader
- A76 Ultrasonic fuel level sensor

5 Appearance



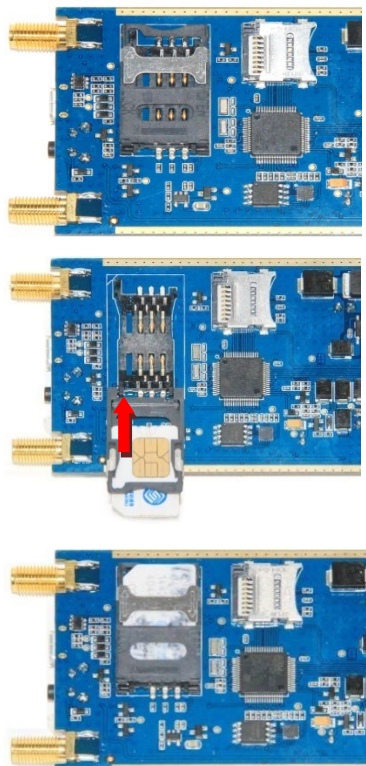
6 First Use

6.1 Installing the SIM Card

1. Loosen the screws, and remove the front cover of the device.
2. Insert the SIM card into the card slot with its gold-plated contacts facing towards the Printed Circuit Board (PCB).
3. Close the cover, and tighten the screws.

Note:

- Power off the device before installing the SIM card.
- Ensure that the SIM card has sufficient balance.
- Ensure that the phone card PIN lock has been closed properly.
- Ensure that the SIM card in the device has subscribed the caller ID service if you want to use your authorized phone number to call the device.



6.2 Charging the Device

When you use the device for the first time, connect the device GND (-Black) and Power (+Red) wires to 12 V or 24 V external power supply for charging. Ensure that the device is charged at least two hours. Eight hours are recommended.

The device can be installed on a vehicle only after it is configured and tested.

6.3 LED Indicator

Press and hold down the power button for 3–5 seconds to start the device.

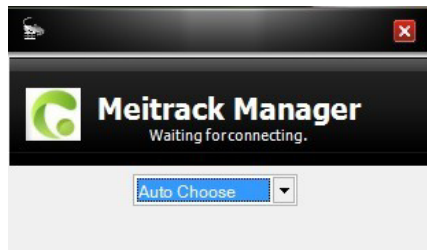
GPS Indicator (Blue)	
Steady on	A button or an input is triggered.
Blink (every 0.1 seconds)	The device is being initialized or the battery power is low.
Blink (0.1 seconds on and 2.9 seconds off)	A GPS signal is received.
Blink (1 second on and 2 seconds off)	No GPS signal is received.
GSM Indicator (Green)	
Steady on	A call is coming in or a call is being made.
Blink (every 0.1 seconds)	The device is being initialized.
Blink (0.1 seconds on and 2.9 seconds off)	A base station signal is received.
Blink (1 second on and 2 seconds off)	No base station signal is received.

6.4 Configuring Device Parameters by Meitrack Manager

This section describes how to use Meitrack Manager to configure the device on a computer.

Procedure:

1. Install the USB driver and Meitrack Manager.
2. Connect the device to a computer by using the USB cable.
3. Run Meitrack Manager, then the following dialog box will appear.



4. Turn on the device, then Meitrack Manager will detect the device model automatically and the parameter page will appear accordingly.

For details about MEITRACK Manager, see the *MEITRACK Manager User Guide*.

6.5 Tracking by Mobile Phone

Call or send the **0000,A00** command by SMS to the device's SIM card number. The device will reply to an SMS with a map link.

Click the SMS link. The device's location will be displayed on Google Maps on your mobile phone.

Note: Ensure that the device's SIM card number has subscribed the caller ID service. Otherwise, the tracking function by mobile phone will be unavailable.



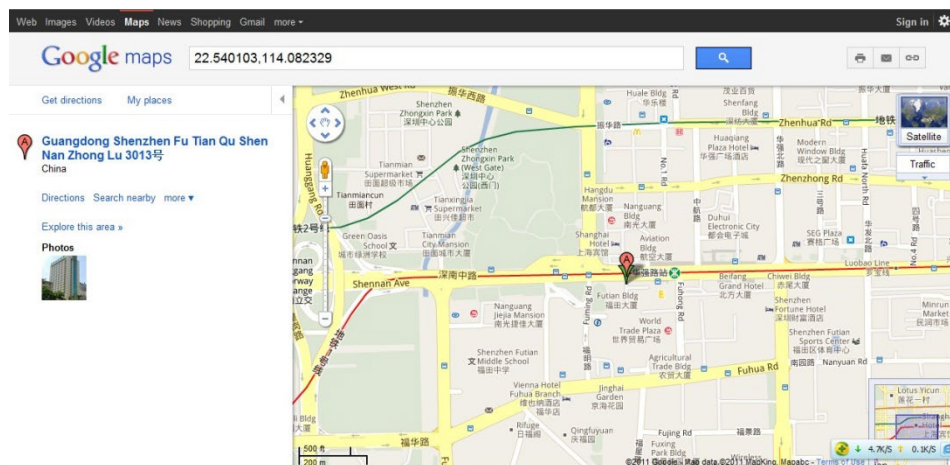
SMS example:

Now,061314 10:36,V,26,0Km/h,96%,http://maps.meigps.com/?lat=22.513781&lng=114.057183

The following table describes the SMS format:

Parameter	Description	Remarks
Now	Indicates the current location.	SMS header: indicates the current location or the alert type.
061314 10:36	Indicates the date and time in	None

	MMDDYY hh:mm format.	
V	The GPS is invalid.	A = Valid V = Invalid
26	Indicates the GSM signal strength.	Value: 1–32 The larger the value is, the stronger the signal is. If the value is greater than 12, GPRS reaches the normal level.
0Km/h	Indicates the speed.	Unit: km/h
96%	Indicates the remaining battery power.	None
http://maps.meigps.com/?lat=22.513781&lng=114.057183	Indicates the map link. Latitude: 22.513781 Longitude: 114.057183	None



6.6 Common SMS Commands

6.6.1 Setting Authorized Phone Numbers – A71

SMS sending: 0000,A71,Phone number 1,Phone number 2,Phone number 3

SMS reply: IMEI,A71,OK

Description:

Phone number: A phone number contains a maximum of 16 bytes. If no phone numbers are set, leave them blank. Phone numbers are empty by default.

Phone number 1/2/3: SOS phone numbers. When you call the tracker by using these phone numbers, you will receive SMS notification about the location, geo-fence alert and low power alert.

If you need to delete all authorized phone numbers, send **0000,A71**.

When the SOS button is pressed, the tracker will dial phone numbers 1, 2, and 3 in sequence. The tracker will stop dialing when a phone number responds.

Example:

Sending: 0000,A71,13811111111,13822222222,13833333333

Reply: 353358017784062,A71,OK

6.6.2 Setting the Smart Sleep Mode – A73

SMS sending: 0000,A73,*Sleep level*

SMS reply: IMEI,A73,OK

Description:

When the sleep level is **0**, the sleep mode is disabled (default).

When the sleep level is **1**, the tracker enters the normal sleep mode. The GSM module always works, and the GPS module occasionally enters the sleep mode. The tracker works 25% longer in the normal sleep mode than that in the normal working mode. This mode is not recommended for short interval tracking; this will affect the route precision.

When the sleep level is **2**, the tracker enters the deep sleep mode. If no event (SOS, button triggered, incoming calls, SMSs, or vibration) is triggered after five minutes, the GPS module will stop working, and the GSM module will enter sleep mode. Once an event is triggered, the GPS and GSM modules will be woken up.

Note: In any condition, you can use an SMS command to disable the sleep mode, and then the tracker exits the sleep mode and returns back to the normal working mode.

Example:

Sending: 0000,A73,2

Reply: 353358017784062,A73,OK

6.6.3 Setting GPS Data Filtering – D71

SMS sending: 0000,D71,X,Y1,Y2,Y3,Y4

SMS reply: IMEI,D71,OK

Description:

X: Whether to enable the GPS data filtering function. **1**: Enable the function. **0**: Disable the function (default).

Y1: indicates the minimum value of the driving speed. Value range: 0–999 km/h. When the driving speed is greater than **Y1**, GPS data will be updated.

Y2: indicates the maximum value of the driving speed. Value range: 0–999 km/h. When the driving speed is less than **Y2**, GPS data will be updated.

Y3: indicates the number of satellites. Value range: 0–99. When the number of satellites is greater than **Y3**, GPS data will be updated.

Y4: indicates the positioning accuracy. Unit: x10. Value range: 0–999. When the positioning accuracy value is less than **Y4**, GPS data will be updated.

When the GPS data filtering function is enabled, if all conditions of Y1, Y2, Y3 and Y4 are met, GPS data will be updated.

The GPS data filtering function can eliminate static drift, but it will affect the route precision.

Example:

Sending: 0000,D71,1,5,225,8,9

Reply: 353358017784062,D71,OK

6.6.4 Setting Output Triggering – D72

SMS sending: 0000,D72,X,Y1,Y2,Y3,Y4

SMS reply: IMEI,D72,OK

Description:

X: Select an output port. **1**: OUT1. **2**: OUT2.

Y1: indicates the output time when an event is triggered. Unit: 10 ms. Value range: 0–4294967295.

Y2: Value: 0, 1, and 2.

- **0:** Output high level.
- **1:** Output low level (default).
- **2:** Output PWM wave.

Y3: indicates the PWM duty cycle. Value range: 0–100.

Y4: indicates the PWM period. Unit: μ s. Value range: 2000–50000000.

Configure output triggering according to your requirements. The output is low level by default. The PWM duty cycle and period are available for PWM wave output only.

Example:

Sending: 0000,D72,1,0,0

Reply: 353358017784062,D72,OK

6.6.5 Allocating GPRS Cache and GPS Log Storage Space – D73

SMS sending: 0000,D73,X,Y

SMS reply: IMEI,D73,OK

Description:

X: Set the storage percentage of GPRS cache. Decimal in percentage.

Y: Set the storage percentage of GPS logs. Decimal in percentage.

The sum of X and Y must be 100.

If data is stored in internal memory which has 8 MB capacity, GPRS cache and GPS logs occupy 50% of the total capacity respectively by default (that is, 8,190 GPRS cache records and 65,536 GPS logs).

At most 16,384 GPRS cache records and 131,072 GPS logs are allowed.

Example:

Sending: 0000,D73,70,30

Reply: 353358017784062,D73,OK

For details about SMS commands, see the *MEITRACK SMS Protocol*.

Note:

1. The default SMS command password is **0000**. You can change the password by using Meitrack Manager and SMS command.
2. The device can be configured by SMS command with a correct password. After an authorized phone number is set, only the authorized phone number can receive the preset SMS event report.

7 Logging In to MS03 Tracking System

Visit <http://ms03.trackingmate.com>, enter the user name and password, and log in to the MS03. (Purchase the login account from your provider.)

For more information about how to add a tracker, see the *MEITRACK GPS Tracking System MS03 User Guide* (chapter 4 "Getting Started").

The MS03 supports the following functions:

- Track by time interval or distance.
- Query historical trips.
- Set polygonal geo-fences.
- Bind driver and vehicle information.

- View various reports.
- Send commands in batches.
- Support OTA updates.

For details, see the *MEITRACK GPS Tracking System MS03 User Guide*.

8 Installing the T622G_F9/T622E_F9

8.1 Installing GPS and GSM Antennas



Connect the GSM antenna to the connector which is labeled "GSM". The GSM antenna is non-directional, so you can hide it in any place of a vehicle.

Connect the GPS antenna to the connector which is labeled "GPS". It is recommended that the antenna is facing up to the sky and the antenna side with words is downwards. Secure the antenna by using double sided tapes.

Connect the Iridium antenna to the connector which is labeled "Iridium". It is recommended that the antenna is facing up to the sky. The installation method is the same as that of the GPS antenna, and the Iridium antenna should be far away from places with electromagnetic and frequency interference, such as WiFi, frequency modulation (FM), etc.

Note: Do not install the GPS antenna and Iridium antenna at a metal covered place.

8.2 Installing an I/O Cable

The I/O cable is a 14-pin cable, including the power, analog input, digital temperature sensor input, negative/positive input and output, and CAN bus interfaces.



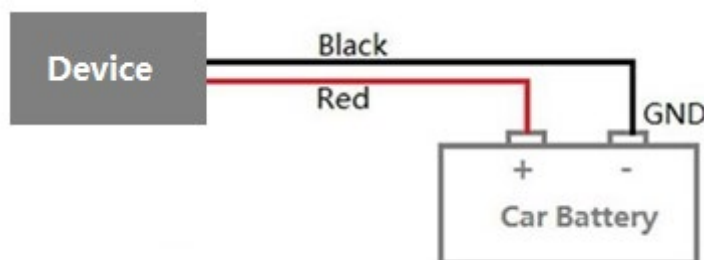
1 Power (+)	3 Input 1	5 Input 2	7 Input 3	-	-	13 CANH
2 GND (-)	4 GND (-)	6 GND (-)	-	10 Output 1	-	14 CANL

Pin Number	Color	Description
1 (Power +)	Red	Positive charge of the power input, connected to the positive

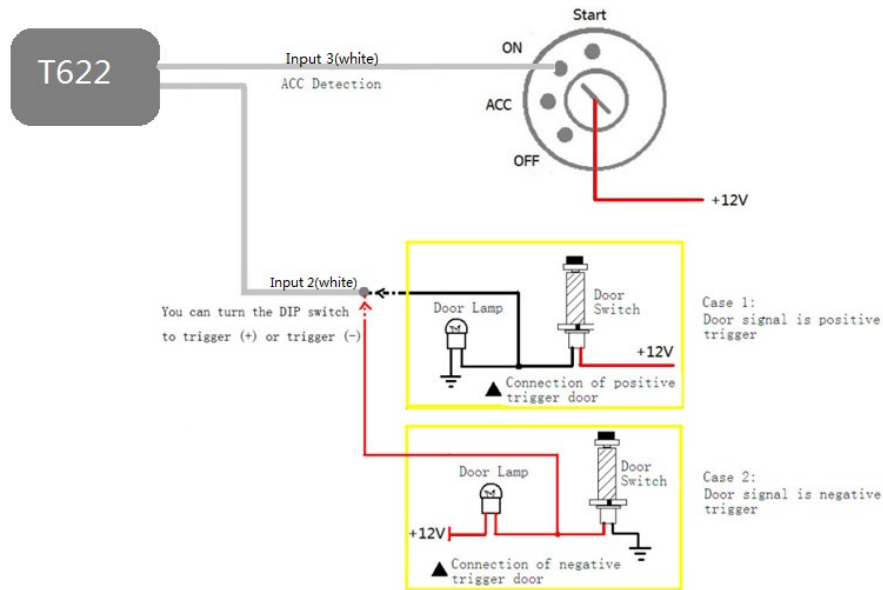
		charge of the vehicle battery. Input voltage: 11–36 V. 12 V is recommended.
2 (GND)	Black	Ground wire, connected to the negative charge of the vehicle battery or to the negative terminal.
3 (Input 1)	White	Digital input 1, negative trigger (SOS button by default)
4 (GND)	Black	Ground wire, connected to input 1 (SOS button)
5 (Input 2)	White	Digital input 2. Positive trigger by default. You can switch to negative trigger. Connect to a door trigger signal cable to detect vehicle door status.
6 (GND)	Black	Ground wire It can be used as a ground wire connected to an analog sensor.
7 (Input 3)	White	Digital input 3 (positive trigger) Connect to the vehicle ACC cable by default to detect the vehicle ACC status.
8 (Reserved)	Blue	Reserved
9 (Reserved)	Blue	Reserved
10 (Output 1)	Yellow	Output 1 Default: low level (0 V) Invalid: open collector Maximum voltage for output open collector (invalid): 40 V Maximum current: 400 mA High level triggering mode and PWM triggering mode are allowed to set. Connect to an external relay to remotely cut off the vehicle fuel cable or engine power supply.
11 (Reserved)	Yellow	Reserved
12 (Reserved)	Green	Reserved
13 (CANH)	Orange and white	Used to connect a CAN bus peripheral.
14 (CANL)	Orange	Used to connect a CAN bus peripheral.

8.2.1 Power Cable/Ground Wire (Pin 1/2)

Connect the power cable (red) and ground wire (black) to the positive and negative charges of the vehicle battery respectively.



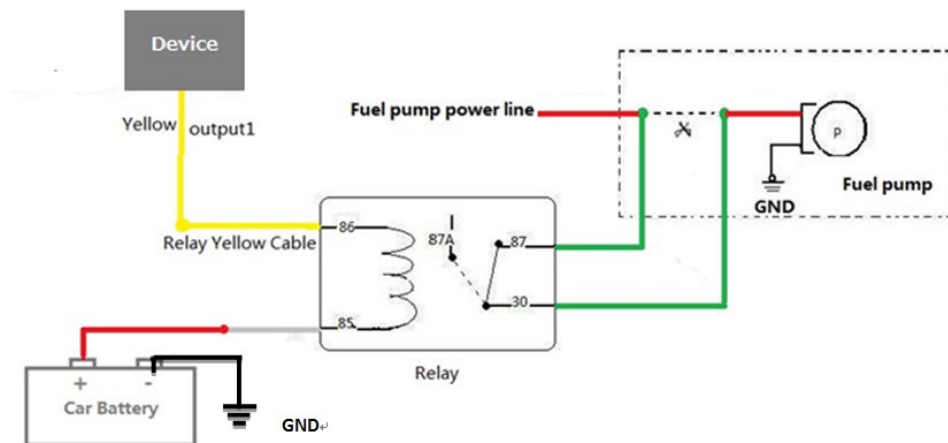
8.2.2 ACC and Door Detection (Pin 5/7)



Note:

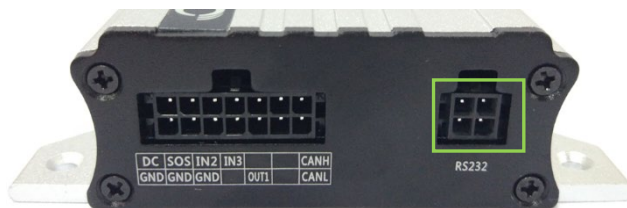
1. If input 3 is connected to the "ACC" position, after the engine is started, the platform will read it as ON-OFF-ON. If input 3 is connected to the "Start" position, after the engine is started, the platform will read it as OFF-ON-OFF. If installed correctly, after the engine is started, the platform will read it as OFF-ON.
2. Input 2 is the positive or negative selectable start cable. By default it is positive. Install and configure the cable according to your requirements.

8.2.3 Output Control (Pin 10/11)



Note: To implement remote fuel/power cut-off, connect the relay to the fuel pump power cable or to the engine power cable in series.

8.3 Installing the Camera (RS232 Port)



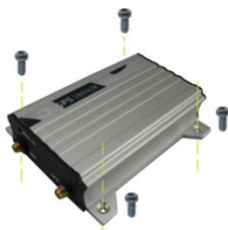
Pin Number	Color	Description
1	Red	Power output Output voltage: 5 V
2	Black	Ground wire
3	Green	RX
4	White	TX

After the camera is installed, you must configure related parameters by Meitrack Manager.

Note: The RS232 port can connect to the ultrasonic fuel level sensor or camera.

8.4 Mounting the T622G_F9/T622E_F9

Tighten the four screws shown in the following figure.



If you have any questions, do not hesitate to email us at info@meitrack.com.