

MEITRACK Trackids User Guide



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1 Copyright and Disclaimer

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2 Product Overview

The Trackids device is a personal tracker for children, equipped with the GPRS/GSM module and GPS module. With the network available, real-time position tracking, SOS alarm, and two-way calling can be implemented. In addition, you can press the SOS button to dial the preset phone number in case of emergency, and then the positioning data will be uploaded to the platform.

The device can also receive command settings to monitor children's status.

3 Product Function and Specifications

3.1 Product Function

- GPS + GSM dual-module tracking
- Real-time location query/Track by time interval/Track by distance
- Real-time monitoring by APP
- SOS alarm
- Auto answer incoming calls and two-way calling
- Heading change report
- Speeding alarm
- GPS blind spot alarm
- Low battery alarm
- In/Out geo-fence alarm
- GPRS blind spot resend
- IP65 water resistant
- Smart vibration wakeup function

Note: The smart sleep function is enabled by default to reduce power consumption. When the device is inactive (no vibration detected) for 5 minutes, it automatically enters the sleep state. In this way, the GPS is invalid and no data is sent. When the device detects vibration, it will be woken up and then work normally.

The smart sleep function can reduce power consumption, and thus to prolong device usage time.

3.2 Specifications

Item	Specifications	Remarks
Dimension	61 mm x 41 mm x 16 mm	

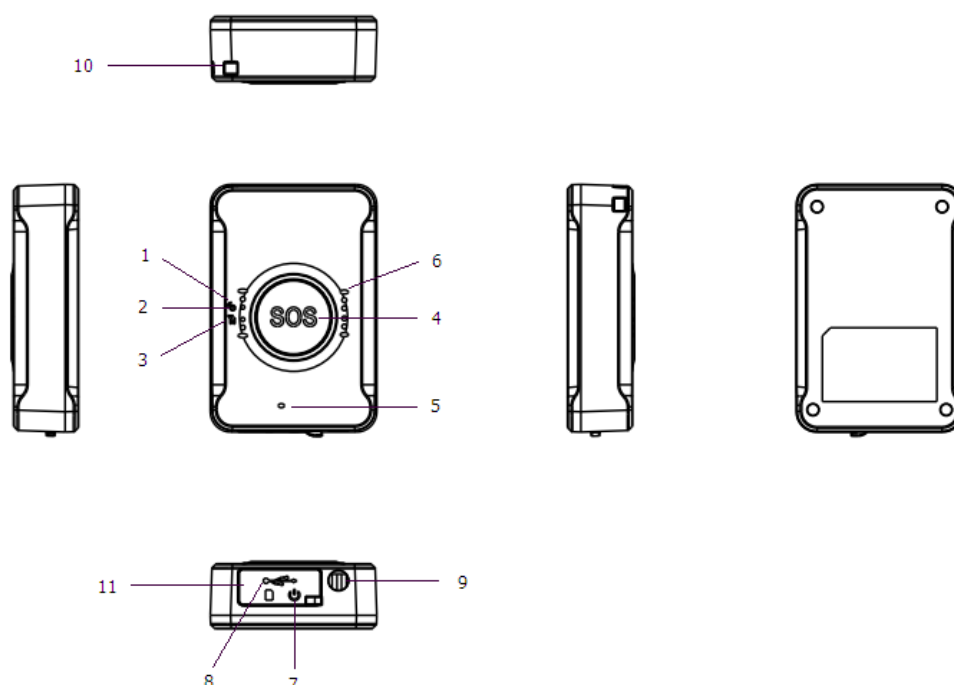
Weight	43g	
Charging voltage	DC charging port, DC 4.5 V–5.5 V/500 mA	
Standby battery	600 mAh/3.7 V, Li-polymer battery	
Power consumption	56 mA standby current and 4.3 mA deep sleep	For details about the sleep function, see section 3.1.
Operating temperature	-20°C to 55°C	Ensure that the device can work properly in this environment.
Operating humidity	5%–95%	Ensure that the device can work properly in this environment.
Working hour	140 hours in power-saving mode and 12 hours in normal mode	
LED indicator	3 indicators showing power, GSM, and GPS status	For details, see section 5.2 "LED Indicator."
Button/Switch	2 buttons/switches	For details, see section 5.1 "Appearance."
Microphone/Loudspeaker	Internal microphone and loudspeaker	Used for auto answer and two-way calling.
Memory	250 KB byte (3,000 GPRS cache and 64 SMS cache)	GPRS and SMS: Data will be uploaded automatically after the signal recovers.
Sensor	3D acceleration sensor	Determine movement, stillness, and vibration.
GSM frequency band	GSM 850/900/1800/1900 MHz	
GPS sensitivity	-161 dB	
Positioning accuracy	10m	

4 Device and Accessories

- Trackids tracker
- Quick Start Guide
- Charger
- Charging cable (circular connector)
- (Optional) Toy

5 About the Trackids

5.1 Appearance



No.	Item	Description
1	Power indicator (red)	Indicates the charging or low power state. For details, see section 5.2 "LED Indicator."
2	GPS indicator (blue)	Indicates GPS status. For details, see section 5.2 "LED Indicator."
3	GSM indicator (green)	Indicates GSM status. For details, see section 5.2 "LED Indicator."
4	SOS button	Press and hold down the button for 2s in the case of emergency. The device will sound "BI" once. The device will also dial three authorized phone numbers in sequence. It will stop dialing when one phone number answers. Meanwhile, the device will send an SMS with positioning information to the authorized phone number. If the GPRS function is enabled, the device will send a GPRS alarm message to the platform.
5	Microphone	It will run automatically when the call function is used.
6	Loudspeaker	It will run automatically when the call function is used.
7	Power on/off button	<ul style="list-style-type: none"> Press and hold down the button for 2s to turn on the device. It will sound "BI" for two times. Press and hold down the button for 2s to turn off the device. It will sound "BI" once.
8	Micro USB port	Used for charging, connecting a computer for parameter settings, and upgrading software.
9	Charging port	Used for charging.
10	Lanyard hole	Place the lanyard through the hole.
11	Elastic rubber cover	After you open the elastic rubber cover, install the SIM card and plug the USB cable into the USB port for charging or parameter configuration.

5.2 LED Indicator



To start the device, press and hold down the power button for 2 to 3 seconds. The blue and green indicators blink on for 1s and blink off for 1s simultaneously.





GPS Indicator (Blue)	
Steady off	The device is powered off or in sleep mode.
1s on and 1s off	The GPS is invalid or the device is initializing.
0.1s on and 5s off	The GPS is valid.
GSM Indicator (Green)	
Steady on	A call is coming in, or the SOS button is pressed.
Steady off	The device is powered off or in sleep mode.
1s on and 1s off	No signal is received, or the device is initializing.
0.1s on and 5s off	The device is connected to the GSM network.
Power Indicator (Red)	
Steady on	The device is charging.
Steady off	The device is powered off or in sleep mode.
0.2s on and 0.2s off for 5 consecutive times, and then 5s off	The device has low power.

Note: While using, all indicators of the device will be steady off automatically after it is powered on for about three minutes, and thus to save power. If you want to know about indicator status, press the power button. Then indicators will blink.

6 First Use

6.1 Installing the Device

	<ol style="list-style-type: none"> 1. Open the elastic rubber cover.
	<ol style="list-style-type: none"> 2. Insert the SIM card. Gently push the SIM card into the slot until you hear a click with the gold-colored side facing up. Note: Ensure that the SIM PIN lock is closed, and the SIM card has sufficient balance and has subscribed the call ID service. If you want to use the GPRS function, learn about the SIM card GPRS charging first.

	<p>3. Close the elastic rubber cover. Press the cover firmly.</p>
	<p>4. Charge the battery. Before using the device for the first time, you are advised to charge the battery for 8 hours. To charge the battery, you can connect the device to the charger or a computer through the USB cable. Note: While charging, the device may heat up. This is normal and does not affect your device's lifespan or performance. If the battery is low, it may affect positioning and data transmission. In this way, charge the battery before using.</p>
	<p>Charge with the charger: Connect the USB cable, and plug the charger into the power socket.</p>
	<p>(Optional) Attach a lanyard: Attach a lanyard as required.</p>

Note: After you install the SIM card and charge the battery, the device automatically starts, and you can use your device normally.

6.2 (Optional) Placing the Device into the Toy

The device is equipped with a toy (bear or tortoise). Perform the following operations as required to place your device into the toy:

1. Open the zipper at the bottom of the toy.



2. Put your device into the toy with the SOS button facing up.



3. Close the zipper. The installation is complete.



4. You can press the SOS button in case of emergency.



For more information about your device, please read the following instructions.

7 Quick Operation Command

Before normal usage, common parameters must be set either by SMS command or by software.

7.1 Tracking by Mobile Phone

This section describes how to query the current location of the device.

Call the SIM card phone number that is used in the device, and hang up after the dial tone rings 2-3 times.

Note: If an authorized phone number was set by SMS command A71, only this phone number can receive SMS reports with location information.

An SMS with a map link is received. Click the link to query the location.



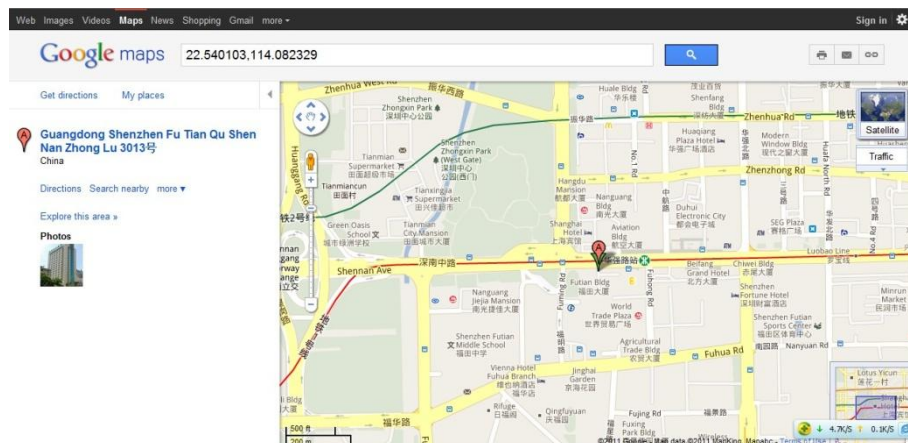
SMS example:

Now,110727 02:48,V,16,23Km/h,61%,http://maps.google.com/maps?f=q&hl=en&q=22.540103,114.082329

The following table describes the SMS format:

Parameter	Description	Remarks
Now	Indicates the current location.	SMS header: indicates the alarm type. For details about the SMS header, see the <i>MEITRACK SMS Protocol</i> and <i>MEITRACK GPRS Protocol</i> .
110727 02:48	Indicates the date and time in YYMMDD hh:mm format.	None
V	The GPS is invalid.	A = Valid V = Invalid
16	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.
23Km/h	Indicates the speed.	Unit: km/h
61%	Indicates the remaining battery power.	None
http://maps.google.com/maps?f=q&hl=en&q=22.540103,114.082329	This is a map link. Latitude: 22.540103 Longitude: 114.082329	None

If your mobile phone does not support HTTP, enter the latitude and longitude on Google Maps to query a location.



Note: The default password of the tracker is 0000. The password can be changed by using Meitrack Manager or SMS commands. After the password is changed successfully by using an SMS command, only the authorized phone number can receive SMS reports. The common format of an SMS command is: **Password,Command,Parameter.**

7.2 SOS – A71

This command is used to set SOS phone numbers. When you dial a phone number, an SMS report about the location and other functions will be received.

- SMS text:
0000,A71,Phone number 1,Phone number 2,Phone number 3
Send the text to the embedded SIM card phone number.
Tip: “,” should be an English comma and no space exists before and after the comma.
- The device will automatically reply the SMS: **IMEI,A71,OK**. It indicates that the SOS phone number is set successfully.

Note:

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: Set the phone number to the SOS phone number. When you call the tracker by using the phone number, the tracker will reply an SMS with the location and send geo-fence alarms and low power alarms.

Phone number 2/3: When you call the tracker, the tracker replies an SMS with location information.

- When you press the SOS button, the device will dial three authorized phone numbers in sequence. It will stop dialing when one phone number answers. Then the two-way calling is implemented. After hanging up, the tracker will send alarm information to phone numbers.
- When you call the device by using a preset phone number, the device will automatically answer by default and implement two-way calling.

Note: The phone numbers are blank by default. The phone numbers that are set must be separated by comma (“,”) to avoid setting failures. No comma is required next to the last phone number. For example:

```
0000,A71,13500000000,,
0000,A71,13500000000,13600000000,
0000,A71,13500000000,13600000000,13700000000
```

Reply: 353358017784062,A71,OK

To clear all phone numbers, send **0000,A71,,,**

7.3 SMS Time Zone – B35

This command is used to change the SMS report time zone. The default time zone of the tracker is GMT 0.

To change the time zone, follow the following instructions:

- SMS text:

`0000,B35,SMS minute`

Send the text to the embedded SIM card phone number.

- The device automatically replies to the SMS: `IMEI,B35,OK`. It indicates that the time zone is set successfully.

Note: The time zone is in unit of minutes. The default time zone of the tracker is GMT 0, and the time zone of SMS reports is different from that of GPRS data packets.

When **SMS minute** is **0**, the time zone is **GMT 0** (default time zone).

When **SMS minute** is a value ranging from -32768 to 32767, set time zones. Set the China time zone value to **480**.

Example: 0000,B35,480

Reply: IMEI,B35,OK (The time zone is set to Beijing time successfully.)

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

7.4 Setting the APN – A81

This command is used to set the APN to connect the Trackids to the server.

- SMS text:

`0000, A81,APN,APN-USNAME,APN-PASSWD`

Send the text to the embedded SIM card phone number.

- The device will automatically reply the SMS: `IMEI,A81,OK`. It indicates that the APN is set successfully.

Note:

- APN: max 32 bytes
- APN-USNAME: indicates the APN user name; max 32 bytes
- APN-PASSWD: indicates the APN password; max 32 bytes

For example: "0000,A81,CMNET,," indicates that the APN is CMNET, and the user name and password are blank.

Note: You must enter a complete command (3 commas are a must). If there is a parameter after a comma, it means that the parameter is changed. If not, the parameter set before is cleared.

8 Logging In to the GPS Platform

Visit <http://free.trackingmate.com>, and use the following account to log in to the platform:

User name: IMEI number

Password: 0000 (default)

You can perform the following operations on the GPS platform:

- Query a location at a certain time point.
- Query the trace.
- Add favorites.
- View various reports.

For more information about our GPS platform, see the *MEITRACK Family GPS Tracking System Free Edition User Guide*.

9 MT-SAFE APP

Scan the quick response (QR) code in Figure 10-1 or Figure 10-2 to download the client. With the APP, you can know about your children's location information anytime anywhere.

Figure 10-1 MT-SAFE for Android



Figure 10-2 MT-SAFE for iOS



Note: For details about the APP, see the *MEITRACK MT-SAFE User Guide*.

10 Safety and Usage Instructions

Use only Meitrack-approved accessories.

Incompatible accessories may cause serious injuries or damages to your device.

Handle the battery and charger carefully.

- Use batteries specified by Meitrack and chargers exclusively designed for your device. Incompatible batteries and chargers may cause serious injuries or damages to your device.
- Do NOT place batteries or devices on fire or in heating devices, such as microwave ovens, ovens, or radiators. Batteries may explode when overheated.

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