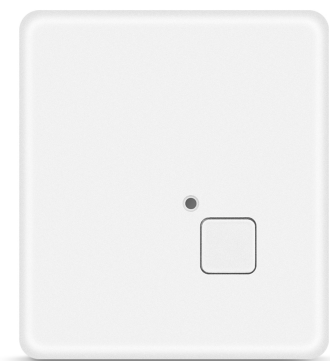


MT710L Series

4G LTE Cat 1bis Mini GPS Tracker

User Manual V1.0 · July 2026



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§01 Quick Reference

Thanks for purchasing the Mictrack MT710L GPS Tracker. This manual explains how to program and set up the tracker for the best results. Please read this manual carefully before using this product, to avoid delays or confusion with its operation. Please note that specifications and instructions are subject to change without notice to facilitate product improvement. Updates and changes will be integrated into the latest release. The manufacturer assumes no responsibility for any errors or omissions in outdated documents.

Model Variants

Model	Region
MT710L - EU	Europe, Asia-Pacific, Africa
MT710L - LA	Latin America

IP68 Waterproof Compliance

The casing is fully factory-sealed. Only open the back cover using a screwdriver to insert the Nano SIM card. Ensure the rubber seal is aligned and clean before closing the cover, to keep the IP68 rating intact.

SOS / Power Button

The single button on the device handles power and emergency alerts: press once to power ON, hold for 8 seconds to power OFF, and hold for 3 seconds at any time to send an SOS alert with the device's location.

§02 Product Overview

The MT710L is a rugged, IP68 waterproof GPS tracker designed for versatile 4G LTE connectivity. Its optimized power management delivers up to 12 months of standby time on a single charge of its internal 650mAh battery. Whether for personal safety, competitive sports, pet security, or high-value asset management, the MT710L lets users monitor their interests in real time via mobile app or PC, anytime and anywhere.

2.1 Features

- 4G LTE Connectivity
- Up to 12 Months Standby Battery Life
- IP68 Dust & Water Resistance
- Triple Positioning: GPS + WiFi + LBS
- Smart Motion Detection & Scheduled Reporting
- SOS, Low Power, Charging & Movement Alerts
- Home Mode Power Saving
- PC & Mobile App Tracking
- Programmable via Web, USB, or SMS
- Open Protocol & Easy Integration with third-party platforms

2.2 Applications

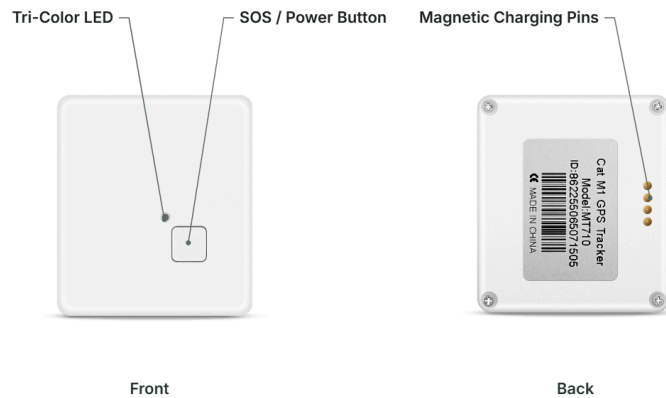
- Personal Safety & Security
- Pet Tracking
- Asset Management
- Container & Trailer Tracking
- Logistics & Supply Chain
- Sports & Outdoor Events

§03 Specifications

Item	Specifications
Dimension	46mm × 41mm × 16mm (1.81" × 1.61" × 0.62")
Weight	33g (1.16oz)
Charging Mode	Magnetic USB charging DC 5V
Power Consumption	4.38µA standby current (in lowest power configuration)
Backup Battery	Rechargeable 3.7V 650mAh Li battery (built in)
Cellular Bands (EU Version)	MT710L-EU: 4G LTE Cat 1bis: B1/B3/B5/B7/B8/B20/B28
Cellular Bands (LA Version)	MT710L-LA: 4G LTE Cat 1bis: B2/B3/B4/B5/B7/B8/B28/B66
Working Temperature	-20°C to 60°C (-4°F to 140°F)
Positioning	GPS, LBS, WiFi
GPS / 4G / WiFi Antenna	Internal
Sensor	3-Axis Accelerometer
LED Indications	Charge (Red), SYS (Blue), GPS (Green)
SIM Card Interface	Internal Nano SIM (4FF SIM)
Protocol	TCP, UDP, SMS
Waterproof Rating	IP68
Battery Life	Up to 12 months (one report per day)

§04 Hardware Interface

Open the back cover with a screwdriver to access the SIM card slot. The components of the MT710L are shown below:



- **SOS / Power Button:** On the front face. Press once to power ON. Hold 8 seconds to power OFF. Hold 3 seconds to send an SOS alert.
- **Charge / SYS / GPS LEDs:** Red (Charge), Blue (SYS/State), Green (GPS Status).
- **Magnetic Charging Pins:** On the back, above the label. Attach the included magnetic USB cable, aligned with the pins, to charge.
- **SIM Card Slot:** Nano SIM (4FF). Insert the card in the direction of the SIM icon.
- **Back Cover:** Compliant with IP68. Protects the SIM slot. Ensure it is aligned and closed tight after installing the SIM card.

§05 In the Box & SIM Installation

5.1 Standard Accessories

- 1 × MT710L GPS Tracker
- 1 × Magnetic Charging Cable

5.2 Optional Accessories

- 1 × Silicone Case
- 1 × Pet Collar
- 1 × Lanyard
- 1 × USB Config Cable

5.3 SIM Card Installation

1. Prepare a Nano SIM Card (4G LTE) with a data plan of around 15MB per month.
2. Open the back cover with a screwdriver.
3. Insert the Nano SIM card in the direction indicated by the SIM icon.
4. Close the back cover.

5.4 Power ON / OFF / SOS

- Press the SOS button once to power ON (the blue LED will light up).
- Press the SOS button for 8 seconds to power OFF.
- Press the SOS button for 3 seconds to report an SOS alert.

§06 LED Indications

Red Indicator — Charge

Status	Description
OFF	Not charging or fully charged
Solid Red	Currently charging

Blue Indicator — System State

Status	Description
OFF	Powered OFF or in sleep mode
Solid Blue	Searching network, or network is unavailable
Flashing	Running mode (active)

Green Indicator — GPS Fix Status

Status	Description
OFF	Powered OFF, GPS unavailable, or in sleep mode
Solid Green	GPS position is fixed and available

§07 Configuration

The MT710L supports two configuration options. Choose the option that best suits your setup:

- **Option A — SMS Command Configuration** (works if your SIM supports SMS): send the commands below by SMS to the tracker's SIM number.
- **Option B — USB Web Configuration** (for data-only SIMs): connect via USB Config Cable and visit config.mictrack.com in Chrome or Edge. Configure APN, server IP, port, and working modes without SMS.

SMS Formatting: commands are case-sensitive, no spaces, keep every '#' exactly as shown.

7.1 Change Password

4-digit SMS password (default 0000) — different from the 6-digit platform login password (default 123456, see §08).

Format: 777+new_password+old_password

Example: 77712340000

Reply: SET USER PASSWORD OK.

7.2 Set APN

Contact your mobile network operator for the correct APN: publicly listed APNs are often inaccurate.

Format: #803#password#APN## (or with credentials: #803#password#APN#APN_username#APN_password##)

Example: #803#0000#nbiot##

Reply: SET GPRS APN OK.

7.3 Set IP and Port

Format: #804#password#IP_or_domain#port##

Example: #804#0000#e.trackits.com#7700##

Reply: SET SERVER IP AND PORT OK.

7.4 Working Mode Configurations

Use the corresponding SMS command to switch modes according to your tracking and battery preservation objectives:

Mode	Behavior	Command Format	Battery Life*
Mode 1 Real-Time	Always reporting at a fixed interval. GPS and TCP stay on. Best for testing and active recovery.	MODE,1,password,T (10-600s) Ex: MODE,1,0000,10	12-15 hrs*
Mode 0 Auto Mode	Reports fast when moving, slow when still. Good for pets and assets needing quick motion alerts.	MODE,0,password,T1,T2 T1 = moving interval (sec, 10-600) T2 = still interval (hr, 1-24) Ex: MODE,0,0000,10,1	2-3 days*
Mode 7 Smart Mode	Lower power than Mode 0. Reports fast when moving, much less when still — best balance of tracking and battery life.	MODE,7,password,T1,T2 T1 = moving interval (min, 10-1440) T2 = still interval (hr, 1-24) Ex: MODE,7,0000,10,1	7-10 days*
Mode 3 Deep Sleep	Reports one location every T hours, then sleeps again. Best for maximum battery life.	MODE,3,password,T (1-24h) Ex: MODE,3,0000,1	Up to 12 months*
Mode 8 Home Mode	Sleeps indoors; reports at interval T once outdoors and moving. Recommended for pet tracking (requires the DEF,R command).	MODE,8,password,T (10-60s) Ex: MODE,8,0000,10	5-7 days*

Reply for each: SET TRACKER MODE:OK

*Estimates assume default settings and good network coverage. Mode 0 & Mode 7: based on movement time per day. Mode 8: based on 2 hours outside the home area per day. Actual battery life depends on reporting interval, motion frequency, signal conditions, and temperature.

Additional modes (WiFi Only, SMS Only, WiFi Priority, Clock Mode, Lock Mode) and full parameter details: refer to the [Working Mode reference](#) and [full command list](#). Mode switching restarts the device automatically; replacing the battery does not reset your current mode.

§08 Alerts & Tracking Platform

8.1 Alerts & Events

Alert	Event Code	Description
Low Battery Alert	BLP	Sent when the backup battery voltage is below 3.4V.
Vibrate Alert	TOWED	Sent when motion is detected. MODE 0, 7, and 4 (see full command list) only.
SOS Alert	SOS	Sent when the SOS button is held for 3 seconds, in any working mode.
Charging Alert	PLUG / UNPLUG	Sent when the charger is connected or disconnected.

8.2 Tracking Platform

Optional — only applies if you use Mictrack's own tracking platform; skip this if using your own platform.

1. Subscribe to a tracking plan at shop.mictrack.com.
2. Search "Yi tracker" in Google Play or Apple App Store to download the mobile app.
3. Open the app, select "Login by Device No.", enter the server address (www.trackits.com), then enter your device ID and password (6-digit, default 123456). You can change the password yourself later.

8.3 Platform Integration & Open Protocol

Mictrack uses an open communication protocol — integrate the MT710L into your own or a third-party platform instead of Mictrack's own service.

- Protocol reference: help.mictrack.com/articles/protocols
- Supported third-party platforms: help.mictrack.com/articles/supported-third-party-platforms

§09 Troubleshooting

Issue	Possible Cause	Solution
No response to SMS commands	SIM is data-only, not activated, or balance is insufficient.	Set up the correct APN via the USB Config Cable before first use; confirm SIM is active with sufficient balance.
No response to SMS commands	SMS text format incorrect.	Double-check the command format against §07.
SOS button not working	The power button is disabled via the MSW command.	Re-enable it via the MSW command (see full command list).
Platform shows offline	APN, IP, or port incorrect, or network mismatch.	Check the APN, IP/port settings, and confirm network compatibility.
Location off West Africa (0,0)	Device is indoors/in a garage.	Take it outside for a 10-minute walk or drive; location updates once GPS is acquired.
No LED light visible	Backup battery is low.	Charge the device for at least 30 minutes.

§10 Environmental Protection & Compliance

10.1 Battery Disposal (For EU & UK Customers)

In compliance with the WEEE Directive and EU/UK Battery Regulations, empty batteries and electrical waste must not be disposed of with general household refuse. Please deposit depleted Li batteries at authorized municipal recycling and collection centers.

10.2 Contact Us & Support

Shenzhen Mictrack Electronics Co., Ltd.

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Tel: +86-755-28198746

Web: www.mictrack.com

Email: info@mictrack.com