

MT825 Cat M1/NB-IoT GPS Tracker

User Manual V1.0



Preface

Congratulations on choosing the Mictrack MT825 CAT M1/NB-IoT GPS tracker. This manual shows how to easily program and setup the tracker for best results. Make sure to read this manual carefully before using this product, so as 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 The manufacturer assumes no responsibility for any errors or omissions in outdated documents.

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1. Overview

MT825 is a Mini waterproof GPS tracker that use the latest CAT M1 & NB-IoT technology that can provide low power consumption and optimized data transmission with low cost. The parents or pet owners can track the unit via their smart phone even if far away. With the hybrid positioning system GPS and WiFi allow get more precise location. It can used for personal(kids/elderly), pets and fleet management etc.

2. Features

- **CAT M1 & NB-IoT Network**
- Real-time tracking
- GPS+WiFi Positioning
- History record check
- Geo-Fence alarm
- Low battery alarm
- Power saving mode
- PC & Mobile App tracking
- Long standby time
- P65 Water resistant
- OTA

3. Applications

- Kids & Elderly tracking
- Lonely workers tracking
- Pets tracking
- Logistics
- Asset tracking

4. Specifications

Item	Specifications
Dimension	50*40*16mm
Weight	36g
Charging mode	Magnetic charging (Micro USB inside)
Backup battery	3.7 V 680mAh
Power consumption	45uA standby current
Working temperature	-20°C to 65°C

Item	Specifications
Cellular Bands	Cat M1: LTE FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28 LTE TDD: B39 NB-IoT: LTE FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28 GSM: 850/900/1800/1900Mhz
GPS	U-blox7
Tracking Sensitivity	-162 dBm
Sensor	Accelerometer
LED	RED/GREEN
SIM Card interface	PUSH Nano SIM
Waterproof	IP65

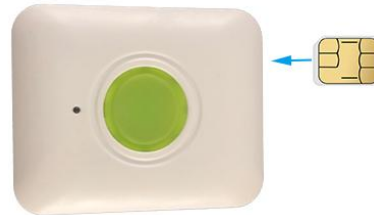
5. MT825 interface



6. Installation

6.1 SIM Card installation

- Open the waterproof rubber plug
- Insert the sim card to sim card slot correctly(as following picture)
- Press the SOS button to power on
- After that the device will be ready.
- Check the LED status until access the CAT M1 or NB-IoT network.



6.2 LED Indications

6.2.1 Green indicator

Status	Description
ON	● GPS & Network available
OFF	● GPS & Network unavailable
Fast blinking	● Network available only
Slow blinking	● GPS available only

6.2.2 RED indicator

Status	Description
ON	In charging
OFF	No charge or full charged

7. Setup and Configuration

7.1 Set APN (Access Point Name)

SMS Command format 1: apn,apn,##

For example : apn,internet,##

SMS Command format 2: apn,apn,username,password#

For example: apn,internet,internet,internet#

Reply: apn=Success!

7.2 Set the IP and port

SMS Command format : data,ip:port#

For example : data,112.95.164.248:7700#

Reply: data=Success!

7.3 Working mode

7.3.1 One day one report mode

SMS Command format: mode,0,T#

For examples: mode,0,8#

Note:Device will report one data to server at 8 am every day.T is [0-23] hours.

7.3.2 Deep sleep interval mode

SMS Command format: mode,1,T#

For examples: mode,1,60#

Note: The device will report to server every 60mins.

7.3.3 GPS sleep mode

SMS Command format: Mode,5,T#

For examples: Mode,5,10#

Note:The device will report data every 10mins. T is [2-60] minutes.

7.3.4 GPS always on mode

SMS Command format: Mode,6,T#

For examples: Mode,6,10#

Note:The device will report data every 10s .T is [10-119] seconds.

8. App & PC Tracking platform

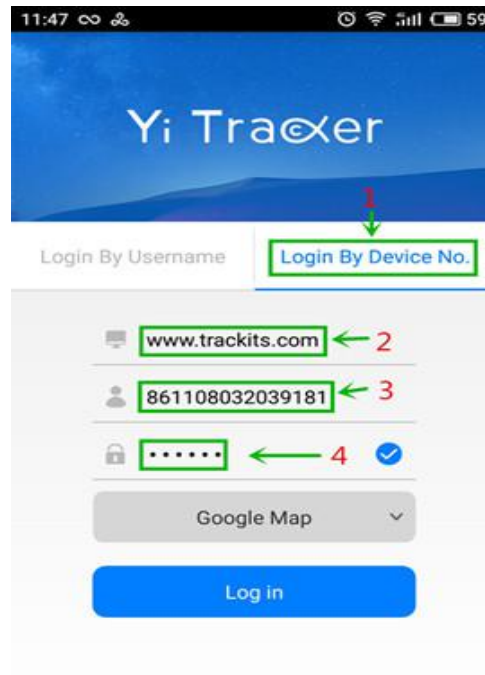
8.1 Subscribe the server plan

- Contact your sales or distributor to active your device
- Subscribe the server from our official shop:

<https://www.mictrack.com/shop/gps-tracking-platform-service>

8.2 App install & Login

- Search “Yi tracker” in Google Play or iOS store to download App(choose Yi tracker)
- Choose the “Login by Device No.”
- Input server www.trackits.com
- Input **your device's ID number** and password(default is 123456)



8.3 PC login

- Web: www.trackits.com
- Choose "ID No."
- Input **your device's ID number** and password(default is 123456)



Any questions please do not hesitate to contact us:

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