# NBS 4G-GPS Tracker Manual

# (Version V1.0)

Thank you for purchasing a NBS 4G- GPS TRACKER, the user guide will explain in detail how to operate this

product. Please take time to read this manual carefully before use. NBS GPS tracker could change its

platform and functionality without prior notice,

**The manufacturer/ dealer takes no legal responsibility for any damage or loss of property using**

**"NBS GPS TRACK"**

## 1、 Product Function

● Electronic fence,
● Low battery alarm,

- Anti-Lost alarm,
- Location query,
- Track playback

# 2、 **Product Parameters**

| Module Info. | Communication chip | ● | SIMCOM 7670 SA | |
|---|---|---|---|---|
| | Communication Frequency Band | ● | LTE/4G | LTE−FDD B1/B2/B3/B4/B5/B7/B8/B28/B66 |
| | | | GSM/EDGE/2G | GSM 850/900/1800/1900MHz |
| | SIM Card | ● | Standard SIM card | |
| GPS/BD Character | GPS Module | ● | ZK Chip | |
| | Position Way | ● | BD+GPS | |
| | Cold start | ● | Average 30s | |
| | Hot Start | ● | Average 1s | |
| | Tracking Sensitivity | ● | -162 dBm | |
| | Capture Sensitivity | | -158 dBm | |
| | Position Antenna | ● | Build in Antenna | |
| | GPS Frequency Band | ● | L1: 1575.42±1.023MHz | |
| | BD Frequency Band | ● | B1: 1561.098±2.046MHz | |
| | Sal | ● | 136 | |
| | Position Accurate | ● | Position Accuracy < 5m | |
| | Timing Accuracy | ● | 20ns | |
| | Speed Accuracy | ● | 0.1m/s CEP | |
| | maximum acceleration | ● | 4g | |
| | Max Speed | ● | 515m/s | |
| | Max Height | ● | 18000m | |

# 3、 **Product LED light status**

## 3.1 Yellow LED (GSM signal status)

| Light Status | Explanation |
|---|---|
| Slow Flash | GSM Initialization |
| Fast Flash | Don't Read Card |
| Always Bright | GPRS communication is normal/online |
| Blind Bright | GSM hibernate/unplugged |

## 3.2 Blue Light LED(GPS Signal Status)

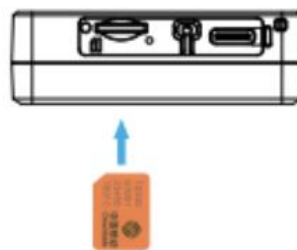| Light Status | Explanation |
|---|---|
| Slow Flash | Searching for GPS signa |
| Fast Flash | GPS chip does not work |
| Always Bright | GPS Positioned |
| Blind Bright | GPS Sleep or Not work |

# 4、Terminal Installation Instructions

## 3.1 Preparations before installation:

① Open the box to check whether the model of the equipment is correct and whether the accessories are complete, otherwise please contact your dealer;

② SIM card selection, the terminal needs to insert a SIM card, the SIM card is optional (LTE network is universal)

③ Install the SIM card, insert the SIM card in the left corner slot facing inward and the chip facing the USB port.

Note: ⑴ Before installing or removing the SIM card, please switch off the power supply of the terminal.

(2) The terminal SIM card needs to activate the network function.

SIM card installation picture



The locator is facing up
The chip of the card is facing down
and the card notch is facing the locator

## 3.2 Installation

The installation method of the terminal is recommended to be hidden installation. The hidden installation of the terminal equipment is recommended to be installed by a professional organization designated by the dealer. Pay attention to the following matters:

① Concealed installation, pay attention to waterproof;

② Avoid putting it together with the emission source, such as reversing radar, anti-theft device and other in-vehicle communication equipment;

③ The device has built-in GSM antenna and GPRS antenna. When installing, make sure that the GPS receiving surface (the surface without the label is the GPS antenna surface) is upward (towards the sky), and there is no metal obstruction.

# 5、The correct use steps of the product:

Installation→Boot→Setting→Registration

Installation：When installing, the red dot in the middle of the GPS antenna should be aligned with the opening or facing the sky, and the installation location must be a place where there is no electromagnetic wave absorbing material (such as metal, explosion-proof heat insulation film).

Power on：Install the SIM card in the correct direction and turn the on and off switch to the on position.

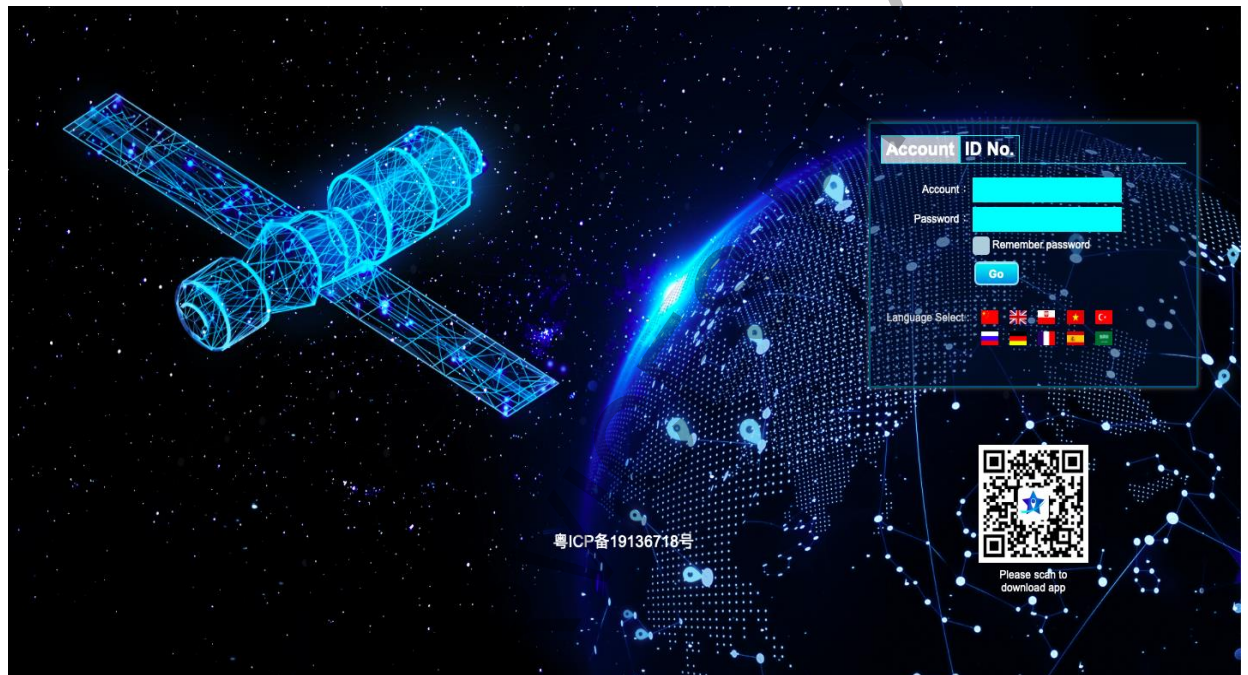Registering a platform account：your dealer will assign Gps units to your account in the portal

# 6、Instructions and usage of SMS instructions:

| No. | Item | SMS Setting | Reply SMS | Explantion |
|---|---|---|---|---|
| 1 | Checking parameter | CXZT | SN:16050287104<br>Ver:BN002_V2.06 APN:cmnet<br>IP:103.44.239.151:8018<br>TZ:E:0000<br>PP:TCP\|GPS GSM:29 GPS:FIXED<br>MODE:MODE0,30 | SN:Device IMEI number<br>Ver: Device produce vesion<br>TZ:Time zone<br>PP:Protocol of device<br>GSM:GSM siganl (the value is bigger ,the signal is stronger)<br>GPS :GPS status (fixed or unfixed) |
| 2 | Revised IP /Port | IP,122.9.115.220,,771 | IP OK | Setting the server IP &Port |
| 3 | Setting ID | ID,18168000008# | ID OK | Setting the device ID number |
| 4 | Setting APN | APN,cmnet,,# | SET APN OK | Setting the device APN |
| 5 | Checking working Mode | MODE# | MODE:0,60 | Working mode:<br>0 is urgently mode ;<br>1 is timing mode |
| 6 | Setting working Mode | MODE0,10# | MODE0 SET OK | Working Mode:<br>0 is uegent (the unit :seconds)<br>1 is timing mode (the unit :Mintus) |
| | | MODE1,5# | MODE1 SET OK | |
| 7 | Checking Position | POSITION# | <DateTime:22-03-04 13:21:03><br>http://maps.google.com/maps?q=+30@233333+120@000000 | Feedback the time and location google link |
| 8 | Setting Time Zone | GMT,E,5,0# | GMT:E,5,0 | E:East Zone ,W:West Zone |
| 9 | Checking Status | STATUS# | BN002_V2.06*ID:18168000008*122.9.115.220:7711*A:cmnet*G:A*4G:31*POW:0*Mode:0*DW:1*LED:0*SLP:158340*BAT:4000*F:10*H:32269*R:15\|301 | Vesion*ID *IP*Port *APN*GSM*GPS*Working Mode*LED*Battery |
| 10 | Restart | CQ | CQ OK | Restart the device |

# 7、Device APP Action

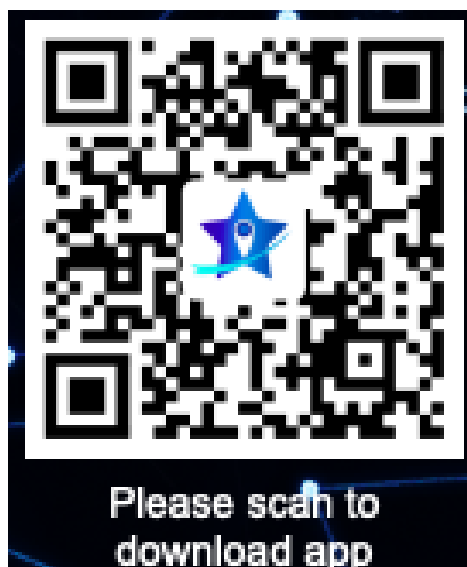① Log in to the location service platform
② [www.xadgps.com](www.xadgps.com)



Users can log in to the global positioning service platform provided by the dealer to check the location and status of the vehicle, and perform corresponding operations. Please consult your dealer for the website of the service platform

③ Download mobile client query
Apple users download and search: XADGPS Android users download: Google Play Store search for XADGPS or scan the QR code to download



Please scan to download app

# 8、Troubleshooting

After the terminal is installed for the first time, it has been unable to connect to the background server, and the background display is not online. Please check terminal installation:

When operating the terminal, please refer below to get the solve solution with dealer

| Comman Problem | Problem | Solved Solution |
|---|---|---|
| Poor Signal | Using the terminal in areas with poor reception, such as near high-rise buildings or underground parking lots, radio waves cannot communicate effectively | Use the terminal in a location with good signal |
| First time installation platform display Not activated | SIM card not installed | Check Sim Card |
| | LED Indicator Status | Check if the indicator light is flashing or always on |
| | SIM card is not activated GPRS function | Please contact the service provider to activate GPRS |
| Platform map display Incorrect location | GPS Un-positioned | Please check the equipment installation, whether the GPS antenna is aligned with the opening or the sky |
| Platform shows offline status | SIM card arrears or canceled GPRS | Please check SIM card status |
| | Weak signal in drop zone | Please go to a place with strong signal and try again |

# 9、After Sales Service

1.product comes with a 2-year warranty for any technical/hardware malfunction

2.Warranty card applies to the specified IMEI number in the following table

4.Please retain this warranty card and receipt

5.The following is for the warranty reference

| NAME | | TELEPHONE NUMBER | |
|------|--|------------------|--|
| ADDRESS | | | |
| TYPE | | IMEI | |

1. warranty 2 year from date of purchase for hardware and software

2. Listed below are the situation, which is not covered under the warranty,

  (1) Beyond the warranty period

  (2) maintenance and repair by disassembling the machine without authorization

  (3) Soak, damage or burn circuit board

  (4) Installation, use, maintenance, or improper storage

  (5) Housings, lenses or internal damage to the antenna

  (6) IMEI number not readable

  (7) Warranty certificate inconsistent with the product model or has been modified