NBS 4G GPS Tracker

(Version V1.0)

Thank you very much for purchasing NBS GPS ASSET TRACK, the user guide will explain in detail how

to operate this product. Please take time to read this manual carefully before use. Part of the functional

structure of the product is subject to change without notice,

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

"NBS ASSET 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	

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

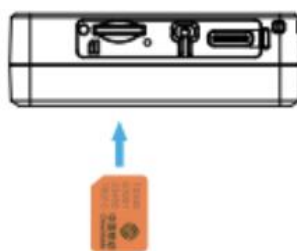## 3.1 Preparations before installation:

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: （1）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 Ver:BN002_V2.06 APN:cmnet IP:103.44.239.151:8018 TZ:E:0000 PP:TCP|GPS GSM:29 GPS:FIXED MODE:MODE0,30	SN:Device IMEI number Ver: Device produce vesion TZ:Time zone PP:Protocol of device GSM:GSM siganl (the value is bigger ,the signal is stronger) 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: 0 is urgently mode ; 1 is timing mode
6	Setting working Mode	MODE0,10#	MODE0 SET OK	Working Mode: 0 is uegent (the unit :seconds) 1 is timing mode (the unit :Mintus)
6	Setting working Mode	MODE1,5#	MODE1 SET OK	Working Mode: 0 is uegent (the unit :seconds) 1 is timing mode (the unit :Mintus)
7	Checking Position	POSITION#	<DateTime:22-03-04 13:21:03> 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

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

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.If products have technical changes,

2.The shape and color, please in kind prevail

3.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 1 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