TX-5
LBS ANTI-THEFT ALERT SYSTEM
(LBS+GSM+SMS/GPRS)
Fast Installation Instruction & User Manual

In order to install and operate the LBS tracker in right method and properly, please read this Fast Installation Instruction & User Manual before installation, thank you.

A. Package & Accessories

2Pin Power Cord *1; User Manual *1;

B. Functions

- GSM Quad-band frequency (Global use);
- Wide input voltage range: DC 9-24V;
- Build-in vibration sensor, Smart Anti-theft ;
- Support Android, IOS APP for mobile phone direct controlling.
- Real time location tracking, support SMS and platform to check Position.

C. Technical Parameter

- GMS frequency: 900/1800MHz / 850/1900MHz;
- GPRS: Class12,TCP/IP;
- Voltage range: DC 9-24V

- Standby Current: ≈0.2mA;
- LBS initialization: Cold boot 38s (Open sky)
  Warm boot 2s (Open sky)
- Working Temperature: −20℃ − +70℃ ;
- Working Humidity: 20%−80%RH;
- Dimension: 55.0(L)*38.0(W)*1.0(H)mm;
- Net weight: 21g;

D. Installation Instructions

1.Before Installation
Open the package, please look over whether the part number is correct and whether accessories complete, if not, please contact your distributor for further assistance;
Choose correct SIM card, a GSM net SIM card will be needed to insert into the terminal, please consult distributors options for further use;

Install SIM card, SIM card slot on the terminal back, take out the SIM card slot cover, insert the SIM card, then put the cover back to terminal;
Please Note:
Power off before SIM card operations;
Please don't insert the SIM card in opposite side.
Please make sure that the SIM card has enough credit;
Please make sure that the SIM card started the GPRS function;
Special GPRS data SIM Card suggested (GSM network only);

2.Installation
The terminal is a high-tech LBS positioning device, choose distributor suggested professional installation company, mechanic to install and set-up;
Please follow the terminal installation order, DO NOT REVERSE, during the installation, DO NOT POWER UP THE TERMINAL;
Suggest installing in hidden places;

Please Note:
In order to keep it from theft's damage, hidden place installation suggested; put it away from water.
Please avoid to install along with or near transmitter, ie: Reversing radar, other anti-theft vehicle terminals;
Use ribbons to fasten the terminal, or strong double-faced adhesive tape;

Installation suggested:
Installation place suggested:
a)Within front decorated board under windshield;
b)Under Dashboard (avoid metal cover);
c)Within back decorated board under windshield;

Please Note:

Any metal heat shield layer or heating layer will reduce the signal of GSM signal, it may cause GSM function failure, please adjust the installation place;

E. Terminal wiring Instructions

The terminal standard power voltage is 9V−24VDC; please use the original power wire supplied by the original factory. DO NOT CONNECT WITH OTHER GROUND WIRES;

● **The method of connecting wires for motor:**
Open the battery cover and connect the voltage with 12V, red wire is power source positive end to be connected with positive of the battery, black wire is the negative end to be connected with negative of the battery.

● The method of connecting wires for electronic bicycle：
Usually the voltage is 48−60V of electronic bicycle; there are four

groups of battery, each 12V. Open the battery cover and connect the positive end to red wire, connect the negative end to black wire.

Please note:
The electric bicycle battery is usually 60V, and in high speed driving cases, the voltage usually arrives at 80V, which will damage the tracker, in this case, please install 1 or 2 batteries before install trackers, positive or negative end are ok, cause the each battery is 12V, 2 battery reaches 24V, the rated voltage is about 9-24V, this will protect the trackers.
The supplier is not responsible for any damage caused by wrong installation method.

F. Terminal Operations

1.Start-up/Shut-down
Start-up: insert the SIM card, turn on back-up power supply, the terminal will start up;

Shut-down: disconnect power plug, take out the SIM card, the terminal will shut down;

2.Terminal parameters settings
By sending enquiry commands to the terminal, corresponding contents will be replied. Commands shall be sent by the bound cell phone number. All of the commands' letters are not case-sensitive.

3.Cell phone SIM Card Number Binding:
After the terminal starts up normally, please bind your cell phone number first, alarms will send to this bound number. The bound number can be replaced as your request.
Send SMS command: ZC#terminal password# Cell phone number# serial number # (Initial password is 000000)
Command format： ZC#000000#15888185569#1#
Reply format： ZC, Config ok.

4.Map Address Link

Send SMS command : **GOOGLE#,** get the position on map.
Command format : **GOOGLE#**
Reply link :
http://maps.google.com/maps/?f=q&hl=en&&q=31.237395,121
.390373333333 S=0;D=2014-10-23

5.Password Modification
Password Modification setting : **MP#old password#new password#**
(password should be 6 digits)
Command format : **MP#000000#987654#** ,   987654 is the new
password, original password is 000000.
Reply format : **MP, configure ok**
Note: Don't suggest changing the password, even change the
original passwords, please do remember carefully.

6.Terminal Information Checking
Send SMS command: **CX#** to the terminal's SIM card, get the
basic information of the terminal.
Command format : **CX#**

Reply format : **CX,IP:0.0.0.0 : 0000,**
URL:www.gps588.com,imei:353505220,ITV:5,,APN:,
Remarks : IP   Terminal server's IP and port.
       URL   Terminal server's domain name
       imei   Terminal IMEI number (Device ID number)
       APN   Terminal SIM card access point name

7.Voice Monitoring
Voice Monitoring
Send SMS: **JT#** to the terminal
The terminal will call back and the administrator will be able to monitor the voices.
Dial the device's sim card number, after 4 rings, the device will be automatic into the monitor state.

8.Alarm Method Setting:
Command format :
SMS alarm   **KC#000000#1#**

Phone alarm   KC#000000#2#
SMS + Phone alarm   KC#000000#3#
Close all alarms   KC#000000#0#
Reply format :   KC, configure ok

9.APN Setting
Send SMS command APN#000000#APN name#APN account#APN password#, set APN
Command format : APN#000000#zap.vivo.com.br#vivo#vivo#
(take Brazil as example)
Reply : APN, configure ok
Note : Chinese users do not need to set APN, APN setting just for overseas customers, if the APN without account and password use "#" to instead.
Command format : APN#000000#zap.vivo.com.br#####
Reply format : APN, configure ok

10.IP Setting

Send SMS command IP#000000#IP address #port#, set the serve address.
Command format : IP#000000#0.0.0.0#0000#
Reply format : IP, config ok

11.Terminal Reboot
Send SMS command SBCQ#, it can remotely control the device to restart.
Command format : SBCQ#
Reply format : SBCQ, config ok.

12.Initialization Setting
Send SMS command TXTHZ# ,it can reset the device.
Command format : TXTHZ#
Reply format : TXTHZ ,config ok.

13. Vibration Alarm
Send SMS alarm command to SIM card of device can achieve terminal smart vibration alarm.

Open vibration alarm, command format : SF000000#
Reply format : SF,ok
Close vibration alarm, command format : CF000000#
Reply format : CF,ok
Note : 000000 is original password

G. Live Tracking Monitoring Platform

Global tracking service platform website:yun.gps112.net
If you already have a login account (cluster account or imei
account), you can login in directly; otherwise you have to contact
your distributor to get the account and password.
Fill in the address of the website to login in.
Cluster Account
Account: Your cluster account name
Password: your password

IMEI account

Account: IMEI number
Password:123456

H. Tracking by ANDROID AND IOS APP

Please enter the website of tracking service, use your phone to scan QR Code and download the APP.

I. Trouble Shooting

1. Terminal installed at the first time, and it can't connect to service platform, platform always shows offline.

2. Is main power correct? Do not connect it with the vehicle internal control wires;

3. SIM card installation right, please check the installation instruction;

4. Is LBS module receives GSM signal? If not, please take it to open sky and wait the first positioning is done;

5. If the terminal is in the LBS signal weak area (High buildings can block LBS signal), please drive the vehicle to open sky area to position the location, first positioning usually take 1-2 minutes;

6. When GSM signal receive abnormally, please check whether the SIM card in terminal SIM card slot installed correctly, or whether the parking pot was covered with GMS signal, some place like basement usually have no or weak GSM signal, please drive the vehicle to places covered with GSM signal;

7. When the bound cell phone receives the main power cut-off alarm, please confirm if it is an illegal wire cut, or check the fuse

box on power wire please, if the fuse burn out, contact your distributor for the same part number fuse please, after checking terminal problems, re-power the terminal to work status;

LBS VEHICLE TRACKING TERMINAL WARRANTY CARD

Please Note:
Any upgrade of this products later on , notifications will only be sent to distributors;
Any changes on appearance or colour, pictures are only for information, take practicality as standard;
The warranty card only suits the following IMEI terminal;
Please keep the warranty card safe, also show the warranty card and original purchase receipt before repair services;
Specific warranty range as follow;
This warranty card is a basic access to repair service, please fill out the table carefully and keep it safe.

User Name		Contact phone No.	
Contact Address			
Part Number		IMEI Number	
Purchase Date		Receipt Number	
Distributor Name			
Distributor Address			
Distributor Phone			

1. From Purchase date, 1 year repair service for products crash due to products reason.
2. Any of following situations are not included in warranty range, but provide paid repair services.
  Warranty period expired;
  Damages caused by unauthorized tear down or repair;
  Inundate, damage, PCB burnt due to improper act;
  Terminal out cover, screen, antennas damages due to use;
  Terminal inside IMEI's been pluck away or unable to read;
  Warranty card any content is not in accordance with the terminal, or warranty card has been modified by unauthorized;
  Damages caused by force majeure;