

Vic-Zone GPS Tracker

Instruction Manual

(for VIC-T701)


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1 Introduction to the Product

The VIC-T701 GPS tracker is a perfect GPS terminal product. It provides a delicate appearance and premium quality, and is easy to use.

1.1 Technical Indices

	<p style="text-align: center;">VIC-T701</p> <p style="text-align: center;">GPS Tracker</p> <ul style="list-style-type: none"> - Connecting to external GPS antenna, internal GPS module. - Four-Band GSM 850/900/1800/1900 - GPRS communication channels - Automatic report back to the Call Centre - 2-way Voice Communication - Highest priority SOS Button transmission - Automatic Vehicle Locator with GSM/GPRS <p>FEATURES:</p> <ul style="list-style-type: none"> - 20 Channels High Sensitive GPS Receiver - Four-Band GSM 850/900/1800/1900 - GPRS communication channels - Automatic vehicle position report back to the Call Center - 2-Way Voice Communication, the Call Center and Driver can communicate by Voice. - SOS Button transmission of data based on priority (Emergency event has the highest priority)
<p>APPLICATIONS:</p> <ul style="list-style-type: none"> - Location-Based Services - Tracking devices/systems and Mapping devices application 	

Tech Specs

SPECIFICATION:

GPS /GSM/GPRS Specification	GSM/GPRS Module	Four Band GSM Module with GPRS (GSM850/ 900/1800/1900 MHz)
	SOS Button	Driver can press SOS button for emergency
	Antenna	External GSM Antenna
	Interface	serial port (RS-232) Interface
	Dimension	150*110* 35mm
Power Specification	Backup Battery	Built-in Rechargeable Battery
	Power Voltage	DC 9V-55V
Environmental Specification	Operation Temperature	-20°C to +70°C
	Storage Temperature	-30°C to +85°C
	Operating Humidity	5% to 95%

Images



LCD SCREEN



1.2 Operation Precautions

1. Read this instruction manual carefully before installing the device.

2. Insert the SIM/UIM card before installation. Otherwise, the device will be unable to work normally.
3. Connect the power supply of the main unit only after you make sure that all devices and connection wires are connected properly. Do not install or uninstall the device when the main unit is powered on. Before correcting omission or fault of connections, cut off the power supply. Otherwise, the device may be damaged.
4. It is recommended to install this device at the specified site. In case any exception occurs during the operation, send it for repair at the specified repair office promptly. The damage to device caused by installing the device at other than the specified installation site or repairing it at other than the specified repair office shall not be covered in the warranty of the product.
5. Since this is a radio communication device, please cut off the power supply of the main unit before you bring this device into an oil depot or a hazardous product site.
6. The main unit of your intelligent GPS terminal is a low-power radio transmitter & receiver. It receives and transmits RF signals during the operation.
7. In order to avoid electromagnetic interference and incompatible configuration, please stop use of the device in the places where a notice of forbidding use of the device is placarded.

1.3 Interface and Wiring Description

CDMA1X/GPRS antenna interface: Connected with the CDMA1X/GPRS antenna

GPS antenna interface: Connected with the GPS antenna.

As an interface of the display device, it can be connected to the display screen.

Data cable connection relationships of the terminal (20P connector):

Line sequence	Function	Color	Connected (Yes or No)	Connected to where
1	Input port 2 (I/O_I1)	Dark green	optional	Define by client for example Voltage Sensor Input or be used Monitored other circuit
2	Input port 4 (I/O_I3)	Black	optional	Define by client
3	Input port 6 (I/O_I5)	Yellow red	optional	Define by client
4	Input port 8 (I/O_I7)	Orange	optional	Define by client
5	Output port 0		Yes	Alarm trigger input or starter kill relay
6	GND (ACC)	Yellow	Yes	GND

7	GND (relay, battery)		No	GND (standby)
8	GND (hijack alarm)	Red	Yes	GND
9	GND (navigation screen)	Shielded	No	Be used to copy program Do not connect
10	Output of serial port (navigation screen)	Black	No	Be used to copy program Do not connect
11	Input port 1 (I/O_I0)	Brown	optional	Define by client
12	Input port 3 (I/O_I2)	White	optional	Define by client
13	Input port 5 (I/O_I4)	Grey	optional	Define by client
14	Input port 7 (I/O_I6) (ACC)	Blue	Yes	Ignition key switch
15	Output port 1 (I/O_O0) (relay+)		yes	Alarm trigger input or starter kill relay
16	Mileage		No	standby
17		Pink	Yes	standby
18		Red	Yes	standby
19	Port of hijack signal	Purple	Yes	Panic button
20	Input of serial port (navigation screen)	Yellow	Yes	Be used to copy program Do not connect

Data cable connection relationships of the terminal (16P connector)			
Line sequence of side A	Function	Color	Connected (Yes or No)
1	GND (power input-)	Power cable	Yes
2	LCD_RXD port		No
3	8V voltage output port		No
4	Speaker-	Dark green	Yes
5	Microphone-	Black	Yes
6	Network data TX+		No
7	Network data TX-		No
8	Network data RX+		No

9	Power input+ (9~60V)	Power cable	Yes
10	LCD_TXD port		No
11	Terminal restart signal port		No
12	GND		No
13	Speaker+	Purple	Yes
14	Microphone+	Red	Yes
15	5V voltage output port		No
16	Network data RX-		No
Note: GND refers to grounding.			

2 Installation & Maintenance Instructions

The GPS terminal shall be installed by a person authorized by Vic-Zone or a professional repair technician of the local service center. Do not disassemble or repair the device without permission of Vic-Zone.

2.1 Installation Procedure

1. Put the SIM/UIM card into the slot properly, and record the SIM/UIM card number.
2. Install the main unit at an obscure place of the vehicle, and tighten it with screws. (Do not install it at a high-temperature place or near an air conditioner. High temperature may shorten the service life of the device; and the condensate of the air conditioner in the vicinity of the device may enter the main unit and cause short-circuit and burn.)
3. Install the GPS antenna and the CDMA1X/GPRS antenna: Put the suction cup of the GPS antenna downward in a horizontal place, and fix it with double-faced adhesive tape when necessary. Note: Do not leave any metal shield between the GPS antenna and the sky. Otherwise, the signal receiving of the antenna will be affected. Do not install the CDMA1X/GPRS antenna in a metal shield. It is recommended to install the CDMA1X/GPRS on the surface of the main unit of the terminal.
4. Install the screen in a place desired by the driver. Do not expose the upper liquid crystal plane of the screen to sunlight directly. Otherwise, the service life of the screen will be shortened.

2.2 Other Precautions

1. Check whether the GPS antenna and the CDMA1X/GPRS antenna are inserted tightly, whether the installation interface is correct, whether the SIM/UIM card is installed properly.
2. Power on the device only after you make sure that all devices are connected with the Designer and Manufacturer of Tracking System Solutions, Home Medical Devices, Home Digital Products.

main unit of the intelligent GPS terminal properly.

3. After power-on, check whether the Run indicator blinks. More than 10 seconds later, if the indicator is red and keeps blinking, it indicates the main unit logs in to the CDMA1X/GPRS network successfully and has entered the normal standby state.
4. In order to prolong the service life of the device. Install the place in a water-insulated and well-ventilated place. Lay the connection cables between the devices and components in a hidden way. This can prevent intentional or unintentional damage.

2.3 Maintenance and Upkeep

The VIC-T701 GPS terminal is a well designed and delicately made product. The following recommendations help your product covered by the warranty. Pay attention to the following aspects so that the GPS terminal will work more steadily and reliably:

1. Avoid strong collision during the operation of the terminal.
2. In order to ensure the device to work normally, keep the GPS terminal dry. If the terminal becomes wet, contact the local professional repairer promptly, and do not power on or start the terminal. Otherwise, all losses arising therefrom shall not be covered in the warranty.
3. Avoid scratch against pointy objects and collision during the operation of the screen of the terminal.
4. Do not put the terminal in the vicinity of other electromagnetic devices.
5. Avoid high temperature, strong magnetic objects and rain in the vicinity of the terminal.
6. In case of other exceptions, contact the local service center promptly.

2.4 Troubleshooting

Symptom	Causes
The Run indicator of the main unit of the terminal is off.	<ol style="list-style-type: none"> 1. The main unit of the terminal is not connected to the power cable properly. 2. The fuse of the power supply blows out. 3. The main unit of the terminal is faulty.
The Run indicator of the main unit of the terminal blinks abnormally.	<ol style="list-style-type: none"> 1. The SIM/UIM card is not inserted properly. 2. The CDMA1X/GPRS antenna is not connected properly. 3. The SIM/UIM card falls in arrears.
The keys on the screen are invalid.	The connection cable between the handle or the IC card screen and the main unit is not inserted properly.
No call can be	<ol style="list-style-type: none"> 1. The CDMA1X/GPRS antenna is not connected properly.

originated.	<ol style="list-style-type: none"> 2. The SIM/UIM falls in arrears, or the call function is not activated. 3. The connection cable between the handle or the screen and the main unit is not inserted properly.
The time on the handle or the screen is incorrect.	<ol style="list-style-type: none"> 1. The GPS antenna is obstructed by the metal shield. 2. The GPS antenna is detached from the main unit interface. 3. The main unit of the terminal is faulty. 4. The GPS antenna is faulty.

3 Available Functions with Support of Monitoring System

With the support of a proper monitoring center system, the vehicle-mounted GPS tracker terminal can implement the following functions:

- Positioning function: After the GPS implements satellite positioning, it sends the data such as longitude & latitude, speed and azimuth of the target to the monitoring center. This function can be implemented through Google Earth with the support of an appropriate software system.
- Hijack alarm: In case of danger, push the button hidden in the steering room, and the vehicle-mounted system will send alarm signals to the monitoring center until a response is received from the monitoring center.
- Tracking: The monitoring center can track the vehicle which raises the alarm after the vehicle is stolen or robbed.
- Remote flameout: In the process of rescuing the hijacked vehicle, the monitoring center can extinguish the vehicle remotely by force as required. The system provides double safety, and device fault will not cause accidental flameout.
- The device can be connected with the burglarproof unit of the original vehicle (which is capable of learning) to collect the abnormal states of the alarm system and send them to the monitoring center.
- A navigation screen or a text LCD can be configured to implement navigation and dispatching communication based on text and voice.
- Authorized wiretapping: The vehicle can be wiretapped as authorized (a tiny microphone needs to be installed).

Appendix: Terms of Warranty

Under the following terms and conditions, the manufacturer shall provide free repair of the intelligent GPS terminal and its fitments (hereinafter referred to as “the Product”) if the repair is caused by defects of materials or process:

- 1) This limited warranty is applicable to the consumer of the Vic-Zone GPS trackers purchased from the manufacturer or the authorized distributors (hereinafter referred to as “the Consumer”).
- 2) Starting from the purchase date of the Product, the Consumer enjoys a 12-month warranty period free of charge. In the warranty period free of charge, the manufacturer or its authorized service center shall be responsible for repairing the Product for free if the repair arises from defects of materials or process.
- 3) For the repair product, if the remaining warranty period is less than 90 days, the warranty period shall extend to 90 days.
- 4) Upon demand of the manufacturer or its authorized service center, the Consumer shall provide the invoice or warranty card of the Product at the time of requesting for free repair.
- 5) In the warranty period free of charge, if the device is damaged by personal factors and needs repair, a proper charge for materials and cost of repair shall be imposed by the manufacturer or its authorized service center.
- 6) In the warranty period, the service from the manufacturer and its authorized service center comes in two types: Repair and replacement. If any defective product or component is replaced by a new device, all replaced products and components shall be properties of the manufacturer. The product enclosure is excluded from the terms of warranty herein.
- 7) After expiry of the warranty period free of charge, the manufacturer and its authorized service center shall provide paid repair during the lifetime of the Product.
- 8) Free repair is not available if the Consumer disassembles the device without permission which causes damage to the device.
- 9) If any problem occurs in the warranty period, the Consumer shall take the following actions:
 - The Consumer shall send the device back to the authorized distributor or authorized service center for repair or replacement.
 - The Product disassembled without permission shall be excluded from this limited warranty.
 - If the free warranty period of the Product has expired, relevant charges shall be imposed on the Consumer for the repair according to the paid repair policies.
- 10) The interests granted by this limited warranty are additional to all other rights and compensations under mandatory decrees of the State/region.
- 11) Neither the manufacturer nor the authorized service center undertakes any liabilities or obligations specified in this limited warranty.

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