



Full Name:	User manual	Creator:	Andy
Project:	VT100	Update Date:	2015-1-19
Version:	V2.3		

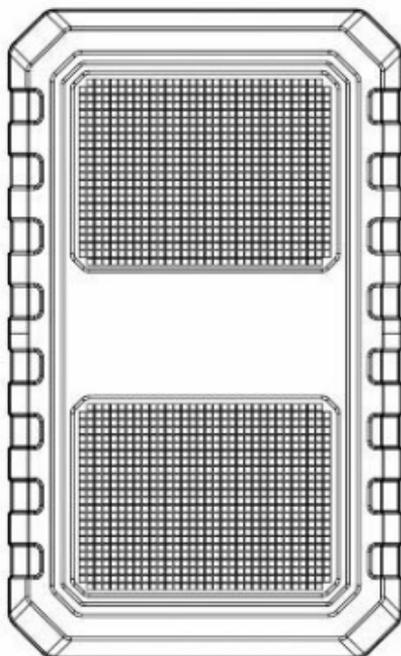
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# **GPS vehicle positioning terminal User manual**

( Version : V2.3 )



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Please carefully read the installation guide before use, product appearance, If the color is changed, please prevail in kind.

## 1. Terminal parameters



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<b>item</b>	<b>parameter</b>
Standard sizes	100X60X23.5mm
weight	180g
battery capacity	5000mAh
Operating temperature	-20°C ~ 70°C
GPS positioning error	< 10m ( According to the environment where the equipment is located )
LBS positioning error	50m-2km ( Determined by the density of the base station )

## **2. Product Function Introduction**



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- GPS continuous positioning ;
- Historical track query ;
- Mileage statistics query ;
- Support SMS query location information ;
- Built-in strong magnetic, remove will send alarm ;
- Supports web pages, mobile apps, and micro-channel inquiries.

## 3. Terms and Conditions

### 3.1 Check

After opening the box, please check whether the accessories are complete. If any of the following items are missing, please contact



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the dealer.。

No.	Name	Quantity	unit
1	Hosts	1	unit
2	User manul	1	piece
3	Charge cable	1	piece

### 3.2 Insert SIM card

To open the rubber plug of the terminal, turn off the power switch of the terminal and insert the SIM card into the SIM card port in the correct direction. The device does not support the power-on state to insert or



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remove the SIM card.

Remove the SIM card Directly touch the SIM card with a sharp object to eject the SIM card.

Note: Please refer to your dealer's opinion for SIM card selection. (It is recommended to use a mobile 2G SIM card, not compatible with telecommunications, mobile 3G or 4G networks.)

### 3.3 Power on and off

The terminal is equipped with a toggle switch, and the toggle switch can be switched on and off.



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### 3.4 Battery charging

When the terminal power is low, the power red light will flash slowly, the rubber plug of the terminal will be turned on, and the power will be charged. The battery charging process takes about 12 hours.

### 3.5 device installation

The terminal is a portable vehicle positioning device, which does not require wiring installation. The terminal rear cover has a built-in strong magnet and can be strongly adsorbed on any iron metal surface in the car.



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## Note:

1. Device should be placed in a good GPS signal;
2. The device is not waterproof, please do not put it in a damp place;
3. Do not place the device in places where the temperature is too high

## 4. Terminal LED working status

1. Red light (power signal status)

status	meaning
When connected to the charger, flash (0.1	charging



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seconds on, 0.5 seconds off)	
When the charger is connected, it is always on	Full charge
Slow flash ( 0.5 seconds on, 3 seconds off)	Low power status
not bright	Working

## 2.2. Blue light (GPS signal status)

<b>status</b>	<b>meaning</b>	
Slow flash (0.5 seconds on, 2 seconds off)	GPS positioning successful	
Fast flash	GPS positioning	



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not bright	GPS off	
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### 3.Green light (GSM signal status )

status	meaning
Slow flash ( 0.1 seconds on, 5 seconds off)	Device sleeping and disconnects from the network
Slow flash ( 0.1 seconds on, 2 seconds off)	Connect platform Successfully
Flash (0.1 seconds on, 0.5 seconds off)	Connecting platform
Off all the time	GSM cannot be registered

## 4.parameter settings

When you need to set related



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parameters, The corresponding short message can be written and sent to the SIM card number of the terminal device for setting. The punctuation marks in the following function parameter setting instruction formats must be entered in English and the letters are case-insensitive. All sent orders have replies.

## 5.1 Location query

### 5.1.1 SMS Chinese Address Search

The requesting terminal responds to the Chinese address information of the local computer.



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SMS command format: 123#

Chinese address query message reply message example:

GPS : 广东省深圳市宝安区商业街/离宝中旅游  
宝安碧海营业部约 68 米  
<http://gps.gps688.com/showMap.aspx?n=22.18992,113.35217>

Remarks: This function needs platform support.  
If there is no successful positioning this time, it will reply to the last location information.

5.1.2 Longitude and latitude location SMS query



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SMS command format : where#

Location query SMS reply message example:

Current Position

Lat:N22.571285,Lon:E113.877115 ,

Course:42.20,Speed:0.0740,DateTime:11-23

22:28

## 5.2 Restarting the Terminal

Restart the terminal with the following message.

SMS command format : Reset#

Re: The device will restart.

## 5.3 Query Parameter Settings

Send the following message to query the



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terminal device's parameter information.

SMS command format : PARAM#

## 5.4 SOS number settings

### 5.4.1 Add SOS specific number

Set the SOS number You can add the SOS number by sending the following message to any number from mobile phones.

SMS command format: SOS, A, phone number 1, phone number 2, phone number 3#

Example:

SOS,A,13800138000,13800138001,13800138002#

If only one SOS number is set, the specified number can be set as the corresponding SOS number. If the



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corresponding number is empty, it will not be added.

For example: SOS, A, 1351090XXXX# ---- to set the first phone

SOS,A,,1351090XXXX#---- Indicates to set the second phone

SOS,A,,,1351090XXXX#---- indicates to set the third telephone

#### 5.4.2 Deleting SOS Specific Numbers

If it is necessary to delete a specific number, the query parameter setting command PARAM# may be sent first to the terminal to obtain the serial number corresponding to the specific number.

SMS command format: SOS, D, number 1,  
number 2, number 3#



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When you delete an SOS number, it is the same as the already set SOS number and you can delete it.

Example:

SOS,D,13760000001,18025000002#----

mean delete 13760004574 and 18025000002 2 numbers

### 5.5 Low battery alert

When the terminal battery is low, the terminal will send a low battery alert message to the set sos number, which will also be reported to the positioning platform.

The content of the low-power SMS message is:

The device has insufficient battery power.



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Please charge it in time.

## 6.troubleshooting

When operating the terminal, if the terminal is abnormal, refer to the following problems and solutions. If you still can not solve the problem, please contact with the seller or service provider.

Problems	Causes	Solutions
Poor reception	Use terminals in poorly-received areas, such as near high-rises or	Used in a well-signed location



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	basements, the network cannot communicate	
Can not turn on	Battery exhausted	Charge the terminal
Fail to connect network	Wrong installation of SIM card	Check SIM card installation (Refer to 4.1 Install SIM card)
	Filth on the SIM card iron surface.	Clean it
	Invalid SIM card	Contact the



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		Internet service provider
	Bad signal	Try again in a better signal area
	SIM card arrears	Please recharge SIM card
Can't charge	Poor contact	Check the plug is connected
Can't find the location	SIM card does not have GPRS function	Please contact the network service provider to



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		open GPRS function
	Cannot find location data	1 Restart the terminal 2 View lighting effect Confirm the problem