Introducing Your Device

1. Inside the Box

► Device ► Charging Cable ► Relay ► User Manual





Solid red	Charging
Flashing (flash 1s at interval of 3s)	Full charge
OFF	Power off or low battery

	Searching GPS signal Receive GPS signal normally	
Flashing (flash 1s at interval of 3s)		
Slow flashing (flash 0.1s at interval of 3s)		
OFF	No GPS signal	
GSM indicator (green)	Indication	
Quick Flashing (flash 0.3s		

110	3110	Caru	_	
			_	

s. specifications			
Dimension	78.0(L) x 41.0(W) x 13.0(H) mm		
Weight	38g		
Voltage range	9-90V		
Backup Battery	270mAh / 3.7V		

Receive GSM signal no

4. Getting Started 4.1 Switch on

Non-movement Detection

Get started by assembling and setting up your device for

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p battery is		
assed on		
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sensor ince interval		NO.
tricity		SII
incity		6.0



If Card should be equipped with GPRS and SMS.

1.Open the SIM card cover

Close the SIM card cover and connect the device with the external power line which will be used to charge the terminal and built-in battery.



4.2 Switch off L.Take the SIM card out and turn p



2. Close the SIM card cover and cut external power off.



4.3 Charge the device

Plug the device connector into a chaming cable The charging cable with 2A FUSE for short-circuit over



- Vour device has built in GSM antenna and GDS ant During installation, please make sure the receiving sid face is up; any high power devices such as reversing race is up, any nigh power devices such as reversing radar, anti-theft device or communication equipment would affect the signal of the device. 2. All metallic cases of the windshield will attenuate the signal on the tracking device. It's simply due to the shielding effects of the metal compound of the case.
- 3. The device should be fixed into position with cable ties



- Under the dash board below the front windshield;
- In the parcel shelf in the rear;
- In the front bumper (non-material face), make sure the device does not get wet;
- Under the wiper version (non-metal), make sure the

- Under the waper version (non-metal), inales sure the device does not get wet; the device of one on the dash board below windshield.

 The device can not use for portable and the device can not installation of this device at more than 20cm away from passengers (front or read) or bystanders. Device Wiring

Please pay attention to the diagram description battery is 9-90V and relay remains 12V / 24V. The standard voltage is 9V-36V, the red wire is the positive, the black wire is the negative. Connect the black wire to ground.

4.6 Power/ACC/Tele-cutoff(petrol/electricity) control line (4 pin)

- line (4 pin)

 1. Your device comes with a power cord and is designed to use only manufacturer specified original device. The diese is possible with the black care in singular device. The real fine is possible with the black care in singular diese in the power of th

5. Quick Operation Instructions

To properly use the device, common parameters should be set before initial use. This can be done by using the parameter editor or by sending SMS commands to the parameter editor or by sending SMS commands to the device. (*, *should be English comma and no space before and after the comma)

5.1 Add SOS number

SMS command to the device to add the SOS number.

after set successfully.

5.2 APN setting
To ensure GPRS is activated, please make sure APN is correct. You can send SMS command to set APN;
APN command format APN, APN is Name#
Eg; APN, internet ("internet" is the APN of carrier)
The device will reply "OK" if setting successfully.

Note: The APN of some countries have user name and password, you may need to send SMS comma following: APN,APN name.user name nascass

5.3 Server setting
Defaut platform is www.tracksolid.com
To connect to other platform, please send the SMS
command to change the DMS or server IP:
DMS - SERVER IL DMS Port DM
Egr SERVER IL gpsdewtracksolid.com, 21100.0P will reply "OK" after set successfully.

5.4 Set the center number

5.4 Set the center number if you want to cut off/restore oil by SMS command, you have to set a center number firstly. Only the center number can send the cut off/restore oil command to the device. You can set your own mobile number as center

number. The command for setting center number is:

ig. CENTER,A,18165542976# If set successfully, there is an "OK" reply message.

NOTE: Only the SOS number can be used to add or delete center number successfully. There is only one center number can be set.

S S GDDS time interval

TIMER_11,T2*

TI ranges 5-18000 or 0(seconds), upload interval when ACC ONI, 0 means no upload, default is 10;

T2 ranges 5-18000 or 0(seconds), upload interval when ACC OFF, 0 means no upload, default is 10.

5.6 Vibration alarm delay time setting

Delay time for device entering vibration alarm state a the vehicle power is off and ACC is in low-level. In the wibration alarm state, if the vehicle vibrates for a few windown administrate, in the vehicle windows on a lew times, it will activate the windown alarm system. If the vehicle battery is still not on (ACC is in low level) after 3 minutes, the device will start vibration alarm. SMS format:

The time ranges from 1 to 60 minutes, default is 10.

NOTE: 1. Preset SOS numbers before sending SMS alarm nessages and calls.

2. If there is no need for vibration alarm, please SMS SENALM, OFF# to close it.

5.7 Check parameter setting

You can check the parameter setting by command:

PARAM# Example: PARAM# Information replied: IMEI: 353419032348877 --- IMEI number of the device;

IME: 333419032348877 — IMEI number of the device; TIMER: 10,10; — GPS data uploading Interval; SENDS:5; — the GPS working time when ACC is OFF; SOS:18165542976;; — SOS numbers, maximum 3 SOS numbers can be set and used for alarm and monitoring;

alm; 10.5.1.180: detect 5 vibrations in 10s: the

alarm delay is 180s; Defense time: 10; --- the vibration alarm delay is 10

and time zone info.

5.8 Check GPRS parameters

2 (----:6:---:

Dample: GPRSSET#
Reply mesage:
GPRSSON //GPRS on/off status//
Currently use APN:CMNET,user,password; //APN setting

//piatrorm information//URL:http://maps.google.com/maps?q=; //preset web link setting information //

6. Operation of device 6.1 Power on/ Power off

6.1 Power on/ Power off Power on: Once insert a valid SIM card and connect all the wires, turn on the device, then Power LED will flash first, during signal searching process, GSM and GFS, LED will flash. Once GFS LED keeps slow flashing, it means the device has been located and it starts to work.
Power off, Just turn off the power switch.

NOTE:

6.2 Check location
1. Via SMS
1. SMS "WHERE#" to the SIM number of device. The device will send a location message automatically. You can get the coordinates. If the device does not search any information of location it, till send "No data" to the cell

information of location, it will send "No data" to the cell phone. Example: Current position! LathV22.577156,Lon £113.916748,Course:131.99,Speed:0. OW/m/h.Date ime:2013-10-08 17:35:32

6.3 Wire cut-off alarmWhen the electricity supply of device is cut off, it will

The device will begin to upload positioning data to server once inserting a valid SIM card and power on. During the working time, it can upload data to server every 10 seconds. activate cut-off alarm. In this case, the device will send related SMS to the specific numbers and dial the numbe in circles. If nobody answers, the call just keeps 3 loops a most. At the meantime, the device will upload SOS alarm data to the company for all and send of the service of the control of t

To power on / power off, please remove the back cover first, refer to 4. Getting Started.

Time 2013-10-08 173-532

L2 SMS "URLP" to the SMM number of device. The device will send a location Google Map link. If the device does not search any information of location, it will send "No data" to the cell phone. Example: <10-08

173-66 http://maps.google.com/maps?q=N22.577156.E1
13.916748

2. Via platform

6.4 Low battery alarm

http://maps.google.com/maps?g=N22576713.E113.916

l ow hattery alarm SMS content example: "Attention!!!Battery is too low, please charge."
Which means the battery is too low, inform user charging it in time.

The specific numbers should be preset, please refer to **5.1**

SENALM, ON# The alarm will be sent to both the service platform and SUS numbers. When vehicle power is off, ACC status is low, and if the lead time of low ACC is more than 10 minutes (settable), device will activate security alarm. When the

security alarm is on, once the vehicle vibrates for several times, the alarm will be activated; in the neat 3 minutes, if vehicle power is still off (ACC status is low), device will start alarm. At this time, the device will send a message with the website link to the SOS numbers, and call the SOS numbers in turn. If nebody answers, it will stop data to the server. And it will send: Cut Power! <Date Time:13-06-17.14:53:06>

calling after 3 loops Example: Sensor Alarm | <11-23 14:53>, http://maps.google.com/maps?q=N22576713,E113.9165

NOTE: The specific numbers should be preset, please refer to 5.1.

NOTE: 1. The SOS numbers should be preset. 2. Send "SENALM, OFF#" to turn off the vibration alarm if don't need.

6.6 Oil cut-off via platform

1. via platform Send oil cut-off command on platform. To make sure the security of vehicle, tracker can only indicate to cut off oil when GPS is in valid position status, and the speed is less than 20KM/H or in static. Platform account password is needed when sending oil cut off command.

Please vision S. Via SMS

Firstly, you should set a center number. Please refer to 5.4.
Only center number can send the command to the device

he format is: RELAY,10 The format is: RELAY,1# After the command is carried out, it will reply "Cut off the fuel supply: Success! Speed:0 Km/h". If the command didn't carry out, it will reply the reason about fail to carry

To ensure the safety of the driver and the car, this command is valid only under two conditions: the GPS is located; the speed is less than 20km/h.

6.7 Restoring Oil

a. via piatform When the alarm is off, sending recover oil commands manually. Device will restore oil supplying, and vehicle will work normally again. Platform account password is needed when sending oil tot off command.

2. Via SMS

number can send the command to the device Only center number can send the command to the devic to restore oil. The format is: RELAY,0# After the command is carried out, it will receive "Restore fuel supply: Success!"

6.8 Over Speed Alarm

b.s. Over-speed Alarm
When the car is moving over a limited speed in average i
a limited time period, then the device will send over
speed alarm SMS to user.
To turn on the over speed function, please send below
SMS compand:

Time range (Second) : 5-600s (default as 20s) Limited speed range (km/h): 1-255, default : 120. Way of alarm: 0, GPRS only; 1, SMS+GPRS; default : 1. Example: SPEED,ON,10,120,19 Example: SPEED,ON,10,120,1# Means when the car is moving over 120km/h in average in 10 seconds, the device will send over speed alarm to

6.9 Restore to factory setting MS command format: "FACTORY#" to set all parameter or default factory value. Once received "OK", it succeeds.

When there is something wrong with the link of GPRS,

e.g., the parameter setting of the device is correct, but you can't track the car on the platform. At this moment you can send a command to the device to reboot the device. The format is: RESET® After receiving this command, the device will reboot after

If you are having trouble with your device, try these troubleshooting procedures before contacting a service

ofessional.			
roblems	Causes	Solutions	
ed LED does ot work hen power	The fuse blows	Replace the fuse	

Check SIM card installation (▶ 4.1 Install SIM card)

dess SIM

Bad signal

The voltage is unsuitable

4.5 Device wiring diagram

O 12/24V Relay

OFF-START

7. Register and log onto GPS tracking platform: www.tracksolid.com

ccount: IMEI Number The function on the GPS platform can be realized as

Real-time Tracking

8. Troubleshooting

CC Radiation Exposury Statement:

minnest complex with FOC radiation emoure limits set furth for an uncontrolled environment. ignest should be installed and operated with minimum distance 20cm between the radiator & your body.

(I) This device may not cause humded interference, and (2) this device must accept any interference receiv actualing interference that may cause underired operation.

MITS 1: This environment has been tested and found to commit with the limits for a Class B divited durin ursuant to part 15 of the FCC Bules. These limits are designed to provide reasonable protection against harmli eferouse in a residential installation. This equipment generates, uses and can radiate radio frequency energy out if not installed and used in providence with the instructions, may cause bornful interference to real numications. However, there is no guarantee that interference will not occur in a particular installation. If this priprient does cause harmful interference to radio or television reception, which can be determined by turni the eminment off and on the user is encounced to term to convert the interference by one or more of the following

- Revient or relocate the receiving antenna.

Increase the separation between the equipment and receiver. Connect the equipment into an outliet on a circuit different from that to which the receiver is connected. result the dealer or an experienced radio TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible t

General Vehicle GPS Tracker

