

5.7 Delete the center number IMS command to the device to delete the cen the command is:CENTER, DW for example:CENTER, DW set successfully, there is an "OK" reply SMS.

5 9 Check GPBS parameters

SMS command forma Eg: GPRSSET# Reply message: GPRS:ON Currently use APN:...

3. My device

The default sending interval is 10,10. It means when ACC ON ,the device will upload positioning data to platform server every 10s whe ACC OFF, the device will upload positioning data to platform server rvery 10s. Jsers can modify sending interval by SMS

TIMER_time1(seconds), time2(seconds)#"
The time18time2 ranges from 10-18000s
For example: TIMER_10.20te
If means when ACC ON the device will upload positioning data to
platform server every 10s when ACC OFF, the device will upload
positioning data to platform server every 20s.

5.11 Sensor alarm time setting 5.11 Sensor alarm time setting When the which power is off and Acc in low-level, If ACC is off over 10 mixtuse, the device will enter sensor alarm state. In this case, if the which whates for a few times, I will activate the vibration alarm system. If the vehicle battery is still not on (ACC is in low level) after 3 mixtuse, the device will start vehicle a larm. SMS Sormst. TEPERISE_TME_intensity. If The time ranges from 1

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

5.12 Restore to factory setting SMS command format: "FACTORY#" to set all pers factory value. Once received "OK", it succeeds.

i.10 GPS data uploading interval

5.13 Reboot device
When there is something wrong with the first of GPRS, e.g., The
parameter setting of the device is correct, but you can't tack the
on the platform. At this moment you can send a command to the
device to reboot the device.
The format is: RESET#
After receiving its command, the device will reboot after 1 mins. . Operation of device

Beths own span, a natural system of the power switch. The device will begin to upload positioning data to server once neeting a valid SIM card and power on. During the working time, it can upload data to server every 10 seconds.

3.2 Check location

1. Via SMS

1.1 SMS "WHEREA", to the SIM number of device. The day ill send a location message automatically. You can get the sordinates. If the device does not search any information o cation, it will send "No data" to the cell phone.

Example: .at:N22.571285,Lon:E113.877115,Course:42.20,Speed:0 0740,DateTime:10-11-23 22:28:51

1.2 SMS "URL#", to the SIM number of device. The device will send a location Google Map link. If the device does no search any information of location, it will send "No data" to the cell phone. Example:

- Chate Time: 10-11-23 23-42:51> http://maps.google.com/maps/g-0422.571490, E113.877103

2. Via platform

So to the platform website offered by dealers to check you selved to check you

6.3 SOS alarm 6.3 SOS allarm in emergent case, press SOS for 3s to activate SOS alarm. Then the device will sent SOS SMS to preset specific numbers and then disliber numbers in cities until the call is priced up. At the meetings. The meetings, the spice up. At the meetings, the device will upload SOS alarm data to the server. And It will send: SOS Alarm 4 Sast Time 1.10-6.17 11, 53. 105-, http://maps.google.com/maps/gnN257f73,E113.916585

Note: The specific numbers should be preset, just refer to 5.4

6.4 Wire cut—off alarm
When the electricity apply of density is a full activate cut-off
alarm. In this case, the density will activate the cut-off
authors in the case, the density will see in close if in colory answers, the call
cut-off and did the numbers in crides. If nobody answers, the call
cut-off and color the numbers in crides. If nobody answers, the call
cut-off and color the cut-off and in cut-off
SSS starm data to the server. And it will sent.
SSS starm data to the server. And it will sent.
Cut Power if "Salim Brand 146" if it will sent.
Introduced the cut-off and in cut-off

Note: The specific numbers should be preset, just refer to 5.

6.5 Low battery alarm 3.5 LOW Datterly valarm When the device is only working with battery, once the internal voltage of battery is less than 3.7V, device will send low battery alon men to specific number and alarm on patform. .ow battery alarm sms content exempte: "Attention(#fbattery too low lesses charge." Which means the battery is to low, to inform user

Note: The specific numbers should be preset, just refer to 5.4

6.6 Vibration alarm The vibration alarm function is off by default. To activate this function

ease send the following command: SENALM, ON#. The alarm will Platform account password is needed when sending oil out off 2 Via SMS

e sent to both the service platform and SOS numbers. Then vehicle power is off, ACC status is low, and if the lead time or w ACC is more than 10 minutes (settable), device will activate low ACU: a mode than 1 cmmode (settlicite). Genote will activate country datum. When the secondry altern is on cross of the vehicle security datum. When the secondry altern is on cross of the vehicle security datum. When the secondry alternative datum and the secondry and the s

loops.
If the Chinese address can not be acquired for certain reason, the terminal will send a message with the website link to the SOS numbers.

e.g.:Sensor:Alarm ! <11–23 14:53>, http://maps.google.com/maps/q=N/22576713,E113.916585

Note: 1.The SOS numbers should be preset. 2.Send "SENALM, OFF#" to turn off the vibration alarm. .7 Voice monitoring

When the special number cell phone dial device, ringing for 10 econds, it will enter voice monitoring status. At this time, caller or nonlibring the sound in whitele. Incoming call from non special umber will not activate voice monitoring function. Note: To realize this function, please set special number beforehand.

The SIM gard put into the device should be equipped wire caller identification.

8.8 Oil cut-off . Via platform

command: SPEED, ONIOFF, Time, Limited speed, Speed aisim switch ONIOFF depth (OFF Filter angle (seconds) 5-6004(default as 20s) Limited speed rangel/mhty1-255/mht, default-100 Mode/01, default-1 way of alaming,0 means GPRS SMS+GPRS. Via, platform Send oil cut-off command on platform. To make sure the security o 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.

2. Via SMS Firstly, you should set a center number. Please refer to 6.6.0nly center number can send the command to the device to cut off and restore oil. The format is: RELAY 18 After the command is carried out, it will reply "Cut off the fuel supply. Success Speech Krimht." If the command didn't carry cut, it will repl the resears about 18 to carry out. Note: 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 8. Trouble shooting

6.9 Restoring Oil . Via platform

viu plattorm
When the alarm is off, sending recover oil commands manually.
Device will restore oil supplying, and vehicle will work normally age.
Platform account password is needed when sending oil out off
command.

2. Via SMS

oil.
The format is: RELAY,0#
After the command is carried out, it will receive "Restore fuel supply:Success!" 6.10 Over speed Alarm

When the car is moving over a limited speed in average in a limited time period, then the device will send over speed atarm SMS to user. To turn on the over speed function, please send below SMS command: SEED ONLINES.

Example: SPEED, ON, 20, 100, 1# Means when the car is moving over 100km/h in average in 20 seconds the device will send over speed alarm to user.

Web based tracking online activation ne GPRS web based tracking platform allows real time tracking th the latest Google maps. There is also a playback feature that lows you to view where the vehicle has been for up to 30 days in a past making it ideal for fleat management.

If you are having trouble with your device procedures before contacting a service p [-...]- [-...

Fail to connect	The fuse blows	Replace the fuse	
platform	ACC ignition disconnected	Turn on ACC with key	
Fall to connect network	Wrong installation of SIM card	Check SIM card installation (Refer to 4.1 Install SIM card)	
	Fifth on the SIM card iron surface.	Clean it	
	Useless SIM	Contact internet servi- provider	
	Improper installation	Check installation of device (Refer to 4.2 Install the device)	
	Beyond GSM service area	Use it in effective GSI service offer area	
	Bad signal	Try again in a better s area	
	The voltage is unsuitable	Connect with power w suitable voltage	

Improper connection Check charge

This explanest consider with PCC relation exposure limits set forth for an acceptabled environment. This

This device counties with Part 15 of the PCC Bules. Overgion is solved to the following two conditions: (1) This device may not cases because interference, and (2) this device most accept any interference received, including interference that may cases underived operation.

XXXX 1. This regions of her have total and found to rounds with the limits for a Plac R divid decir. interference in a reviolential installation. This equipment generates, uses and can redista radio frequency energy and, if not installed and used in accordance with the instructions, must cause harmful interference to radi commissions. Enverse, there is no guarantee that interference will not accor in a particular installation. If this equipment dues cause harmful interference to radio or television reception, which can be determined by harming the excitment off and on, the user is encouraged to try to correct the interference by one or more of the followin - Reserved or redocate the receiving actions.

-Excess the separation between the equipment and moniver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Constitute dealer or an experienced radio/TV technician for belo-

compliance could void the user's authority to operate the equipment.

GPS Vehicle Tracker (GPS+GSM+SMS/GPRS) User Manual (Version 5.2N)

1. Accessories:

Comments

> Device > Power cord > Relay > Microphone > SOS alarm cable & buttor > User Manual

Specifications

Dimension	106(L) x 54(W) x 16(H) mm
Weight	96g
Backup Battery	450mAh / 3.7V
Operation Temperature	-25°C-60°C
Humidity	5% - 95%
Standby Time	60 hours
GSM Frequencies	850/900/1800/1900 MHz
GPRS	Class 12
GPS Channel	20
GPS Sensitivity	-159dBm
Acquisition Sensitivity	-144dBm
Position Accuracy	10m
	Cold Start <38s
TTFF (Open Sky)	Warm Start: <15s
	Hot Start. <2s
GSM/GPS Antenna	Built-in design
LED Indicator	GSM-green, GPS-blue, Power-red
Data Transmit	TCP, SMS
Geo-fence	View any existing Geo-fence in the map
Speeding Alarm	Report when speeds higher than the pre-set value
Low Power Alarm	Alarm when backup battery is running out
Non-movement Detection	Movement alarm based on built-in 3D motion

	Flower of the same that	GSM LED indicator	
4	GPS LED Indicator - Blue		
-11	Flashing (interval 0.1s)	Searching GPS signal	
= 1	Solid blue	GPS fix	
-11	OFF	No GPS fix or initializing	
ut	GSM LED Indicator - Green		
01	Quick flashing (interval 0.1s)	GSM initializing	
	Slow flashing (flash 0.1s every 2s)	Receive GSM signal normally	
-11	Solid green	Connected to GSM network	
_	OFF	No GSM signal	



4. Getting Started

Please follow below instructions for ensuring safe and correct use.

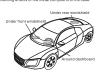
4.1 Install the SIM card Place the SIM card into the device with the gold-colored side facing down.

Note: Make sure there is enough credit on the SIM card. If you will be using the GPRS function, you should pay attention to the current SIM card GPRS charge.

4.2 Install the device

nstallation please refers to below picture NOTE:

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.



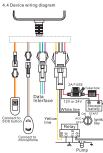
4.3 Wiring configuration



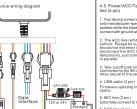
Line No.	Specification	Color	Description	
1.2	Keypod	Orange/Orange	Connect to SOS button	
3.4	MIC-,MIC+	Black/Red	Connect to Microphone	
5	TX	Green	Sending data (TX)/backup	
6	RX	White	Receiving data (RX)/backup	
7	GND	Black	Ground wire	
8	MOTOR	Yellow	Connect to relay control lin	
9	ACC	White	Connect to ACC ignition	
10	V-	Black(thick)	Negative side of 12V/24V car storage battery.	
11	V+	Red(thick)		

Notes of the recupricing of pumps oil connectors of both ends are a fine white line (85) and a fine yellow line (85). The fine white line (85) is connected to vehicle positive power(+12V). The fine white line (85) is connected to the device relay control line. Cut off the positive connection line of the pump; then connect connection line of the pump; then connect connection line of the pump; then connection line of the pump; the pump is the p





Please choose the right relay (12V-standard / 24V-iotional) for the proper installation



5. Quick Operation Instructions

ower/ACC/Tele-cutoff(petrol/electricity) control	
device comes with a power cord and is designed to use anufacturer-specified original device. The red line is e while the black one is negative (the side should not be at with ground wire).	
ACC line (white) connects to ACC switch of the	

vehicle. Please be sure to connect the ACC line; otherwise the device will enter ignition detection status when disconnect the ACC line. If you don't need to anti-theft temporarily, just connect the ACC line to the positive side in parallel. 3. Tele-cutoff (petrol/ electricity) control line (yellow) is connected to pin 86 of the Tele-cutoff (petrol/ electricity)

6. SOS line (2 pin)

Standally connect to SOS switch for SOS function.

Operation Tips: 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 device. (","should be English comma a no space before and after the comma)

5.1 APN setting

o ensure GPRS is activated, please make sure APN is o an send SMS command to set APN:

APN command format: APN,APN's Name#
E.g: 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 pa you may need to send SMS command as following: APN,

Defaut platform is www.tracksolid.com
To connect to other platform, please send the Si
change the DNS or server IP:
DNS: SERVER.1,DNS,Port.0#
Eg: SERVER.1,gpsdevtracksolid.com,21100.0#
TD CEDVICE OF DRIBBORT OF

t will reply "OK" after set successfully.

When you want to disable GPRS, you can SMS come to the SIM card number which used in the device. Command format.

Command format.

GPRS OFF, GPRSON.09

It will repty "OK" after set successfully. 5.3 ON/OFF GPRS

5.4 Add specific number

5. 4 Add specific number SMS command to the device to set the SOS number. SOS,A.No.1,No.2,No.38 A means to add new numbers, for example: SOS,A, 138 19905991,138 19905992,138 109059938 If there is only one SOS number, you can appoint a specific number as SOS number. And the null means no adding.

For example: SOS,A,13510905991# means to set the first number as SOS number SOS,A.,13510905992# means to set the second number as

SOS number SOS,A.,,13510905993# means to set the third number as SOS "set successfully, there is a "success" reply SMS

SOS, D, serial NO.1, serial NO.2, serial NO.3#
TO means to delete the number, for example:
SOS, D, 1# means to delete the first number
SOS, D, 3# means to delete the first number
Y you want to delete more than one numbers, you can command:

5.5 Delete specific number

Before deleting specific number, please check its code. For the code, please SMS "PARAM#" to the SMS command to the device to delete the number SOS D serial NO 1 serial NO 28.

command: SOS.D.1.3% means to delete the first and third numbers. If you farget serial number of the mobile number you want delete, you can send this command: SOS.D.mobile number# means to delete the mobile number

inactly.
or example:
OS.D.13527852380W means to delete the 13527852360 directly
distribution of the SOS number, it will receive "Delete number
SOXXXXXXXX success! specific number total 2" for successful
eleting of the specific number.

5.6 Set the center number
If you want to cut difference oil by SMS command, you have to
set a center number 1890, Oily the content number can send the
cut ofference oil command to the device. You can set your own
mobile number is center number.
The command of setting center number (CRYTERA, NORMORE)
For example, CRYTERA, 159420418
If oil accounts of the cain "OK" 1997 message.

NOTE: Only the SOS number can be number successfully.

Warranty instructions and service

The warranty is valid only when the warranty card is proper completed, and upon presentation of the proof of purchase consisting of original invoice indicating the date of purchase consisting of original invoice indicating the date of purchase returney if this information has been removed or changed after the original purchase of the product from the deeler.

decision. Our obligations are limited to repair of the defect or replacement the defective part or at its discretion replacement the product itself.

The product itself is product itself to the product itself.

Service Centre. Warranty core will be void, even if a repair has been attempted by any unauthorized service control. Warranty core will be void, even if a repair has been attempted by any unauthorized service control. Repair or replacement under the terms of this warranty does not growder fight to observision or revewed of the warranty by

Maintenance Record 1				
Date		Serviced by		
Product Model				
IMEI Number				
Fault Description	ons			