Charger	Charging
Battery	User manual
Please check whether the Pictures are for indication	ese accessories are included, n and illustration purposes only.
1. Activate geo-fence fur Geo-fence function is off by SMS command. There are two kinds of G rectangle.	as default. You can activate it
then set a distance as race Go in/out fence SMS: "FENCE,ON,0,latitude,longe.g. FENCE,ON,0,N22.571 It means the radius is 50 2=200M****and so on) The device will reply "OK the device goes in or our send alarm to the SOS in You can also set current centre of the circular fence "FENCE,ON,0,0,0,radius#" when device get located.	gitude,radius#" .39,E113.87710,5# 0 meters (radius 1=100M," if set successfully. As long as t of this circular area, it will umbers. location coordinates as the ce, ! (This SMS is only available
• Go in fence SMS:	6.11

the SOS numbers.

1. Accessories

Charger Battery	Charging User manual	GSM Indicator 2.1 LED status (non-slee)	-
		2.1.1Red LED (Power/wo	
Please check whether these acco	essories are included,	LED Status	Indication
Pictures are for indication and il	lustration purposes only.	Flash quickly (interval 0.1S)	Low battery
		Flash slowly (interval 2s)	Full charge /Working normally
		Flash slowly (Flash 1s after every 2s)	Working normally
		Bright	Charging
		Dark	Out of battery / Troubleshot
1. Activate geo-fence function Geo-fence function is off as defe by SMS command. There are two kinds of Geo-fence rectangle. (1) Circular fence Set a coordinate as the centre of then set a distance as radius. ■ Go in/out fence SMS: "FENCE,ON,0,latitude,longitude,reg. FENCE,ON,0,latitude,longitude,reg. FENCE,ON,0,0×22.57139,E113 It means the radius is 500 meter 2=200M•••••and so on) The device will reply "OK" if set the device goes in or out of this send alarm to the SOS numbers You can also set current location centre of the circular fence, "FENCE,ON,0,0,0,radius#" (This S when device get located).	f the circular fence, and adius#" 8.87710,5# rs (radius 1=100M, successfully. As long as circular area, it will a coordinates as the	the device goes out of thi alarm to the SOS number (2)Rectangle fence Specify two points in the diagonal line, you can dra the rectangle fence. Go in/out fence SMS: Any number send the cor latitude of upper left corn corner, the latitude of low of lower right corner#*. E.g. FENCE,ON,1,N22.541183,E334#	meters. (radius d so on) if set successfully. As long as s circular area, it will send s. map and use them as w a rectangle area, which is
● Go in fence SMS: Any number can send the follow "FENCE,ON,0,latitude,longitude,r. circular fence function E.g. FENCE,ON,0,N22.57139,E113 It means the radius is 500 meter 1=100M, 2=200M••••and so or The device will reply "OK" if set the device goes in this circular a	adius,IN#" to turn on 8.87710,5,IN# rs (radius n) successfully. As long as	 the terminal enter or leave send alarm message to the Go in fence SMS: Any number send the corlatitude of upper left corn corner, the latitude of low of lower right corner, IN# E.g. 	e this rectangle fence, it will be preset SOS numbers. nmand "FENCE,ON,1,the er, the longitude of upper left er right corner, the longitude

334.IN#

2. Appearance

Mini USB Port -

	Indication
Flash quickly (interval 0.1S)	Searching GPS signal
Flash slowly (Flash 0.1s after every 2s)	GPS signal has been acquired successfully
Dark	GPS stops working
.1.3 Green LED (GSM si	ignal status)
.ED Status	Indication
Flash quickly (interval 0.1S)	Receive GSM signal normally
lash slowly (Flash 0.1s after every 2s)	GPRS online
Bright	Incoming / outgoing calls
Dark	No GSM signal or no SIM card installed
20s in the LEDs lighter be automatically turne	ton can turn on the LEDs
	(" if set successfully. Any time
larm message to the pression of the pression of the control of the	nmand "FENCE,ON,1,the er, the longitude of upper left er right corner, the longitude #". 113.916,N22.557743,E113.892 (" if set successfully. Any time ctangle fence, it will send

2. Disable Geo fence

3. Check Geo fence status

Send SMS to disable geo-fence function: FENCE,OFF#

After get reply "OK", geo fence function is off.

Long press the Power button for 2 seconds to turn on/off the device. 3.3 Charge the battery When the red LED on the device starts to flash quickly. the battery should be charged. Please remember to charge it before the first use. Connect the charger to power. Connect the charger with the device. The charging process will take about 4-6 hours. • The device can work normally during charging. Red LED being light indicates that it is charging. When charging is finished, red LED will flash slowly. Send the command SEEFENCE# to check whether geo fence function is on or off. If geo fence is off, it will reply SMS "Switch:OFF". If geo fence is on, it will reply SMS 'Switch:ON:State:IN&OUT:Lat:N22.567000:Lon:E113.890 000, Radius: 100M; Fence Type: Circle." 4.7 Low battery alarm When battery is low, device will send low battery alarm SMS to SOS numbers Low battery alarm SMS: "Warning! Battery is low, please charge in time!" When battery is too low, it will send SMS: Warning! Battery is too low, power off automatically. 4.8 Voice monitoring Any SOS number calls the device and keep ringing for more than 10s, the device will enter voice monitoring status. In this case, caller can monitor the sound around the device. 1. Caller ID function is needed for voice monitoring. 2. Only SOS numbers can monitor the device. 4.9 Terminal position query 1. Address information query SOS number can send the command WHERE# to query the address information. If GPS is located successfully, the device will reply the accurate GPS address information. Otherwise, it will send LBS location first. And then if GPS located within 2mins, device will send another

3. Operation

external power.

may be damaged.

3.2 Power ON/OFF

3.1 Install/Remove the SIM card

1. Please use a GSM SIM card.

Turn off the device, remove the battery and

2. SIM card in the device should be enabled for

3. Caller ID of the SIM card in the device should be

Warning: Please turn off the device before removing

the SIM card. It is forbidden to install or remove the

SIM card while the power is on, otherwise the SIM card

Put the SIM card in the SIM card slot.

and make sure there are no sunshade mask and other anti-GPRS reception material on it . On the bottom of a car such as the side place below door. Do not put it too far inside, otherwise it can not receive GPS signal. 1. Device should be in the place with good GPS reception. SMS with accurate location. Lat:N22.571285,Lon:E113.877115,Course:42.20,Speed:0.07 40.DateTime:10-11-23 22:28:51 If GPS is never located successfully, the terminal will reply the following message after 2 minutes; GPS fail to locate, no data, please try again! 2. Google link guery SOS number can send the command URL# to guery the Google link. If GPS is located, it will reply the Google link of the current position. If GPS is not located over 2 minutes, it will send the link of last position. E.g. < DateTime:10-11-2323:42:51>http://maps.google.com/maps?q=N22.571 490,E113.877103 If GPS is never located, the device will reply "No Data! ' 1. GPS can only be located at the open place outdoor. While at the place without no or little GPS signal, such as, indoor, under the tree or besides the tall building, it can not be located. Yet LBS can be located wherever there is GSM signal. 2. Only SOS numbers can query the position by 4.10 Restore Factory Setting While the terminal can not work normally because of some incorrect parameter setting, you can try to reset the settings and see whether it works. The command: FACTORY#

Warning: The ambient temperature shall be 0°C ~

The device has a strong magnet in rear cover which

The recommended installation position is as follows;

. Below the front windshield with the device front up

Under rear windshield

Around dashboard

by the manufacturer.

3.4 Device installation

Under front windshield

could attach to any mental surface.

40°C while charging. Please use the charger provided

DNS: SFRVFR.1.DNS.Port.0# E.g: SERVER,1,gpsdev.tracksolid.com,21100,0# It will reply "OK" after set successfully. 4.11 Reboot setting If the terminal can not work normally while the parameter settings are right, you can send command to reboot the terminal. The command: RESET After receiving this command, the terminal will reboot in 1 minute. 5. Working Mode 5.1 Mode 1: Locating in a fixed time GPS stars locating when device power on. GPS succeeds to locate within 5 minutes: the GPS off when the first location uploaded and GPS will be activated in every 30 minutes. GPS succeeds to locate within 3 minutes: GPS off after 10 seconds of locating and location will be uploaded to GPS fails to locate within 3 minutes: GPS off and LBS location uploaded to platform. Send SMS command: mode,1# No LBS point uploaded within interval time. LBS location uploaded when GPS fails to locate within interval time. 5.2 Model 2: Locating according to vibration mode In this mode, the terminal will turn on GPS as default. If GPS locates, the terminal will send first GPS location to the platform. If GPS could not locate, it will upload LBS location. In this mode, if the terminal does not detect any vibration, GPS will be off. And after it detects vibration, it will start working again. Send SMS command: mode,2#

2. Do not put the device in some place where may

extremely high temperature, such as around the

radiator pipe or exhaust port, for that it may

4. To place the device under the car, please make

To ensure GPRS is activated, please make sure APN is

correct. You can send SMS command to set APN:

The device will reply "OK" if setting successfully.

following: APN.APN name.user name.password#

Default platform is www.tracksolid.con

command to change the DNS or server IP:

E.g: APN.internet# ("internet" is the APN of carrier)

Note: The APN of some countries have user name and

password, you may need to send SMS command as

To connect to other platform, please send the SMS

APN command format: APN.APN's Name#

3. Do not put the device in some place with

lower the magnetism greatly.

sure GPS is located first.

4. Parameter settings

4.1 APN Setting

4.2 Server setting

get rusty easily.

4 SOS numbers can be set at one time. It will reply "OK" SOS,A.13527852360# means set the first specific number SOS,A.,,13527852360,12510682360# means set the third and fourth SOS number. 2. Delete SOS numbers by SMS SMS command: SOS.D.1.2.3.4# (D means to delete SOS E.g. SOS,D,1# means to delete the first number SOS,D,3# means to delete the third number To delete several numbers at one time, SMS command can be: SOS,D.1,2,4# means to delete the first, second and the fourth numbers If you do not know the serial number, you can also delete number by SMS command like this: SOS D numbers E.g. SOS,D.13527852360# means delete this SOS number directly. It will reply "OK" if succeeded. 5.3 Mode 3: Locating according to command In this mode, the terminal will be in Deep Sleep mode. It will not connect with the platform. You can send SMS command/call to activate checking location function. During this mode, arm / disarm will not be executed. It will reply: "The terminal is in Deep Sleep mode. Please wake up!" Send SMS command: mode,3# 6. Appendix 6.1 Battery security • Please use the original battery. The warranty will be invalid by using any other accessory. The manufacturer will not take any responsibility for any damage caused by not using the original battery. The new battery can realize the optimal performance after fully- charging for 2 or 3 times. • The battery can be used for hundreds of times, yet it will wear out eventually. When its talking time and standby time shrinks sharply, you need a new one. Cut off power supply when not using the charger. Don't charge the battery for more than one week, since over charging will reduce its using time. Do not short-circuit the battery with metal stuff (such as the key in your pocket) Do not bend or open the battery. • Do not put the battery into water or fire. • The battery should never be charged at temperature below 0 degrees or above 45 degrees Celsius.

6.2 Trouble shooting

service provider.

4.3 SOS numbers setting

L. Add SOS number by SMS

3.number 4#(A means add number)

SMS command: SOS,A,number 1,number 2,number

SOS,A.13510682360,13511685136,13612687248,1361268

2. Via Calls problems Bad reception The terminal car not switch on Can not make voice monitoring Can not connect to the network Can not charge Can not check If there is any problem while operating the terminal, please refer to the following table, or contact your information

There are 3 methods to activate/deactivate defense 1. Via Power button Short pressing Power button twice to activate arm status. The three LEDs will flash slowly one by one. After 3mins, the device will enter the arm status, and the LEDs will then flash quickly one by one. Short press Power button twice again to deactivate arm Any SOS number calls the device and then ends up the call by the mobile side in 10s, the device will enter arm status and then reply SMS "Remote setting up defense Successful". If the SOS number does not end up the call in 10s, it will activate monitoring function. Any SOS number calls the device and then ends up the Near the tall building | Change to a place or in the basement with good signal Change a new No battery power No preset SOS numbers | Set SOS numbers SIM card is without ctivate the function Caller ID function SIM card is not heck the SIM card inserted correctly The sheet mental of Vipe it clean SIM card is dusty ontact your internet nvalid SIM card ervice provider Move back to the Out of GSM service GSM service overed area ry again in a strong Weak signal signal area charging range of the Voltage is out of proper voltage Use charger that come Non-standard charger with the package Check if the Poor contact plua is in Please contact the GPRS function is not SIM card operator to activate GPRS

position data

3. Add SOS number via platform

device connects to the platform.

You can set SOS numbers via the platform when the

Only the SOS number can make the operation as remote defense, monitoring and SMS checking 4.4 Arm/disarm

Restart the device Can not get the

Contact with your

distributor

It is not a SOS number | Set SOS number

successfully. Only SMS from SOS numbers is valid. Send SMS "000" to disarm. And the device will reply SMS "Successful remote disarm" if it is set successfully. Only SMS from SOS numbers is valid. 1. If you put the device in the car, please do not set arm when you are driving as it will activate the vibration sensor. 2. Only SOS numbers can set arm or disarm. B. Device SIM card should activate caller-ID function. 4.5 Anti-theft alarm In defense status, once there is a vibration, the device will send alarm SMS to the SOS numbers in 10s. If the device is located, it will send accurate GPS location to SOS numbers. Otherwise, it will send LBS location first. Once it is located successfully in 2 minutes, the device will send a GPS location.

call by the mobile side in 10s, it will disarm status from

the arm status and then reply SMS "Remote disarm

succeeded", if not ends up the call in 10s, the device

Send SMS "111" to arm. And the device will reply SMS

"Remote setting up defenses Successful" if it is set

3. Via SMS command

While if the GPS is neither located nor connect to the platform, the device can not get the position information. Then it will send SMS "vibration alarm! Attention" to SOS numbers. 1. The device will only alarm once in 5mins. 2. If device can not send SMS normally, please check whether there is enough balance in the SIM card. 4.6 Geo-fence You can set a special area as geo-fence field. When the car or person gets in/out of this area, the device will send alarm to SOS numbers when the geo-fence function is ON. VEHICLE TRACKER User manual (Version V2.4)

GPS location: "vibration alarm: Date time: 12-10-31

LBS location: "vibration alarm: Date time: 12-10-31

http://maps.\google.com/maps?q=N22.577169,E113.916

http://maps.\google.com/maps?q=N22.577169,E113.916

During vibration alarm time, if the device is located, but

fail to connect to the platform, the device will send

E.g. "vibration alarm: N23.111748.E114.409215.11"

longitude and latitude information

20:08:18

20:08:18

Please read this manual carefully before attempting installation and online activation. Pictures are for indication and illustration purposes only.