GPS Terminal User Manual

(HQ6006A-V37)

CAUTION

1、Please read the manual carefully before install the equipment.

2、Please insert the SIM card before install the equipment, otherwise it does not work normally.

3、Please connect the equipment and all other cables correctly and then connect the power line. Do not install or remove in case of power-on condition. Turn off the power if there are missing line or incorrect connections, otherwise the equipment will be damaged easily.

4、It is suggested to install the equipment in the designated installation position. If abnormal conditions occur, please go to repair in the designated repair service immediately. If the product is installed or repaired in the non-designated position, it is not in the scope of warranty.

5、The product is a wireless communication equipment, it is possible to communicate abnormally because the signal problem.

6、The product is a wireless communication equipment, please turn off the power when the equipment enters the gas station or other places of dangerous goods.

7、The device operating voltage is between 9V to 32V, please operate within this voltage range.

8、In order to avoid electromagnetic interference, please stop using the equipment where the notice is posted.

9、Please be sure to focus on normal operating status of the device.

Technical Specifications

1	Scope to use	Apply to vehicle or vessel positioning and dispatch management	
2	Conditions of Use	ambient temperature	-20℃～+70℃
		Relative humidity	≤90%
		Atmospheric pressure	86～106KPa
		Power supply	9—32Vdc
3	Mechanical properties	**Size**	
		host	157mm×90mm×40mm
		Weight	
		host	About 1.0kg

	Main functions	
Item	**Function**	**Description**
1.	Service center number settings	Set service center munber through the center's command or handle
2.	ID setting	Set ID munber through the center's command or handle
3.	Communication number settings	Set SOS number and SMS service centernumber through the center's command
4.	Login password settings	Set login password through the center's command or handle.
5.	Into or out of range prompt	Set the status prompt for into or out of the range through the center's command, include: into the range prompt, out of the range prompt, into and out of the range prompt, no prompt.
6.	Modify LCD menu	Modify the display content of LCD menu through the center's command, the content length of each fixed menu information is up to 12 characters
7.	Network operator settings	Modify network operator through the center's command
8.	Call restrictions	Set call restrictions, include: dialing limit, answering limit, dialing prohibit, answering prohibit
9.	Special parameter settings	Set the parameter such as maximum speed, entering the power-saving time ◆ If the vehicle's speed is greater than the maximum speed, the terminal will send speeding message to the center. ◆ When ACC is off, the terminal will enter power-saving status after 30min later, this time can be modified by setting the parameter of entering the power-saving time. When this parameter is setting to zero, the terminal will never enter power-saving status.
10.	Function switch settings	Set the switch of some functions, such as login message upload, offline message upload, DTMF message upload.
11.	Control terminal's work status	Control the terminal's work status through the center's command: A. Unconditionally restart, cancel all non-normal prompt and vehicle status. B. Restore factory settings and restart. C. When ACC is off, turn off the communication module, the GPS module and the bus power
12.	Cancel non-normal status prompt	Cancel the non-normal status prompt and the terminal will return to normal working status
13.	Single position function	Request one position information from the terminal
14.	Monitor	Set the terminal into the listening state through the center's command. At this time LCD panel will display character 'M', indicating that terminal is in a listening state.

15.	Check the vehicle's battery voltage	Request the vehicle's battery voltage from the terminal through the center's command
16.	Ckeck the vehicle's mileage	Request the vehicle's mileage through the center's command
17.	Real-time satellite positioning	Set the time interval and the number of positioning information through the center's command
18.	Text message scheduling	Receive text scheduling information from the center, including: public information/company information, responder information, scheduling information, digital return information, etc.
19.	TCP wireless data transmission	Set TCP/IP parameter through the center's command: A. server IP address, local port number, server port number. B. Username, password, dialing number. C. Whether to enter / Release TCP working status and time to get into this state.
20.	Non-normal tips	◆ Emergency tips: the terminal will upload emergency information for help when user presses the emergency button for three seconds or more. ◆ Non-normal use tips: the terminal will upload non-normal use information when the user enter the wrong password three times or no password is entered within 90 seconds if password is needed.
21.	Power outage tips	The terminal will upload power outage tips to center when the power line is cut off if backup battery is connected
22.	Compensation for the dead zone of mobile communication	To avoid losing necessary messages, the terminal will save the messages when it enters the dead zone of mobile communication. The terminal will upload these messages to the center while the mobile communication is normal.
23.	Remote wireless software upgrade	Software can be upgraded remotely through the center's command. When the terminal receives upgrade-command from the center, it will judge whether or not the version match the upgrade condition automatically.

* **Special Note**: These features can be selected or changed according to the needs of customers, and ultimate function of customer agreement shall prevail!

FCC Regulations:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device , pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiated radio frequency energy and, if not installed and used in accordance with the instructions,

may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Information

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

Product wiring diagram

See *GPS Terminal Installation Instructions* for detail.