GPS Watch User's Manual

Please read this user's manual carefully and always use correct operation methods to prevent any possible errors.

This user's manual is for reference only. If some contents and operation steps are inconsistent with those for the actual product, the latter will prevail.

The defaulted password of this product is 0000.

I..Appearance and Buttons

S/N	Button Key	Function
A	Power On/Off	Power switch-on and off
B	MIC	For voice transmission during a call
C	Charger Connector	For power charger
D	Mode-Switch	Time / GPS information interface switch
E	Number 1	Predetermined number 1
F	SOS Key	Emergency aid (SOS button)
G	Number 2	Predetermined number 2
H	Speaker	For voice and ringtone output

II. Preparation before Use

2.1 Installation of SIM Card

Open the back cover, push the SIM card into the slot until it comes into its proper position completely and consolidate it with the dome sheet nearby.

Choose SIM card: The type of the SIM card is GSM card (the SIM card of China Mobile is recommended).

Ensure sufficient money is within the SIM card in order to pay the communication fee.

Prepare a SIM card for mobile phone, make sure that the card has opened such functions of Caller ID and sending and receiving SMS. If service platform real-time tracking is in need, then GPRS function should be open.
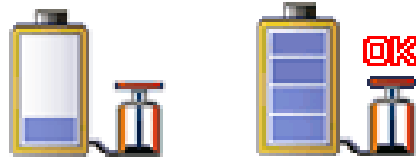
2.2 Charge the Battery

When a new battery is used, please make sure the battery runs out of power prior to charging. To ensure maximum lifespan of a new battery, it is suggested to charge the battery for more than 12 hours for the first 3 charge and discharge cycles.

The normal charging time of this product is 4-5 hours.

Put the battery into the inside of the terminal and connect the charger to 100V/220V AC power supply to charge the battery. Then the power indicator on the upper right corner of the terminal screen will keep strolling as showed in picture 3-1:

When the battery is fully charged, the power indicator will stop strolling; if the battery is charged on switch-off mode, the following picture 3-2 indicates the charging is finished:

picture 3-1   picture 3-2

Notes:

Please use the charger offered by the supplier. Dangers damages of the product caused by usage of any unconfirmed charger will not be compensated and repaired.

The battery should be charged in time when the terminal automatic shutdown or being alarmed with low power.

The standby duration and call duration offered by the supplier is calculated in perfect functional mode, in practice, working hours of the battery may vary due to difference of internet service, functional mode and usage mode.

Disconnect the terminal and charger as soon as possible after the battery is well charged.

Technical Specifications

GSM module	GSM 850/900/1800/1900 MHz Quad frequency
GPS sensitivity	-163dBm
GPScenterfrequency	L1, 1575.42MHz
GPS chip	G-TOP
GSM chip	MTK
GPS positioning accuracy	5-25m
GSM positioning accuracy	100-500m
Speed accuracy	0.1 m/s
Time accuracy	Synchronous with GPS
GPS Datum	WGS-84
Hot start	< 1s
Warm start	< 38s
Max. altitude	18000m
Max. speed	515m/s
Gravitational acceleration	< 4g

(2). Others

Operating temperature	-20---65℃
Humidity	5%---95%
Dimensions	64.5mm×45.5mm×17.5 mm (main unit)
Voltage	Rechargeable 450mAh battery
Power supply	DC5V
Standby time	>48h
Buttons	SOS button for emergency aid; Call 1, Call 2, Switch on / off buttons, interface switch button

III.. Operation Method of Basic Functions

1.Location Inquiry
In order to activate the GPS watch, you must first install the SIM card into the watch. After the watch is turned on, you must first send a single SMS message to the watch with number "1" entered into the message. If you do not do this, the GPS functions will not work.

(1) SMS Inquiry
Create 988 + password command (defaulted password as 0000) via mobile phone and send it to the terminal mobile phone number; after successful sending, the guardian's mobile phone will receive a piece of message which is the Google website message.
In the same way, send command 666 plus password to the terminal, then the terminal will return a piece of detailed latitude and longitude message.

(2) Platform Inquiry

Step 1: Log onto the platform (Please contact with the service provider to get the platform address).

Step 2: Click the terminal of the ward, then the location of the ward will be displayed on the map.

2. Setup of Centre Number

Set the centre number by SMS through the mobile phone, after the setup is successful, then the mobile phone that sending the SMS will receive the "&710&successful setting&&" response message from the terminal.

Command format: #710# center number # user password ##

For example: #710#134xxxxxxxx#0000##

Note: All alarming information thereafter including SOS, low power, electronic fence, etc will be returned to that number.

3. Bi-directional Call Function

Incoming calls can be rejected by pressing upper left button or received by pressing middle right button.

Send the command in form of SMS to the terminal via mobile phone. After the setup is successful, the mobile phone will receive the "&711&successful setting&&" response message from the terminal.

Setup format: #711# Call1# Call2 # Call3 # 0000##

incoming call interface and call duration interface

Notes: After the setup is successful, press the upper right button for a while, then the terminal will automatically dial the first phone number. Press the bottom right button, then the terminal will automatically dial the second phone number.

4. Adjust Receiver Volume

While making phone calls, the user could press upper or bottom right button to adjust receiver volume.

5. SOS Function

If a ward number (predetermined number in item3) is set, when the ward encounters emergency and presses the SOS button, the terminal will send alarming information to the center number and dial the three ward numbers in turn.

SOS SMS format: IMEI number: SOS (information about latitude and longitude or base station)

Example: 356823031017473:SOS（11354.6397,E,2232.6283,N）

　　　　or 356823031017473:SOS（26280E77）

Remarks: when interface in picture 5 appears on the phone, the terminal will

skip to standby mode automatically; sound and interface during the dialing will be completely shielded.

6. Monitoring Function

The guardian may send SMS 555 plus password to the terminal of the ward, then the ward terminal will automatically call back to the mobile phone of the guardian and the guardian may hear the sound of the surroundings within 10m around the ward.

SMS format: 5550000

Remarks: 0000 is the initial defaulted password and in practice the password could be set by the user.

7. Regular Upload Interval Setup

The defaulted upload interval of this product is 0, meaning that the defaulted GPRS is closed. The user may change the parameter according to actual demand.

Command format: # 730# Sampling interval # Pieces of uploads # User password ##

Example: #730#20#4#0000##

Notes: The parameter "20" indicates getting one point every 20s; after getting points accumulatively for 4 times, upload one piece of positioning information with the upload interval as 20*4=80s. The user may change this parameter as the case may be.

8. Function of Changing Password

Send the SMS "#770# User new password # User old password ##" by mobile phone to the terminal number, after successful sending, the mobile phone with such setup will receive one piece of '&770&successful setting&&' response information or '&770&PASSWORD ER&&' if the password is wrong, as shown in the following picture:

9. Set User name Command

SMS Command Format: #801#4~20-digit letters or numbers #4-digit password ##

Example: #801#13900139000#0000##

Notes: After executing this command, the user name of the terminal on GPRS mode is required to be set up according to actual demand. After the setup is successful, the terminal will send reply with '&801&successful setting&&' or

'&801&PASSWORD ER&&' if the password is wrong.

10. Set APN Command
Create the SMS "802#APN letters or digits, 4-32 bits # Log user name letters or digits 4-32 bits in # Log password letter or digits 4-32 bits in # terminal password 4 bits ##" and send it to the terminal; after executing this command, the terminal will automatically restart and connect to GPRS with APN set.
Command example 1: #802#cmnet###0000###
Command example 2: #802#internet#guest#a1234#0000##
After this command is executed, APN will be internet; the login user name is guest and login password is a1234.
Note: The default APN of this product is CMNET.

11. Setup of Server Address
Command Format: #803# Fixed IP address# port number#4-digit password##
This command is used to set GPRS center server address, which could be fixed IP number, like num1.num2.num3.num4……as well as domain name with the length less than 64. After the setup is successful, the module will send a reply with '&803&successful setting&&' or '&803&PASSWORD ER&&' if the password is wrong.
Example: #803#111.74.238.24#1001#0000##

12. Low-Voltage Alarming Function
If the terminal of the ward has a very low power and needs to be powered off, the terminal of the ward will automatically upload one piece of low-voltage alarming command to the monitoring center number.
SMS Format: IMEI Number: low power; please charge the battery in time (information about latitude and longitude or base station)
Example: 356823031017473: low power, please charge the battery in time (11354.6397, E, 2232.6283, N) or 356823031017473: low power; please charge the battery in time (26280E77).

13. Auxiliary Function
(1) #901##   Command of inquiring machine parameters
(2) #902##   Command of inquiring GPRS parameters
(3) #904##   GPRS connection command
(4) #905##   GPRS disconnection command
(5) #907##   mute when calling
(6) #908##   close the function of mute when calling

IV.. Troubleshooting

If there is a problem in you watch, please refer to the help information in the following table. If you still can not solve the problem after referring to the table below, please contact your dealer.

Failure	Possible Cause	Solution
The phone can not be turned on	The battery is out of power.	Charge the battery
	The【Power-on key】is not pressed and held long enough.	Please press and hold the 【Power-on key】 for more than 2 seconds.
	The battery is installed incorrectly.	Install the battery correctly.
You can not make a call	Outside the service area	Try again in a place with strong signal.
	The dialed phone number is incorrect.	Check whether the phone number is correct.
The call is interrupted or there is noise during a call	Weak signal	Try again in a place with strong signal.
	There are buildings around which block signal transmission.	Try again in another place.
	Moving at high speed	Transient signal interruption occurs in the case of switching between base stations, please slow down or do not move during a call.
The battery can not be charged.	The charger is not properly connected	Reconnect.
	The power cord of the charger comes off.	Check the connection.
	The battery wears out.	Use a new battery.
	The battery is total empty.	Connect the charger, then wait 10 minutes and observe whether the charging indicator appears on the screen.
The position of the phone can not be checked after logging in to the positioning service	The GPRS service of the SIM card is not subscribed.	Dial the SIM card operator's service hotline, and subscribe to the GPRS service.
	Weak GSM signal	Try in a place with strong GSM signal
	The platform query function is not enabled.	Use a mobile phone (phone number: preset SOS number) to send a message (content: "1") to the elderly-friendly mobile phone to enable the function.
	The phone charge is overdue	Recharge your mobile phone account.

platform.		

Notices:
- This device is of non-waterproof design;
- The device shall be supported by the GSM/ GPRS network;
- Make sure that there is sufficient balance in the SIM card account, so as to avoid inconvenience;
- The device can not work under power-off state or outside the service area, even you are a registered user;
- * This device supports GPS and GSM/GPRS dual positioning mode;
- Please use this device in legal areas. Any consequence arising from violation of the laws shall be solely borne by the user.

* In the case of weak GPS signal, drift occurs easily when the terminal is stationary!