GPS Tracker

User Manual

Version 1.0

Content

1.Product Introduction:

Caref Watch

Caref Watch is the smallest GPS watch tracker in the world, it is designed especially for kids, old person, and Outdoor sports.

Caref is short for "Care for Family". The products integrated GPS and GPRS features with waterproof function. It is able to realize the real-time tracking, emergency alarm, two way voice communication, and workable for outdoor exercise in rain or even in water. We can get to know the exact situation of wearer remotely by PC or mobile phone to take care of your beloved one by the watch at any time anywhere.

Caref Watch is designed with five different colors respectively are yellow, black, purple, pink and green. Its delicate appearance and comfortable materials bring you and your family to a safer and colorful life.

Before using the watch, pls kindly carefully read the below information, it will help you to operate more efficiently and make the watch work more perfectly.

2. Characteristics:
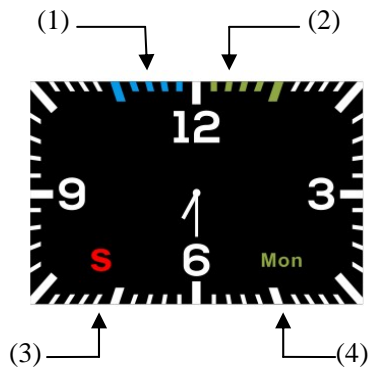1) The smallest size in the world: 40mm*30mm*12.5mm.

2) Waterproof level IP 67.

3) Delicate appearance and comfortable materials.

4) Real-time tracking.

5) Low-power consumption, working time reach 12 hours.

6) Two way voice communication.

7) Preset three dialing number.

8) Build-in G-Sensor for saving the battery.

9) LBS positioning when under buildings.

10) Build-in flash memory for coordinates storage.

11) GEO-Fence alarm.

12) Emergency alarm.

13) Available for voice mornitoring.

3. Specification:

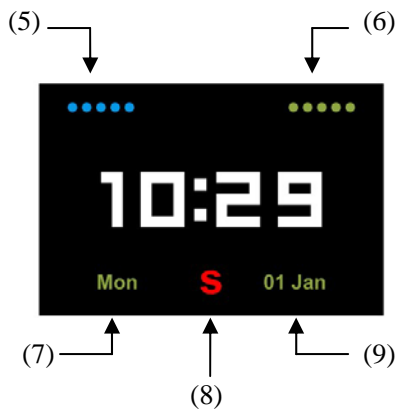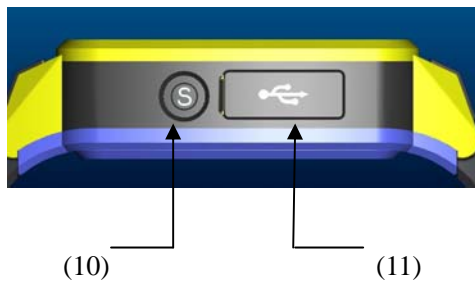| Items	Parameters
GSM Chipset	MTK
GPS Chipset	U-blox
GPS Sensitivity	-163 dBm
GPS Positioning Accuracy	5-25m
GSM Positioning Accuracy	100-500m
Waterproof Level	IP67
Speed Accuracy	0.1m/s
Time Accuracy	Synchronize with GPS
GPS Data	WGS-84
Hot Start	<1s
Warm Start	<38s
Max Altitude	18000m
Max Speed	515m/s
Gravity Acceleration	<4g
Operating Temperature	-20℃—65℃
Humidity	5%—95%
Size	40mm*30mm*12.5mm
Battery	Rechargeable lithium polymer battery 350mAh
Power Supply	3.7V-4.2V, 0.2A-0.5A
Standby	>48h
Working Duration	>8h

4 Interface Description:

4.1 Clock Inteface

(1): GSM signal indicator

(2): Battery volume indicator

(3): Indicator for SOS alarm successfully activated

(4): Week indicator

4.2 Digital Clock interface

(5): GSM signal indicator

(6): Battery volume indicator

(7): Week indicator

(8): Indicator for SOS alarm successfully activated

(9): Date indicator
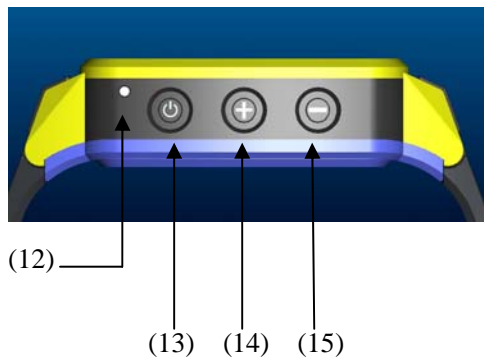
4.3 Profile in right

(10): SOS Key

You can preset 3 mobile number by command, eg:

 # SERVICE #number1#number 2# number 3#000000##

When configure OK, pls press SOS key for more than 3S, the device will call to these three numbers in turn.

(11): USB Slot for USB charger and configuration cable

4.4 Profile in left

(12) —— (13) (14) (15)

(12): Mic Slot

(13): Power Key

    Shortly press for shift the clock interface.

    Longly press for power on and off

(14): Volume +

    Longly press for calling to service Number 2 you have preset

(15): Volume -:

    Longly press for calling to service Number 3 you have preset

5 Configuration

5.1 SMS configuration

Function	Command	Notes
Set user information	**#NAME#name of user#password#** Eg: #NAME#GATOR#000000#	Default password is 000000 Replied SMS: Config OK=Set successfully Config failed=fail to set
Set service number	**#SERVICE#number 1#number 2#number 3#** Eg: # SERVICE #13512345001#13512345002#13512345003#000000#	When configure OK, pls press SOS key for more than 3S, the device will call to these three numbers in turn, after hanging up, the device will send the location information to these three numbers respectively
Set APN and server information	**#SERVER#APN#APN's username#APN's password#IP#port#password#** Eg: #SERVER#CMNET#211.154.139.208#8885#000000#	If the APN has no username or password, then we only edit APN in the command like the

		example.
Set low power alert	**#POWER#status number#password#** Eg: #POWER#1#000000# **Alert SMS content, eg:** Low power alarm from GATOR, the current location is http://maps.google.com/?q=23.12345,120.12345	Status number: 1=open the low power alert 0=close the low power alert Default setting is status 1
Set time zone	**#TIMEZONE#E/W#HH:mm#** Eg: #TIMEZONE#E#05:30#	E=Eastern hemisphere W=Western hemisphere HH=hours Mm=minutes The default time zone is according to GMT+8, Pls set to your time zone
Set interval	**#INTERVAL#interval time(unit: s)#password#** Eg: #INTERVAL#300#00000#	When it is set ok, the device will upload data to software at the set interval. Minimum interval=300s
Set Working mode	**#MODE#mode number#password#** Eg: #MODE#0#000000#	Mode number: 0=GPRS mode 1=SMS mode
Set Emergency mode	**#SOS#password#** Eg: #SOS#000000#	When you activated the emergency mode, the device will upload data to server at 10s interval for 5 minutes, then back to the preset interval again.
Check GPS location	**#LOCATION#password#** Eg: #LOCATION#000000# **Replied SMS content, eg:** The current location of GATOR is http://maps.google.com/?q=23.12345,120.12345	You can get the current location data from the device
Check working status	**#CHECK#password#** Eg: #CHECK#000000# **Replied SMS content, eg:** Device ID:IMEI number; Phone number:13512345001, 13512345002, 13512345003; APN: cmnet, apn username, apn pwd; Server: 211.154.139.208, Port:	You can get the current working status information from device

	8870; Interval:60; Speed: 0km/h; Password: 000000	
Check firmware version	**#VERSION#password#** Eg: #VERSION#000000#	You can get the firmware version information from device
Restart device	**#RESTART#password#** Eg: #RESTART#000000#	Restart the device by SMS
Reset to defaults	**#FACTORY#password#** Eg: #FACTORY#000000#	If you want to remove all the information that you have set in device, pls send this command
Modify password	**#PWD#old password#new password#** Eg: #PWD#000000#112233#	Default password is 000000

5.2 Software configuration

6 Standard Accessories

6.1 Adaptor image

6.2 Adaptor Specification

   Input: AC100-240V, 50-60Hz, 0.15A Max

   Output: DC 5V, 500mA

6.3 USB cable image

Federal Communications Commission (FCC) Statement

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.

Note: This equipment 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 radiate 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.

Warning: Changes or modifications made to this device not expressly approved by GATOR GROUP CO., LTD may void the FCC authorization to operate this device.

Note: The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

The antenna(s) used for this transmitter must not be colocated or operating in conjunction with any other antenna or transmitter.

RF Exposure Information (SAR)

This mobile phone meets the government's requirements for exposure to radio waves. This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 4W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. The highest SAR value for the model phone as reported to the FCC when tested for worn on the

body, as described in this user guide, is 1.74 W/kg (Body worn measurements differ among phone models, depending upon available accessories and FCC requirements.)

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: 2AA2SCAREF.