A20 User Manual

Please read the instruction manual before using, in order to install SIM card properly and use the product easily.

1.How to use:

1. Please check the ID number of this product in the label of external box; find out all accessories inside the box.

2. Before power on: please insert GSM network **Nano** SIM card (Which can support one of the network modes: GSM 850,900,1800,1900MHZ, order the caller ID function and order monthly mobile internet traffic data from your mobile operators (it must be GPRS traffic, not less than 30 MB/month traffic package). Please note that this product only supports GPRS internet. There must be GPRS traffic available in the SIM card. This locator doesn't support 3G and 4G.

3. **Power on:** press the power button for 3 seconds or more until power on.

4. **Power off:**

By the GPS watch: (1) without sim card: long press the power button above 3 seconds to power off.

        (2) with sim card: short time press the power button 10 times to power off or use

By APP: entering Settings——— Remote shutdown.

5.**How to charge:**   Put the magnetic adsorption charging head on back of the GPS watch, connect the phone charger (5V 1A output) to charge.

2. SIM card installation method

1. Unclench the lid of SIM card slot with tool   2.Insert the SIM card into the
card slot

3. Equipment parameters

Power/ SOS button

Positioning: GPS satellite positioning + BeiDou positioning + AGPS auxiliary

positioning+WIFI positioning+LBS base station positioning

Device dimension：49X40X14.5mm   Gross weight：52g

Battery capacity: 500mAh

Monitoring Platform: support android phone, apple mobile phone system, computer webpage login, etc.

4.Product function

1.Real time tracking

2.Call function

3.Historical route query

4.Geo-fence

5.Voice monitoring

6.Do not disturb mode

7.Tone Mode

8.Clock Alarm

9. Voice Talk

10.Health Step

11.Heart Rate and Blood Pressure

12.Pill Alarm

13.Sedentary Remind

14.Fall Down Alarm

15.Language and Time zone

16. Voice Timekeeping

17. Show IMEI@ID

18.Other settings and functions

5. Function declaration

5.1 Real time tracking

There are three kinds of tracking mode. User can select setting in the phone APP software function to choose the working mode.

1. Rapid positioning (1 minute): equipment at 1 minute intervals updates location information, we don't suggest choosing rapid positioning model, because the battery will be lower sooner than standard mode obviously. We don't suggest selecting this one.

2. Standard positioning (10 minutes): equipment updates location information according to the time of 10 minutes interval. We suggest selecting this one.

3. Save electricity positioning (an hour): equipment in one hour time interval to update location information, the power-saving mode use battery slowly. This one is good for power saving.

5.2 Call function

Please set admin number (monitoring number) before the following operations

（1） **Setup whitelist** :Click APP setting—whitelist—setting phone numbers （Maximum 5 contact numbers can be set, only the phone numbers in whitelist can

call this watch）.

（**2**）**Phonebook**：Click APP setting—Phonebook—Setting name, phone numbers
（Maximum 15 contact numbers can be set in the phonebook；After setting up
phonebook, can choose one contact in phonebook to initiate a call through phone
Icon button of watch home screen）.

（**3**）**SOS emergency call**

If you have set up the family number (SOS number, maximum two), the GPS
watch will dial the family number when long press power/ SOS button, If the first
number answers, it will not dial the second number. If the first family number does
not answer, it will dial the second number automatically, the GPS watch will stop
dialing after circularly dial twice.

Note: After ordering the caller ID function, it admin number or white list or phone
book or any of the family numbers are set, the watch will refuse calling from the
stranger automatically. Whitelist, phonebook and family number can be set in
completed phone number or short number. When there is SOS call from GPS watch,
if the first family mobile phone number answers the call by leaving voice message,
the watch will not dial the next family number.

5.3 Historical route query

This product will keep 3 months of route information. If two GPS positioning points are
very close to each other in the historical route data, the redundant one will be deleted
automatically.

5.4 Geo-fence

APP Geo fence—click upper- right "+"—Move circular area on map(android phone can set circle radius by upper " +" and "-", IOS can set Geo fence by moving upper icon)—Mark Geo fence name(such as family or school)—Save.(suggesting the Minimum radius 500m)

If the watch is out from fences, mobile phone APP client-side will receive the alarm information from GPS locator platform. Alarm information frequency is related to the positioning interval time setting, the shorter positioning time interval, the more frequent to detect if out of Geo-fence or not.

5.5 Voice monitoring

APP settings—voice monitoring—fill in the monitor mobile phone number—click ok(wait for a while and then the equipment will dial your mobile phone number; you can listen to the voice around locator after pick up your mobile phone).

5.6 Do not disturb mode

APP settings—do not disturb mode—set up do not disturb timing(Maximum four groups timing) within the time interval, unable to call the locating watch, unable to slip the screen.

Do not disturb mode setting is only available from Monday to Friday. The "do not disturb" function does not work at the weekends on Saturdays and on Sundays

5.7 Call Alert Setting.

APP: Settings -> Call Alert -> Vibration+Ring/Ring/Vibration/Mute, 4 types

5.8 Clock Alarm

APP: settings—Clock Alarm—set clock alarm time (Alarm clock reminder can be one time, daily and user-defined, can be set according to your own needs)

5.9 Voice Talk

Intercom between gps watch and app for voice conversations:

1- Send voice message or text from APP to GPS watch: APP voice—hold the button to talk—release the button to send; Or send text. (Note: the maximum voice message can be up to 15 seconds. User can swipe up finger to cancel voice recording.

2- Send voice message from GPS watch to APP: click talk icon—hold to talk—release to send.

5.10 Health Step

How to use health step:

Step counting is default to be closed, so you need to manually turn on this function, by following steps in APP:

From APP: Health Step—The upper- right corner setting icon—according to your need to set time period of counting (three groups), pace and weight parameters, finally turn on the step counter switch. You can turn off the counting function when it is not needed.

You can check the steps number in the GPS watch "step "; Can check the number of calories and steps number of the day or historical sport route in the APP .

5.11 Heart Rate and Blood Pressure

One time measurement: Wearing a watch, from the watch, click " heart rate blood pressure", then the watch will be into the measurement interface, it will display the measurement result in about 30 seconds, and send to the server.

Timing measurement: From APP, Click "Heart rate/BP"- click the upper right corner setting icon-Select Custom Upload-set the upload interval (not less than 5 minutes).

Note: The measured data result is displayed on the app for one-time measurement or timing measurement both.

5.12 Take pill Alarm

From APP, Settings-Pill Alarm-Set pill alarm time and reminding text(pill alarm time is divided into single, daily and custom, can be set according to our own needs)

Note: Single means Ring once; Daily means it rings every day; custom means we can set the bell reminding time from Monday to Sunday . The three bell reminding ways can be set as single, daily, or custom.

5.13 Sedentary Remind

From watch: Click "Sedentary"- select open- set reminder time-save

After opening Sedentary reminder, if the watch does not detect movement during the set time period, it will remind elderly to get up for activities.

5.14 Fall Down Alarm

From APP,Settings-Fall Alarm-Open Fall Alarm/Fall Call Alarm

Note: After turning on fall down alarm, the watch will issue an alert if falling down is detected, if turn on call alert for falling down, the watch will also call the admin number. User can click to stop sending alert if it is error detection.

5.15 Language and Time zone

From APP, Settings-Language and time zone(English/Chinese/Russian)-Set time zone

5.16 Voice Timekeeping

From watch, press the power button twice.

(If want to shut down this function, send SMS command to shut down it,

Shut down command: pw,123456,clock,0# If want to turn on it again, send this

command: pw,123456,clock,1#)

5.17 Show IMEI@ID

From watch, click IMEI&ID, can know the ID of the watch, scan QR Code can know IMEI number.

5.18 Other settings and functions

The watch also has many other features, user can operate and use by mobile APP.

6.App installation

6.1 Scan the following QR code to download software APP "Amber360" for cell phone.

APP for Android system   APP for IOS system

6.2 Backend Website : http://www.amber360.com/

6.3 **For Android,**

You can download the app from "Google play" by searching " Amber360"

For IPhone,

You can download the app from "app store" by searching " Amber360"

Note: during the APP installation process, it will ask you whether to trust this program, or whether to allow access to mobile phone location, please choose trust or allow.

7. **Setup APN for access of network**

SIM card in some countries needs to setup APN before access to GPRS network, please contact your SIM card operator or check the website of the SIM card for the APN information.

	Command	Example (manually send following SMS from mobile phone to GPS locator)	After you send SMS, feedback will return SMS to you as following
Setup APN	pw,123456,APN, APN name,user name, password,MCCM NC#	If your APN name=wap.tmobil.cl, user name=wap, password=wap, MCC=730, MNC=02, then you can send this SMS to your GPS Locator: pw,123456,apn,wap.tmobil.cl,wap	APN:wap.tmobil.cl;user:wap;passwork:wap;userdata:73002.

		,wap,73002#	

Remarks:

Use your mobile phone, send above SMS command to the GPS tracker SIM card. After you send the SMS command, please check if you get a set up success replied SMS from GPS locator.

Command format:

pw,123456,apn,apn name,user name,password,MCCMNC#

Example: BSNL SIM card, the APN name is bsnlnet, user name null, password null, MCC=404, MNC=80

Then send sms command: pw,123456,apn,bsnlnet,,,40480#

(Note: If the user name and password is null, you still need to leave it blank and keep the comma character as above)

APN will set successfully after you get the reply SMS from GPS locator.

Note: Each operator's APN information is different, please contact the operator for their APN and MCC, MNC information, thanks.

Chapter 1 Troubles & Shooting

Troubles	Shootings
Device is not enabled on app	Please check if : 1. SIM card is not enabled

	2. APN is not setup
Device is offline on APP	Please check if： 1. SIM card has no signal 2. GPRS is canceled or not enabled 3. The SIM card is in debts
Positioning is not accurate	The device support two modes of positioning, 1. GPS positioning is mainly for outdoor positioning, the accuracy is around 10 meters. 2. GSM positioning is mainly for indoor positioning, the accuracy for LBS positioning is around 500-1000 meters.

Chapter 2 Main SMS command summary sheet

Command type	Command format	Example(manually send following SMS from mobile phone to GPS locator)	After you send SMS, there will be feedback (SMS returns from GPS locator to your mobile phone)

Setup center number	pw,123456,center,xxxxxxxxxxx#	pw,123456,center,13640927062#	Central number：13640927062. setup success!
Setup APN	pw,123456,apn,apn name,user name,password,MCCMNC#	pw,123456,apn,wap.tmobil.cl,wap,wap,73002#	APN:wap.tmobil.cl;user:wap;passwork:wap;userdata:73002.
Setup the upload time interval	pw,123456,upload,x#	pw,123456,upload,300#	Upload time interval:300S;setup success!; upload：300s;ok!
Inquiry the URL for map	pw,123456,url#(need the platform support)	pw,123456,url#	[GPS] http://maps.google.com.hk/maps?q=N22.568657,E113.8663225
			[BASE] http://maps.google.com.hk/maps?q=N22.568657,E113.8663225
Inquiry parameters	pw,123456,ts#	pw,123456,ts#	ver:G19C_BASE_V1.0_2014.05.19_09.38.29; ID:7893267577; imei:000078932675770; ip:121.37.43.203;

			port:8711; center:125201364092 7062; upload:300S; workmode:2; bat level:3; language:1; zone:8.00; GPS:NO(0); GPRS:OK(90); LED:ON; pw:123456;
Reset the device	pw,123456,reset#	pw,123456,reset#	The device will reset
Restore factory settings	pw,123456,factory#	pw,123456,factory#	The device will reset
Setup ip and port	pw,123456,ip,x.x.x.x,y #	pw,123456,ip,112.95. 164.119,7755#	IP and port setup success!
Setup language and time zone	pw,123456,lz,x,y#	pw,123456,lz,0,8#	lz,x,y# x=0&1 stands for language , 1 for Chinese, 0 for English, y for time zone

Personal information security

•Please install and use this product correctly. In order to guarantee safety use the products, please ensure that your product is not bound by people without permission. We adopt technology and management measures to ensure the safety of network information, in accordance with the law to protect users' personal information, to ensure the security of your personal information. The illegal use of this product, company will not responsible for it.

Declare

•Welcome to use the GPS Watch. GPS watch contains hardware and intelligent mobile phone client-side software two parts, device need complete set to use can realize the function. Please read the instructions and safety information in this manual before operating hardware, for ensure the safe and correct use. Intelligent mobile phone software instructions please refer to the software user description.

• If you remove or change the product shell, the product will lose the warranty.

• Please use the original factory provided accessories, for fear that unexpected damage. If you do not use this product as right procedure or connect incompatible parts, this behavior will lead to warranty automatic avoidance, and may even endanger the safety of you and others. To this, company does not undertake any responsibility.

• This product function realizes depends on the GPS network, GSM (GPRS) network system, GIS (geographic information) system and computer system, etc. This product needs to install the phone card, and open the Internet function. This product working must with good network flow, due to network failure or other force majeure causes any losses

and service disruption, company does not undertake any responsibility.

•Matters need attention

1 Do not let product soaked in water for long time;

2 Please leave the product away from the fire source, high temperature and extreme environment;

3 Please pay attention to remind children not to eat products;

4, it is forbidden to use other charging equipment which is not 5V output.

• When the product is power off or out of GPRS service, the positioning function will not work.