Eview SMS Protocol

Catalog

1 Contact numbers

1.1 Set contact numbers

Set emergency contact numbers		
Command	A<n>,<SMS Yes/No>,<call Yes/No>,<phone number>	
Description	<n> Value range: 1~10 Contact number sequence	<SMS Yes/No> Value range: 0~1 0 - Do not receive SMS when there is an alarm 1 - Receive SMS when there is an alarm
	<Call Yes/No> Value range: 0~1 0 - Do not receive Call when there is an alarm 1 - Receive Call when there is an alarm	<phone number> Mobile number or Landline. if mobile number/landline set as blank, then the current sending number will be fixed as a contact number.
Reply	For example： **A1,1,1,15899795842** or **A1,1,1** A1,1,1 reply: Set contact number 1 ok.	
Default setting	No default setting	
Explanation	The first 1 means contact number A1. The second 1 means the person will receive an alarm from device via text message. The third 1 means the person will receive a call if there is an alarm from device.	

1.2 Check the contact numbers

Check the contact numbers	
Command	A?
Reply	For example:

	A1: 1,1,15899795842 A2: 1,0,13632770106 A3: 0,1,15986236978 A4: 0,0,13556987345 A5: 1,1,18965423695

1.3 Remove contact numbers

Remove contact numbers setting	
Command	removeA<n>
Description	<n> Value range: 1~10 contact number sequence
Reply	**removeA5** reply：Contact number 5 removed.
Default setting	No default setting
Explanation	Delete authorized numbers

2 Password

2.1 Add a password for all commands

Add password setting	
Command	P<pwd>
Description	<pwd> Password must be 1~6 digital numbers.
Reply	**P321654** reply: Set password ok.
Default setting	No default setting
Explanation	- After send the above command, then it will require a password in front of all commands. For example: 321654Loc, 321654A1 etc

	- The pre-set password won't be erased by changing a new sim card. - Be sure to keep the new password in mind, otherwise, you must ask your distributor to restore the original setting in case of losing the new password. - Make sure the new password is in 6 digits, or else the tracker cannot recognize the password.

2.2 Change password

Change password setting	
Command	<old pwd>P<new pwd>
Description	<old pwd> and <new pwd> Password must be 1~6 digital numbers.
Reply	**321654P123456** reply: Your password has changed successfully.
Default setting	No default setting
Explanation	The password now is changed to 123456

2.3 Delete password

Delete password setting	
Command	<pwd>P0
Description	<pwd> Your current password.
Reply	**123456P0** reply: Password deleted successfully.
Default setting	No default setting
Explanation	If user deletes the password, then all SMS commands do not need to add a password.

3 SMS White List

SMS white list	
Command	sms<n>

Description	<n> Value range: 0~1 0 - device can receive text message from all numbers. 1 - device is only allowed to receive SMS from A1~A10 numbers.
Reply	***sms0*** reply: *Allow device to receive text message from all numbers.* ***sms1*** reply: Allow device to receive text message only from authorized numbers.
Default setting	SMS0

4 SOS Alarm Settings

4.1 SOS button

SOS button settings		
Command	SOS<mode>,<time>	
Description	<mode> Value range: 1~2 1 - long press SOS button 2 - double click SOS button	<time> Value range: 1~100 Note: the unit is 0.1 second (User push the SOS button time.)
Reply	For example: **SOS1,20** reply: Set long press 2 seconds ok. **SOS2,20** reply: Set double click 2 seconds ok.	
Default setting	SOS1,20	
Explanation	The unit is 0.1 second, if set 20, it means 20*0.1 seconds= 2 seconds The above setting means long press 2 seconds to trigger SOS alarm. Double click SOS button in 2 seconds to trigger SOS alarm	

4.2 SOS alarm ring time and talk time

SOS alarm ring time and talk time

Command	SOSCALL<ring time>,<talk time>	
Description	<ring time> Value range: 1~60 seconds set ring time to avoid call enter the voice machine	<talk time> Value range: 0~65535 seconds set the two-way talking time for the SOS alarm
Reply	For example: **SOSCALL35S,20M** reply: Set ring time 35 seconds, talk time 20 minutes ok.	
Default setting	SOSCALL20S,10M	
Explanation	The unit can be H, M or S. H means hour, M means minute, S means second Ring time means stop ringing at most xxx seconds, then call to next contact number (for example A2) and the phone will hang up when time is reach to xxx minutes during two way talking.	

4.3 SOS call loops

SOS call loops	
Command	loop<time>
Description	<time> Value range: 0~10 0 - infinite loop
Reply	**loop0** reply: Set unlimited loop ok. **loop5** reply: Set SOS loop 5 times ok.
Default setting	Loop1
Explanation	loop means SOS calling cycles to all authorized number

5 Request location

5.1 Loc

Loc	
Command	loc
Description	After send LOC, device will be looking for the signal of Bluetooth, WIFI and GPS, if Bluetooth location is fixed, device will stop searching WIFI and GPS signal.
Reply	Now: Date: 05/08/2018 Time: 04:06:22 Speed: 36km/h Battery: 34% maps.google.com/maps?q=loc:27.7132778,113.5833831

5.2 Loc,gps

Loc,gps	
Command	Loc,gps
Description	After send loc,gps device will be only looking for the GPS signal. Bluetooth and WIFI signal will be ignored.
Explanation	Device only search GPS location for maximum of 3 minutes, if up to date GPS location is not available, device will reply last known GPS location.

6 Bluetooth

6.1 Keep device connected to the charging base via BLE

Keep connection	
Command	BK<n>
Description	<n> Value range: 0~1 0 - off 1 - on
Reply	**BK1** reply: Stay connection on. **BK0** reply: BLE connection off.
Default setting	BLE1
Explanation	The functions of device and charging base keep a connection. ☆ Indoor positioning via Bluetooth. (Working Logic: The first user must set coordinates for charging base, then device will search charging base location via Bluetooth once there is an alarm or location check from contact person) ☆ SOS button and CALL1 button to make an alarm. (Working Logic: If charging base connect to EV-07B via Bluetooth, once the user press SOS or CALL1 button on charging base, it will send a signal to EV-07B and EV-07B will make an alarm and call the contact person immediately.) ☆ If there is an alarm or event broadcast from EV-07B, the charging base can receive the alarm signal from EV-07B via Bluetooth and make a voice warning at the same time. (Voice prompt includes SOS alarm, fall, alarm clock reminder, medication reminder, etc. The voice prompt can be turned off by press button on the charging base.

6.2 Set coordinates for charging base

Set charging base coordinates	
Command	BL<Latitude>,<longitude>
Reply	BL22.6180000,114.036 reply: Set BLE location ok.
Default setting	No default setting.
Explanation	Users can set charging base location by sending a text message to EV-07B device, for example user send: BL22.618,114.036 to 07B, after that, user needs to press the CALL2 button on charging base within 3 minutes to confirm the settings. (press the button the sooner the better). After that, charging base location is set.

6.3 Turn on/off Bluetooth location

Bluetooth location on/off	
Command	BLE<n>
Description	<n> Value range: 0~1 0 - Bluetooth Location off 1 - Bluetooth Location on
Reply	**BLE0** reply: BLE Loc off. **BLE1** reply: BLE Loc on.
Default setting	BLE1
Note	Device will not be looking for Bluetooth location if BLE0 is set.

7 WIFI

7.1 Turn on/off WIFI

WIFI on/off	
Command	wifi<n>
Description	<n> Value range: 0~1 0 - Wifi off 1 - Wifi on
Reply	**wifi0** reply: WIFI off. **wifi1** reply: WIFI on.
Default setting	WIFI1
Note	It detects Wi-Fi hotspot and transfers those MAC address to coordinates. User will receive WIFI location if GPS location is not available.

7.2 Set map link for WIFI

Set WIFI map link	
Command	WIFIURLsmart-locator.com/web/geolocation/%s/%s
Description	Change WIFI format when necessary. Note: Please ask your agent before making any changes.
Reply	WIFIURLtracking.com/web/geolocation/%s/%s reply: WIFIURL Set ok.

8 LBS

LBS on/off	
Command	LBS<n>
Description	<n> Value range: 0~1 0 - LBS off 1 - LBS on
Reply	**lbs0** reply: lbs off. **lbs1** reply: lbs on.
Default setting	lbs0
Explanation	LBS location is fixed based on the cell-towers data which is received from the device. Usually, the device will find the nearest cell-tower and will show its location near it. However, LBS location provided by the device is usually much less accurate than other location methods. (when there is no GPS data, WIFI or BLE, the system uses LBS as a backup.)

9 AGPS

9.1 Turn on/off AGPS

AGPS setting	
Command	AGPS<n>
Description	<n> Value range: 0~1 0 - AGPS off 1 - AGPS on
Reply	**AGPS0** reply: AGPS off. **AGPS1** reply: AGPS on.

Default setting	AGPS1
Note	Assisted GPS is a system that is often able to significantly improve startup performance or time-to-first-fix and improve the GPS location to be more precise.

9.2 Set AGPS coordinates

AGPS longitude and latitude setting	
Command	AGPSLOC<n> ,<latitude, longitude>
Description	<n> Value range: 0~1 0 – Do not Allow GPS to update coordinates from time to time. 1 - Allow GPS to update coordinates from time to time.
Reply	**AGPSLOC1,114.1234567,22.1234568** reply: AGPS Loc set ok.

9.3 Checking AGPS setting

AGPS setting	
Command	AGPSLOC?
Reply	**AGPSLOC?** reply: AGPS Loc 1,1141234567,221234568

10 Side Buttons

10.1 Call button (upper button)

Call button settings	
Command	X<n>,<time>

Description	<n> Value range: 0~10 0 means disable the call function.	<time> Value range: 1~100 Note: the unit is 0.1 second Push button time. (long push)
Reply	For example: **X2,20** reply: Set to dial the A2 ok. **X0** reply: Disable call button ok.	
Default setting	X2,20	
Explanation	The unit is 0.1 second if set 20, it means 20*0.1 seconds= 2 seconds	

10.2 Side button 2 (lower button)

Side button 2 settings	
Command	No SMS command
Description	This button has 2 functions: A: Double click the button to turn on/off voice prompts. B: Press and hold button 3 seconds, and at the same time press the CALL2 button on the charging base, then the device and charging base will pair to each other via Bluetooth.

11 Vibration

Vibration setting	
Command	vibrate<n>
Description	<n> Value range: 0~1
Reply	**Vibrate1** reply: Vibration On! **Vibrate0** reply: Vibration Off!

Default setting	Vibrate1
Explanation	Device will be vibrating when user push SOS button, tilt alarm, fall alarm, incoming call, press side button, turn on/off device.

12 Beep

Beep setting	
Command	beep<n>
Description	<n> Value range: 0~1
Reply	**beep1** reply: Beep On! **beep0** reply: Beep Off!
Default setting	beep1
Explanation	This command is to control all the voice prompts on/off made by SOS, tilt, fall, motion alarms and other voice warnings.

13 Call

13.1 Incoming call

Incoming call setting	
Command	callin<n>
Description	<n> Value range: 0~1

	0 - All numbers can call in 1 - Only authorized numbers can call in
Reply	***callin0*** *reply:* Allow all numbers to call in. **callin1** reply: Allow only authorized numbers to call in.
Default setting	callin1
Scenario	who can call the device?

13.2 Answer the incoming call

Answer the incoming call setting		
Command	answer<n>,<time>	
Description	<n> Value range: 0~1 0 - automatic answering the call 1 - press any button to answer the call	<time> Value range: 1~10 seconds automatic answering the call after how many seconds ringing.
Reply	For example: ***answer0,5*** reply: Set automatic answering call ok. ***answer1*** reply: Set to press the button to answer the call ok.	
Default setting	answer0,5	
Explanation	The way of answer the incoming call.	

13.3 Hang up the call

Hang up the call setting	
Command	hangup<n>
Description	<n> Value range: 0~1 0 - users cannot hang up on their own 1 - user can hang up the call by press SOS button

Reply	***hangup0*** reply: Set hangup0 ok. ***hangup1*** reply: Set hangup1 ok.
Default setting	Hangup1
Explanation	The way of hang up the call.

13.4 Call back

Call back setting	
Command	callback<phone number>
Description	<phone number> Value range: Mobile Number or Landline
Reply	For example: ***callback123456789*** reply: call 123456789 ok.
Default setting	No default setting.
Explanation	Device will call the set number immediately after the message is sent.

14 Volume

14.1 Incoming call ringtone volume

Incoming call ringtone volume setting	
Command	rt<level>
Description	<level> Volume range: 0~100
Reply	For example: ***rt0*** reply: Turn off ringtone ok. (incoming call) ***rt50*** reply: Set ringtone volume 50 ok. (incoming call)

Default setting	rt70
Explanation	volume adjustment for a ringtone.

14.2 Microphone volume

Microphone volume setting	
Command	micvolume<level>
Description	<level> Volume range: 0~15
Reply	For example: ***Micvolume10*** reply: Set microphone volume 10 ok.
Default setting	micvolume8
Explanation	Microphone volume adjustment for two way talking.

14.3 Speaker volume

Speaker volume setting	
Command	speakervolume<level>
Description	<level> Volume range: 0~100
Reply	For example: ***Speakervolume90*** reply: Set speaker volume 90 ok.
Default setting	Speakervolume80
Explanation	Speaker volume adjustment for two way talking.

14.4 Speaker switch

14.4.1 Speaker on/off for SOS alarm

SOS speaker setting	
Command	sosspeaker<n>
Description	<n> Value range: 0~1
Reply	***sosspeaker0*** reply: Turn off speaker ok. (SOS call) ***sosspeaker1*** reply: Turn on speaker ok. (SOS call)
Default setting	sosspeaker1
Explanation	The speaker can be turned on/off if the call made by SOS alarm.

14.4.2 Speaker on/off for CALL button

Call button speaker setting	
Command	xspeaker<n>
Description	<n> Value range: 0~1
Reply	***xspeaker0*** reply: Turn off speaker ok. (call button) ***xspeaker1*** reply: Turn on speaker ok. (call button)
Default setting	xspeaker1
Explanation	The speaker can be turned on/off if the call made by CALL button.

15 LED

LED on/off	
Command	led<n>
Description	<n> Value range: 0~1

	0 - led off 1 - led on
Reply	**led0** reply: LED off. **led1** reply: LED on.
Default setting	LED1

16 Time Zone

LED on/off		
Command	tz<time>:<minute>	
Description	<time> Value range: +00 ~ +14 -00 ~ -14	<minute> Value Range: 0, 15, 30, 45
Reply	For example: **tz+08** reply: Set time zone +8 ok. **tz+08:15** reply: Set time zone +8:15 ok.	
Default setting	tz+00	

17 Prefix

Prefix setting		
Command	Prefix<n>,<text>	
Description	<n> Value range: 0~1 0 - prefix off 1 - prefix on	<text> Value range: maximum characters can be 100.
Reply	For example: **prefix1,Emma** reply: Set Emma ok.	

Default setting	Prefix0

18 Battery

18.1 Low Power Alarm Setting

Low power alarm setting		
Command	low<n>,<level>	
Description	<n> Value range: 0~1 0 - Low power alarm off 1 - Low power alarm on	<level> Value range: 0~100
Reply	For example: **low1,15** reply: Set low power alarm 15% ok. **low0** reply: low power alarm off.	
Default setting	Low1,20	

18.2 Battery Status

Check battery level	
Command	battery
Reply	For example: **battery** reply: Battery: 88%

19 Find My Device

Find my device	
Command	**findme**
Reply	No reply
Description	After send the text message "findme" to the device, it will play voice prompt "I am here" and last for 30 seconds, the finder can cancel the voice prompt by press the button when device is found.

20 Turn off device remotely

Turn off device by SMS	
Command	**OFF**
Reply	No reply
Description	Once device receives this command, the device will be turned off automatically.

21 IMEI and Firmware Version

Check device IMEI and firmware version	
Command	V?
Reply	For example: **IMEI**: 860123569872427 **GSM signal strength**: 28

	Software version: V07BX.8601.2001

22 Alarms

22.1 SOS emergency alarm

Alarm Example:	For example: Mom. Help Me! Date: 05/08/2018 Loc Time: 04:06:22 Alarm Time: 04:06:10 Speed:36km/h Battery:34% maps.google.com/maps?q=loc:27.7132778,113.5833831

22.2 Fall down alarm

Fall alarm setting			
Command	fl<n>,<sensitivity level>,<call Yes/No>		
Description	<n> Value range: 0~1 0 – Fall down alarm off 1 – Fall down alarm on	<sensitivity level> Value range: 1~9 9 - most sensitive 1 - least sensitive	<call Yes/No> Value range: 0~1 0 – Do not receive a call when there is an alarm

			1 – Receive call when there is an alarm
Reply	For example: **fl1,1,1** reply: Set fall down alarm ok! **fl0** reply: Fall down alarm off.		
Default setting	fl1,1,1		
Alarm example	Mom Fall down alarm! Date: 05/08/2018 Loc Time: 04:06:22 Alarm Time: 04:06:10 Speed: 36km/h Battery: 34% maps.google.com/maps?q=loc:27.7132778,113.5833831		

22.3 GEO fence alarm

Geo fence alarm setting		
Command	geo<n>,<on/off>,<leave/enter>,<distance>	
Description	<n> Value range: 1~4 GEO fence numbers	<on/off> Value range: 0~1 0 - Geo fence alarm off 1 - Geo fence alarm on

	<leave/enter> Value range: 0~1 0 - leave the preset area 1 - enter the preset area	<distance> Value range: 100~65535 meters The unit can be M or KM M = meters, KM = kilometers
Reply	**GEO1,0** reply: The first GEO fence canceled. User can set with or without coordinates in the text message, for example: **GEO1,1,1,100M** reply: Set geo fence 1 in, 100 M radius ok. **GEO1,1,1,500M,22.65897,114.985231** reply: Set geo fence 1 in, 500 M radius ok. Never fix GPS location reply: Unable to set GEO fence now, please fix the GPS location first.	
Note	We strongly recommend that the alarm distance should not be less than 100 meters.	
Alarm example	GEO fence alarm 1! Date: 05/08/2018 Loc Time: 04:06:22 Alarm Time: 04:06:10 Speed:36km/h Battery:34% maps.google.com/maps?q=loc:27.7132778,113.58338	

22.4 No motion alarm

No motion alarm setting			
Command	nmo<n>,<static time>,<call Yes/No>		
Description	<n> Value range: 0~1 0 - no motion alarm off 1 - no motion alarm on	<static time> Value range: 60~36000 seconds The unit can be H/M/S H = hour, M = minute, S = second	<call Yes/No> Value range: 0~1 0 - Do not receive a call when there is an alarm 1 - Receive call when there is an alarm
Reply	For example: **NMO1,80M,1** reply: Set no motion alarm 1 hour 20 minutes ok		

	(If device doesn't move (no motion) for 80 minutes, in 81 minutes, no motion alarm will be activated, device will send a text message or make a call immediately.) **NMO0**: reply: No motion alarm off.
Default setting	NMO0
Alarm example	No motion alarm. Date: 05/08/2018 Loc Time: 04:06:22 Alarm Time: 04:06:10 Speed:36km/h Battery:34% maps.google.com/maps?q=loc:27.7132778,113.58338

22.5 Motion alarm

Motion alarm setting		
Command	mo<n>,<static time>,<duration time>,<call Yes/No>	
Description	<n> Value range: 0~1 0 - motion alarm off 1 - motion alarm on	<static time> Value range: 60~36000 seconds The unit can be H/M/S H=hour, M=minute, S= second
	<duration time> Value range: 60~36000 seconds The unit can be H/M/S H=hour, M=minute, S= second	<call Yes/No> Value range: 0~1 0 – Do not receive a call when there is an alarm 1 – Receive call when there is an alarm

Reply	For example: **mo1,05m,03s,1** reply: Set motion alarm ok. (If device doesn't move or no motion for 5 minutes and then detect motion after 5 minutes and the motion lasts for 3 seconds, then motion alarm will be activated, device will send a text message or make a call immediately.) **MO0**: reply: Motion alarm off.
Default setting	MO0
Alarm example	Motion alarm. Date: 05/08/2018 Loc Time: 04:06:22 Alarm Time: 04:06:10 Speed:36km/h Battery:34% maps.google.com/maps?q=loc:27.7132778,113.58338

22.6 Tilt alarm

Tilt alarm setting		
Command	tilt<n>,<degree>,<duration time>,<call Yes/No>	
Description	<n> Value range: 0~1 0 - Tilt alarm off 1 - Tilt alarm on	<degree> Value range: 30~90 degree The unit is degree

	<duration time> Value range: 10~3600 seconds S= second The unit must be S tilt for how many seconds	<call Yes/No> Value range: 0~1 0 – Do not receive a call when there is an alarm 1 – Receive call when there is an alarm
Reply	For example: **tilt1,45,30s,1** reply: Set tilt alarm 45 degrees ok. (Device will make a 30 seconds warning beep (20 seconds is fixed into the firmware, user can't modify the beep time) if the device is detected vertically tilt over 45 degrees and the tilt last for 30 seconds. After 30 seconds beep warning, device will send the alert to contact numbers. or If the device is automatically adjusted to less than 45 degrees before 30 seconds beep finish, the alarm will be automatically canceled.) **tilt0** reply: Tilt alarm canceled.	
Default setting	Tilt0	
Alarm example	Tilt alarm 48 degrees. Date: 05/08/2018 Loc time: 04:06:22 Alarm time: 04:06:10 Speed: 36km/h Battery: 34% maps.google.com/maps?q=loc:27.7132778,113.58338	

22.7 Over speed alarm

Over speed setting	
Command	speed<n>,<speed>

Description	<n> Value range: 0~1 0 – Over speed alarm off 1 – Over speed alarm on	<speed> Value range: 20~400 km/h The unit is KM/H
Reply	For example: **speed1,100km/h** reply: Set over speed alarm 100km/h ok. **speed0** reply: Over speed alarm canceled.	
Default setting	Speed0	
Alarm example	Over Speed alarm 110km/h! Date: 05/08/2018 Time: 04:06:22 Speed: 110km/h Battery: 34% maps.google.com/maps?q=loc:27.7132778,113.58338	

23 Alarm Clock

Alarm clock setting		
Command	CLK<n>,<on/off>,<time>,<type>,<date>	
Description	<n> Value range: 1~4 Alarm clock numbers	<on/off> Value range: 0~1 0 – alarm clock off 1 – alarm clock on

	<time> Value range: 00:00~24:00	<type> Value range: 1~4 There are 4 types of voice prompt for the alarm clock.
	<date> Value range: 1~7 Monday to Sunday	
Reply	For example: **CLK1,0** reply: Alarm clock 1 off. **CLK2,1,19:30,3,1,2,4** reply: Alarm clock 2 on. (Set alarm clock 2 at 19:30 with alarm type 3, play every Tuesday and Thursday)	

24 No Disturb

No disturb time setting			
Command	ND<n>,<start time>,<end time>		
Description	<n> Value range: 0~1 0 – no disturb off 1 - no disturb on	<start time> Value range: 00:00~24:00	<end time> Value range: 00:00~24:00
Reply	For example: **ND1,19:00,06:00** reply: No disturb from 19:00 to 6:00 ok. **ND0** reply: No disturb off.		
Default setting	ND0		
Explanation	User will not hear any ringtone when there is an incoming call, and device will not play any voice warnings at all.		

25 Internet Setting

25.1 APN

APN setting	
Command	S1,<APN>,<username>,<password>
Reply	For example: **S1,internet** reply: Set APN ok.
Explanation	To make device online to the platform, the user needs to set up the APN. – Some APN without user name and password, so please leave it blank. – Make sure that the SIM card in the tracker supports the internet function. – The APN can be acquired from your local Telecom companies.

25.2 Heartbeat

Heartbeat setting	
Command	GPRSHB<time>
Description	<time> Value range: 60~86400 seconds The unit can be H/M/S H=hour, M=minute, S= second 0 means heartbeat off.
Reply	For example: **GPRSHB5M** reply: Set heartbeat 5 minutes ok. (only work for mode 1, 2, 3)
Explanation	The heartbeat packet function is used to keep the Transmission Control Protocol (TCP) connection open when the interval of scheduled GPRS reporting is long.

25.3 Modify Server IP/domain name, Port

Server IP and port setting			
Command	IP<n>,<IP/domain name>,<port>		
Description	<n> Value range: 0~1 0 – off 1 – on	<IP/Domain name> Server IP or domain name	<port> Server IP port
Reply	For example: **IP1,www.smart-locator.com,6060** reply: Set IP ok. **IP0** reply: IP connection disabled.		
Default setting	IP0		

25.4 GPRS connection

GPRS connection setting	
Command	S<n>
Description	<n> Value range: 0 and 2 0 – GPRS off 2 - GPRS on
Reply	**S0** reply: GPRS disconnected. **S2** reply: GPRS is connecting.
Default setting	S0

25.5 Check GPRS settings

Check GPRS settings	
Command	GPRS?
Reply	For example:

	GRPS: ON APN: internet Username: Password: IP: 1, www.smart-locator.com Port: 6060 Move report time: 30 minutes No move report time: 60 minutes HB: on, 20 minutes

26 Working Modes

26.1 Working mode 1

Working mode 1 setting	
Command	mode1
Description	No need to set time interval for mode1
Reply	For example: **mode1** reply: Set mode 1 ok.
Working logic	The heartbeat keep device always connects to server. Device only send data to server when an alarm or event occurs. GPS/WIFI/BLE only triggers when there is an event. (the rest of the time, GPS is off)

26.2 Working mode 2

Working mode 2 setting		
Command	mode2,<movement time interval>,<no movement time interval>	
Description	<movement time interval> Value range: 30~86400 seconds The unit can be H/M/S H=hour M=minute S= second Set report time interval when device is moving.	<no movement time interval> Value range: 30~86400 seconds The unit can be H/M/S H=hour M=minute S= second Set report time interval when device is not moving.
Reply	For example: **mode2,03M,01h** reply: Set mode2, 3 minutes,1 hour ok. (means device send data to server every 3 minutes when moving and every 1 hour when not move)	
Default setting	mode2,10M,1H	
Working logic	Device send data to server according to the time interval and always stays online. User needs to set reporting time to server when moving and when no moving. GPS/WIFI/BLE on when moving and off when not moving.	

26.3 Working mode 3

Working mode 3 setting	
Command	mode3,<time interval>
Description	<time interval> Value range: 30~86400 seconds

	The unit can be H/M/S H=hour M=minute S= second
Reply	For example: **mode3,01H** reply: Set mode3, 1 hour ok.
Working logic	Device sends data to server according to the time interval and always stays online. User needs to set reporting time to server when moving and when not moving. GPS is always on when moving and not moving (the least power-saving mode)

26.4 Working mode 4

Working mode 4 setting	
Command	Mode4,<time interval>
Description	<time interval> Value range: 60~604800 seconds The unit can be H/M/S H=hour M=minute S= second
Reply	For example: **mode4,30m** reply: Set mode4, 30 minutes ok.
Working logic	User needs to set reporting time to server. Device disconnects and reconnects to server after being offline for a specified time. (during offline, device can receive calls and text message) GPS/WIFI/BLE is on when device sends data to server and off when device offline.

26.5 Working mode 5

Working mode 5 setting	
Command	Mode5,<time interval>
Description	<time interval> Value range: 1200~604800 seconds The unit can be H/M/S H=hour M=minute S= second
Reply	For example: **mode5,10h** reply: Set mode5, 10 hours ok.
Working logic	User needs to set reporting time to the server. Device disconnects and reconnects to the server after being offline for a specified time. (during offline, device is **unable** to receive calls and text message, the cellular chip is completely off) GPS/WIFI/BLE is on when the device sends data and off when the device offline.

26.6 Working mode 6

Working mode 6 setting		
Command	Mode6,<movement time interval>,<no movement time interval>	
Description	<movement time interval> Value range: 30~86400 seconds The unit can be H/M/S H=hour M=minute S= second Set report time interval when device is moving.	<no movement time interval> Value range: 30~86400 seconds The unit can be H/M/S H=hour M=minute S= second Set report time interval when device is not moving.

Reply	For example: **Mode6,03M,01h** reply: Set mode6, 3 minutes,1 hour ok. (means device send data to server every 3 minutes when moving and every 1 hour when not move)
Default setting	Mode6,10M,1H
Working logic	Device send data to server according to the time interval and always stays online. User needs to set reporting time to server when moving and when no moving. GPS/WIFI/BLE on when moving and off when not moving.

27 Continuous locate

Continuous locate setting		
Command	CL<report interval>,<duration time>	
Description	<report interval> Value range: 10~600 seconds The unit can be H/M/S H=hour M=minute S= second	<duration time> Value range: 60~1800 seconds The unit can be H/M/S H=hour M=minute S= second
Reply	For example: **CL10S,600S** reply: Set live tracking every 10 seconds and last for 10 minutes ok.	
Default setting	CL10S,10M	
Explanation	When there is an SOS alarm, continuous locate will be activated automatically.	

28 Stop sending stored historical data

Stop sending historical data to the server	
Command	flush
Reply	**Flush** reply: flush ok!

29 Check function settings

Check settings	
Command	status
Reply	For example: Mode:4,0 second LED: on Beep: on Vibration: on Time zone: +10:00 GEO Fence:0,0,0,0 Motion alarm: off No Motion alarm: off Tilt alert: off Fall alarm: on, level:5 Low power alarm: on,15% SOS Call:10 minutes, loop:1 side: 3

	RT: 100 MIC: 9 Volume: 90

30 Set GPS Map Link

Set GPS map link	
Command	GPSURLwww.google.com/maps?q=%.7f,%.7f
Description	Change GPS format when necessary. Note: Please ask your agent before making any changes.
Reply	For example: GPSURLwww.google.com/maps?q=%.7f,%.7f reply: GPSURL Set ok.

31 KBND

Check bands	
Command	KBND
Reply	

32 Beacon List

32.1 Delete Beacon List

Command	BCD
Description	Delete all beacons
Reply	For example: **BCD** reply: Delete beacon list successfully.

32.2 Automatically Adding Beacon List

Command	BCA latitude,longitude[,des]
Description	Automatically Adding the beacons with RSSI >-60
Reply	For example: **BCA 22.6535181,114.0009472,office** reply: the successfully added beacon MAC.

32.3 Edit Beacon List

Command	BCS latitude,longitude,mac[,des;mac,des; mac;]
Description	Edit Beacon List
Reply	For example: **BCS22.6535181,114.0009472,f7:37:b7:10:81:ce,wj;E6:6F:80:A9:61:5D,wj2;C4:9F:A6:15:24:3F;D3:E3:AC:86:5E:46,wj3;F1:A:71:7A:D:D7;DF:79:14:AF:36:87,wj0** reply: Beacon list set OK.

32.4 Check Beacon List

Command	BCQ [n]
Description	This command is for checking Beacon list n: meaning that start to check which beaon.
Reply	For example:

	BCQ1 reply: 1,F7:37:B7:10:81:CE,wangjun-0 2,C4:9F:A6:15:24:3F,QT-1 3,D3:E3:AC:86:5E:46,HKQ-2 4,DF:19:ED:B3:63:4C,HYS2-4 5,DF:79:14:AF:36:87,HYS1-3 6,EA:D9:02:05:82:61,CSJ-5 7,F1:19:79:42:18:21,SYS-6 8,CD:B1:31:A7:BB:F9,BGQ-7 9,F3:64:2A:58:FB:57,BGQ-8 10,F9:2A:AB:5A:2E:E3,DHYS-9

32.5 Beacon Switches

Command	BCE [n]
Description	Beacon Functions switches n:1 Enable 0 Disable
Reply	For example: **BCE0** reply: beacon loc is disabled! **BCE1** beacon loc is eanbled!