

GPS Tracker

Operation Commands

VERSION / 版本 : V1.6
BASED ON EELINK PROTOCOL
2017.3.9

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Explanation about the commands

1. All commands are case-insensitive.
2. All commands can be edited and sent by Cell phone(SMS) or Platform(GPRS). The symbols of the commands are English symbols (One symbol length accounted for a byte).
3. Parameters of the commands separated by Comma, the parameters with italic. and Consolas font type need be altered by users or are altered by terminals automatically.

For example, Upgrade the newest firmware, Use the following command:

UPGRADE, *C4_2_0_2.EXF, Update.SKY*
200.COM, 69#

1. APN Setting

APN,Network name[,name,password]#

Examples :

APN,CMNET#(if no name & Password)

APN,internet,internet,internet#

If the setup is successful, device will reply:
SET APN OK

2. Server Setting

SERVER,1,Domain,Port#

SERVER,0,IP,Port#

Examples :

SERVER,1,hkgps.sky200.com,32001#

SERVER,0,42.120.22.24,32001#

If the setup is successful, device will reply:
SET SERVER OK

3. Data Upload Time Interval

`TIMER, Gathering interval[, Packet number]#`

Examples:

TIMER, 30#

Means uploading data per 30s

TIMER, 15, 8#

Means gathering one packet per 15s, upload data every $15 \times 8 = 120$ s (after gathering 8 packets)

Note:

Gathering time interval: 0 or 10 ~ 18000s, 0 means forbid uploading, default is 30s .

Package number : 1-20, default is 1

If the setup is successful, device will reply:

SET TIMER OK

4. Time Zone Setting

`GMT, Time zone orientation, Whole Time Zone[, Half Time Zone] #`

Examples :

GMT,E,8# *(if no half time zone)*

GMT,W,9,30#

Note:

Parameter : E / W ; 0 ~ 12 ; 0/15/30/45

If the setup is successful, device will reply:

SET GMT OK

5. Language Setting

LANG,1/0#

Examples :

LANG,1#

LANG,0#

Note:

1 represents Chinese

0 represents English

If the setup is successful, device will reply:

SET LANG OK

6. Add SOS Administrator Number

SOS,A,1st number,2nd number,3rd number#

Examples :

SOS,A,13800138000,13800138001,13800138002#

Means to set 3 numbers at a time .

SOS,A,13800138000#

Means to set 1st number.

SOS,A,,13800138001#

Means to set 2nd number.

SOS,A,,,13800138002#

Means to set 3rd number.

Note : SOS Administrator will get SOS call and receive alarm SMS messages from devices.

If the setup is successful, device will reply:
SET SOS OK

7. Delete SOS Administrator Number

SOS,D,1st number,2nd number,3rd number# or *SOS,D,1,2,3#*

Examples :

SOS,D,13800138000#

Means to directly delete the number.

SOS,D,1#

Means to delete 1st number.

SOS,D,3#

Means to delete 2nd number.

SOS,D,2,3#

Means to delete 2nd and 3rd number.

If the setup is successful, device will reply:

DEL SOS OK

8. Add Center Number

CENTER,A,center number#

Example :

CENTER,A,13800138000#

Note: Center number is only used for cutting off power & oil, it can **only be set by SOS Administrator** when using this command by SMS.

If the setup is successful, device will reply:
SET CENTER OK

If the setup failed, device will reply error and reason.

9. Delete Center Number

CENTER, D#

If the setup is successful, device will reply:
DEL CENTER OK

10. Working Mode Setting

SAVING, 0/1/2/3#

Example:

SAVING, 1#

Note: There are 4 kinds of working mode, if the device type is built-in battery and need long standby(like GPT06/K9/K20), choose different working mode to save power.

0# Tracking Mode : GPS always on ;

1# Saving Mode : GPS off when device is static, GPS on when device is moving or being inquired (Devices' movement detected by Motion Sensor)

2# Sleeping Mode : GPS on when device was being inquired;

3# Hibernation Mode : GPS always off;

If the setup is successful, device will reply:

SET SAVING OK

11. Administrator's Call Delay

DELAY, *time*#

Example :

DELAY, 30#

Means get through after 30s administrator's ringing

Note: The Call from Administrator will automatically get through after a delay time . It can be used for listen. (Need Call ID display service)

Range :5-60s, default is 10s.

If the setup is successful, device will reply:

SET DELAY OK

12. Heartbeat Packet Upload

HBT, *time*#

Example:

HBT, 3#

Note: Function see EELINK Protocol

Range :1-60min, default 3min.

If the setup is successful, device will reply:

SET HBT OK

13. Add Geo-fence

FENCE, *fence ID, fence*

tag, parameter1, parameter2, parameter3, parameter4#

Example:

FENCE, 1, OR, , , 500#

Set No.1 round fence, OR alarm type: out-fence alarm; current point as the center, radius 500 m.

FENCE, 2, IR, , , 500#

Set No.2 round fence, IR alarm type: in-fence alarm; current point as the center, radius 500 m.

FENCE, 3, CR, , , 500#

Set No.3 round fence, CR alarm type: across-fence alarm; current point as the center, radius 500 m.

FENCE, 4, OR, 113.5, 22.5, 500#

Set No.4 round fence, OR alarm type: out-fence alarm; Latitude and longitude (113.5,22.5) as the center, radius 500 m.

FENCE, 5, IR, 113.5, 22.5, 500#

Set No.5 round fence, IR alarm type: in-fence alarm; Latitude and longitude (113.5,22.5) as the center, radius 500 m.

FENCE, 6, CR, 113.5, 22.5, 500#

Set No.6 round fence, CR alarm type: across-fence alarm; Latitude and longitude (113.5,22.5) as the center, radius 500 m.

FENCE, 1, OS, 113.2, 22.2, 113.8, 22.8#

Set No.1 rectangular fence, OS alarm type: out-fence alarm; In longitude and latitude (113.5, 22.5), (113.8, 22.8) forming a rectangle.

FENCE, 2, IS, 113.2, 22.2, 113.8, 22.8#

Set No.2 rectangular fence, IS alarm type:
in-fence alarm; In longitude and latitude (113.5, 22.5), (113.8, 22.8) forming a rectangle.

FENCE, 3, CS, 113.2, 22.2, 113.8, 22.8#

Set No.3 rectangular fence, CS alarm type:
across-fence alarm; In longitude and latitude (113.5, 22.5), (113.8, 22.8) forming a rectangle.

14. Delete Geo-fence

FENCE, 0# or FENCE, N#

Examples:

FENCE, 0#

Delete all fences

FENCE, 5#

Delete 5th fence

15. Vibration Alarm Setting

MOTION, sensitivity, duration#

Example:

MOTION, 2, 5#

Note:

Sensitivity Level : 0-9 ; 1-9 is from week to strong vibration ; 0 means close Vibration alarm.
Duration time : 0-60 seconds

16. Open Shift Alarm

SHIFT, *shift range*#

Example :

SHIFT, 100#

Means Setting 100 meters shift alarm range, when the ignition turned off, Vehicle's 100 meters' shift will trigger the alarm.

17. Close Shift Alarm

SHIFT, 0#

Close Shift alarm.

18. Remote Upgrade

**UPGRADE, *upgrade package,*
*domain name / IP, port #***

Example :

**UPGRADE, c4_2_0_2.exf, update.
sky200.com, 69#**

Firmware package: C4_2_0_2.exf

Domain: update.sky200.com

Port: 69

19. Cut off Oil / Power

RELAY, 1#

Note:

The Command can only be executed by Center Number When it was sent by SMS,.

The Command can not be executed when GPS is not positioned or vehicle speed higher than 20KM / H

If the setup is successful, device will reply:

RELAY ENABLE OK

Otherwise, Command can not be executed and reply the reasons.

20. Restore Oil / Power

RELAY, 0#

If the setup is successful, device will reply:

RELAY DISABLE OK

21. Restart

RESET#

If the setup is successful, device will reply:
RESET OK

22. Restore factory settings

FACTORY#

If the setup is successful, device will reply:
FACTORY OK

23. Version Inquiry

VERSION#

Device Reply Example :

IMEI:354188046912460

IMSI:9460025500276617

ICCID:898602A51314F1298017

SYSTEM:M6000_V1.8.7

VERSION:MXAPP_V2.0.2

BUILD:OCT 19 2016 16:31:00

24. Parameter Inquiry

PARAM#

Device Reply Example :

IMEI:354188046912460

APN:CMNET

IP:HKGPS.SKY200.COM:32001

TIMER:30,1

CENTER:

SOS:13267052361,,

LANG:CN

GMT:E8.00

SAVING:1

25. Status Inquiry

STATUS#

BATTERY: XX% (Built-in Battery Power Percent)

GPRS: CLOSED (No Network)

FAILED (Connecting Network or Failure)

SUCCESS (Connected to Network)

GSM: NONE (No GSM Signal)

HIGH / MED / LOW (Signal Strength)

GPS: CLOSED (GPS Module Closed)
FIXED,N (Positioned and satellite number)
UNFIX,0 (Not Positioned yet)
ACC: ON / OFF (ACC on or off)
RELAY: ON / OFF (Relay on or off)
POWER: OK / NC (Power Connected or Break)
MS: LIS3DH (Motion Sensor type or No display if device don't have that component)

Device Reply Example :

BATTERY:100%
GPRS:SUCCESS
GSM:HIGH
GPS:FIXED,10
ACC:OFF
RELAY:OFF
POWER:OK
MS:LIS3DH

26. Latitude&Longitude Inquiry

WHERE#

Device Reply Example:

LAT:N23.02930,LON:E114.32180,COURSE:0.00,S
PEED:0.00KM/H,DATETIME:2015-05-23 14:39:11

27. Edit Map URL

EURL, *webmap url#*

Example:

EURL, *http://maps.google.com/
maps?q=#*

If the setup is successful, device will reply:

SET EURL OK

28. Map URL Inquiry

URL#

Device Reply Example:

http://map.google.com/?q=22.557868,113.935090
<0.0km/h 0.0>
<2014-12-12 07:32:13>
IMEI:354188047752402

29. Address Inquiry

POSITION#

Device Reply Example:

3 Songpingshan Qimin Road, Nanshan,
Shenzhen, Guangdong, China, 518057

Note: Reply message's language is determined by device's language setting, if get position content failed, device will reply Google Map location link.

30. SMS Forwarding

FW,forwarding number,content#

Examples:

FW,10086,CXYE#

FW,10010,CXHF#

When receives this command, device will send a SMS to *forwarding number* with the *content*, If get a reply from forwarding number in 5 minutes , device will forward the reply to the command sender.

The command usually be used for check the balance of SIM card.