

GPS/GPRS Tracker

Model:FK80

Usermanual

Please read the manual carefully before use the GPS Tracker so that you can install the device correctly and activate it quickly on the internet. The outlook and true color are subject to the actual product.

Accessories:

Microphone



Relay



Cables

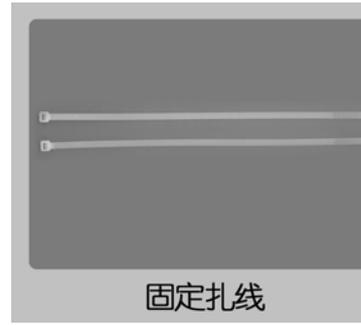


SOS button



2. Technical parameter

- 1) .GSM: 850/900/1800/1900MHz
- 2) .GPRS: Class12,TCP/IP
- 3) . Working Voltage: 9-36V DC
- 4) . Working current: ≈22mA (12vDC)
- 5) . Working current: ≈12mA (24vDC)
- 6) .GPS locating time: Cold start=38s (Open sky) Warm start=32s
Hot start=2s (Open sky)
- 7) .GPS Precision: 10m (2D RM)
- 8) . Working temperature: -20℃~+70℃
- 9) . Working humidity: 20%~80%RH
- 10) . Measurement: 85MM*63MM*25MM



2.outlook:

FELTOP



4. Device status indicators

- 4.1 The left led(power/working state)
Connect DC 9-36V power supply and the red LED will light continuously.
- 4.2 The yellow green LED(GPS signal state)
GPS not fixed, the yellow green LED glistens . GPS has fixed, the LED lights continuously.
- 4.3 The intermediate blue LED (GSM signal state)
GSM signal is normal, blue LED light long bright. No GSM signal, the blue LED flashes.
GSM LED no signal, flashes (0.2 sec/2 sec), Signal normal long bright;
Power LED: long bright;
All LEDs will turn off after 5 minutes. When there is a new call, the LEDs will relight and turn off 5 minutes later.

5. Installation

5.1 Preparation for the installation

5.1.1 Product Check. Open the packing box and check the device's model and accessories. If the model is wrong or the accessories not complete, please contact the dealer.

5.1.2 Choose SIM card. Please insert a SIM card to the device. Please take dealer's advice as reference.

5.1.3 SIM card installation. Push out the SIM card holder by press the yellow key. Then insert the SIM card and put back SIM card holder (as follows).



5.1.4 Connect the device to the 9-36V power supply. (the red LED constant glow)

5.1.5 Install the device in the hidden place of the car with double-sided adhesive or tie wires;

Note: don't install backwards the terminal GSM card

The GSM card must be with GSM function and enough deposit.

If your GSM card need input PIN when power on, please refer your phone's user manual and cancel it.

5.2 Choose the location to instal the device

The GPS tracker must be installed under professional personnel.

Note:

1) Please install the device in the hidden place as followings:

Under the decorative sheet of the front windshield;

Around the front instrument panel (the skin is non-metallic materials);

Under the decorative sheet of the back windshield;

2) Avoid being placed with signal radiators like reverse sensor \ burglar alarm and other Vehicular communication terminal;

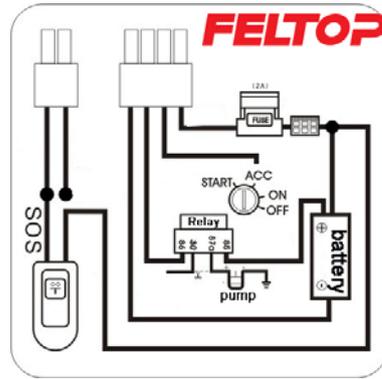
3) The device has GSM antenna and GPS antenna inside. Please ensure the receiving side of the device is face up and without metal cover.(GPS signal receiving side is which side has signalindicator light)

Note: The metal cover sticked on the windshiedl will lessen the receiving of GPS signals.,that will result in GPS working abnormal ,then please

change the Installation Location of the device.

6. Device wiring requirements

- 6.1 The device power supply is DC 9-36V. The red line is positive pole while the black line is negative pole.
- 6.2 The negative pole of power supply connects with ground or the metals. Please do not connect with other ground lines.
- 6.3 When finishing the power supply wire connection, please make the plug of power supply to the device.
- 6.4 concealed installation, Power Cables use the main power wire supplied by the original factory (Such as product accessories figure). Series with the infrared FUSE box (2 a FUSE) can have short circuit overcurrent protection.



7. The Device Working

7.1 Power on: the device will be power on when connecting to the current. Then the three LED indicators will light continuously. The device will upload the data to the online platform (the default interval of uploading data is 10seconds). When the car is in static state for a long time, the device will be in energy saving mode and it will be more smart , precise and more accurate trajectory

7.2 Power off: Pull off the power plug then power off the device.

7.ACC dection

Used to detect status of acc ignition,on/off

8. Sos alarm

Keep pressed on sos button for more than 2 seconds,gps device will send GPRS alert to platform,and call the sos numbers till the calling is answered.

10.Voice monitor

When voice monitor function is opened,admin or center number can call the gps device,and gps device will be monitored after 5 seconds.

When voice monitor is not opened,when the calling is got through,the gps device will reply to center number with good map link.

8. User Settings

1)CENTER		
Text command	Parameter	Sample
CENTER Add	CENTER,A,number#	CENTER,A,13500135000#
CENTER Del	CENTER,D#	CENTER,D#

Command Description	1)Center number can control the oil and power and resume factory settings 2) Center number can receive the call and text of vibration alarm and over speeding alarm. 3) Only one number can be center number. 4) Change center number must resend the command. 5)Add new center number by CETNER,A, and delete by CENTER,D
Command Feedback	Successful Setting: SET CENTER TEL OK!

2)SERVER

Text command	Parameter	Sample
SERVER Parameter	SERVER,code, domain/IP,port#	SERVER,8520, IP:track.felltop.com:8083# SERVER,8520,123.14.139.39,8080#
Command Description	This function changes the server settings, you need to modify the server IP / domain name and port. Port Range: 10 ~ 65535; wherein Password: 8520; Domain: either domain name or an IP address.	
Command Feedback	Successful Setting: SET SERVER OK!	

3)APN

Text command	Parameter	Sample
APN Parameter	APN,SSID[username, password]	1: APN,intenet,123,123# 2: APN,cmnet#
Command Description	APN differs according to the local telecom operators.Users have to confirm the APN parameter For example: APN request password, please refer to Sample1. and Sample2 for no password.	
Command Feedback	Successful Setting: SET APN OK!	

4)LANG		
Text command	Parameter	Sample
LANG	LANG,1# LANG,0#	1: CHINESE 0: ENGLISH
Command Description	When check the location, it will reply the Chinese location in Chinese language setting; while reply the URL link when in English language setting.	
Command Feedback	Successful Setting: SET LANG OK!	

5)123		
Text command	Parameter	Sample
123	123#	123#
POSITION	POSITION#	POSITION#
Command Description	Check the current location	
Command Feedback	When check the location, it will reply the Chinese location in Chinese language setting; while reply the URL link when in English language setting.	

6)WHERE		
Text command	Parameter	Sample
WHERE	WHERE#	WHERE#
Command Description	Check the current longitude and altitude ,time and other information of the device	
Command Feedback	Reply with current longitude and altitude, time,speed and IMEL.	

7)URL		
Text	Parameter	Sample

command		
WHERE	URL#	URL#
Command Description	Check the location link of Google map	
Command Feedback	<Datetime:12-07-05 13:21:30> http://maps.google.com/maps?q=N22.540885,E113.95265	

8)TIMER

Text command	Parameter	Sample
TIMEER Parameter	TIMER,uploading interval#	TIMER,30#
Command Description	Time scope: 10~60 seconds: 10~60,means time interval: the default value is 10s seconds!	
Command Feedback	Successful Setting: SET TIMER OK!	

9)RELAY

Text command	Parameter	Sample
Parameter1	RELAY,1#	RELAY,1# cut off oil and power
Parameter2	RELAY,0#	RELAY,0# recover oil and power
Command Description	<p>1)RELAY control the start and closeness of the relay,in order to control the circle</p> <p>2) Only the center number can operate.</p> <p>3) the device only cut off the oil circuit on the condition of the driving speed below 20KM/H and in Positioning state.</p> <p>4)if it currently do not meet the condition, the device will reply "Do not allow to cut off the oil and power"it declares that the driving speed above 20km/h at this moment ,please try again a little latter.</p>	
Command Feedback	Successful Setting: Relayed enable OK!	

10)VIBRATION		
Text command	Parameter	Sample
VIBRATION Parameter	VIBRATION,alarming level[,alarming way]#	1) VIBRATION,2,3# 2) VIBRATION,2#
Command Description	Set vibration alarm Alarm levels is from 0 to 5, the lower level the more sensitive and 0 is close. Alarming ways: 1, calling 2, texting, 3 calling and texting. Default :1.calling ;you don't have to chose the alarming way such as sample 2; Must set the center number and receiving number.	
Command Feedback	Successful reply: SET VIBRATION OK!	

11)SPEEDING		
Text command	Parameter	Sample
Parameter	SPEEDING, speed [alarming way]#	1)SPEEDING,120,3# 2)SPEEDING,120#
Command Description	The speed scope is form 60-220, if the speed is not in this scope, the alarm is off. eg: SPEEDING,0# Alarming ways: 1, calling 2, texting, 3 calling and texting. Default :1.calling ;you don't have to chose the alarming way such as sample 2;	
Command Feedback	Successful Setting: SET SPEEDING OK!	

12)RESET		
Text command	Parameter	Sample
RESET	RESET#	RESET#

Command Description	Reset the device
Command Feedback	Successful Setting: RESET OK!

13)PARAM		
Text command	Parameter	Sample
PARAM	PARAM#	PARAM#
Command Description	The command is to check the settings and the default parameter.	
Command Feedback	IMEI:351190012535936 APN:cmnet IP:www.gps0123.com:8841 CENTER:center number UPLOADING TIME:15S LANG:Chinese GMT:time zone (E/W8)	device IMEI operator GPRS node sever IP and port moving uploading interval language(CN/EN) time zone(E/W 0-12)

14)STATUS		
Text command	Parameter	Sample
STATUS	STATUS#	STATUS#
Command Description	The command is designed for checking the device's working status.	

Command Feedback	BATTERY:100%	-- Battery status (SOC)
	GSM Signal: MIDDLE	--GSM Signal strength
	GPS:FIXED	--GPS Location condition
	GPS Signal: MIDDLE	--GPS Signal strength
	RELAYER:DISABLE	-- Oil circuit state
	CHARGER:NORMAL	-- Circuit state

Note:A comma in command must be a comma in English, can't use Chinese comma, in the middle can also use # to separate, instead of a comma

9. Trouble shooting

9.1 The device is not online or offline on the web platform

9.1.1First, please check whether the three indicator is normal or not ,if there's no condition for observe,Please use the cell phone to call the terminal SIM card number, according to the reminding tone to determine the status of the terminal.

- If not connected, Indicating that the terminal temporarily can not connect or the GSM signals cannot reach your location

Terminal area may not be covered by the GSM signal or weak signal in the basement and other places, please drive to the open sky.

- If not connected, suggesting that the Terminal is insufficient Or has been shut down

- If reminding the device SIM card is out of deposit, please recharge it.If you can connect to the device when calling,and hear a beep. Du, du. noise the SIM card is installed correctly and has deposited and please check with your operator for GPRS function. You also can check by searching the internet on your mobile phone. If you can not open website ,the GPRS function has not open ,please contact with the operator to open

- If the terminal is not connected and reminding shutdown

At this moment must recall vehicles to check the working status of the terminal, the processing steps are as follows:

a) Check whether the red power indicator is long light.If not ,please check if the device connection point come off or the fuse connected power line is burned out .You might as well measure the voltage of The main power supply 2 p connector with a multimeter,if the voltage is normal,

Please pull down the device and send back to your agency for maintain.

b) If the red power indicator is long light,the blue GSM indicator is not long light ,please check the SIM card for whether it is installed correctly.If installed ok ,please change another SIM card for use

9.1.2 Please check the offline area, it's individual drops or all drops ,in order to judge if the network problem of operators.

9.2 When GPS signal receiving abnormal, please drive to a open place to locate.In general locating time need 1 to 2 minutes for the first time.If long time no locating, Please check if the device location follows up with the requirements.Normal place is no metal block installed

9.3 When GSM signal receiving abnormal, please check if the SIM card installed correctly or the GSM signals may not reach your location (such as the basement), please drive to the open sky.

9.4 The red LED is not glow when power on. Check the fuse of the power line. If the fuse is fused, please change the fuse with the seller,and check the device about the inner malfunction, then power on to use again.

10.GPRS Tips

SIM card GPRS data suggested a monthly subscription service using GPRS: If the vehicle moving for a long time every day, please change the upload interval longer, for example: TIMER,30#