

LK110 Instruction manual



**Precise
positioning**

High speed

4G 0.02s delay

**Bracket fixed free
installation**

Please read this guide carefully before use so that you can use it correctly and quickly. Product appearance, color and accessories are subject to change without notice!

1. Products list

number	products name	count	remark
1	GPS locator	1	
2	Charger line	1	
3	Instruction manual	1	
4	pin for retrieving card	1	

2. Product function

- 1.Support mobile APP/PC web page/SMS/WeChat multi-platform mode query positioning
- 2.The platform supports electronic fence entry and exit alarm / vibration / low power / displacement and other alarms
- 3.Platform supports remote arming/disarming
- 4.Real-time GPS positioning tracking
5. Multiple working modes: power saving mode - the device does not have any alarms, no operation for 5 minutes, the device goes to sleep, GPS off SMS can be restarted;
real-time mode - after the device is stationary for 5 minutes, it automatically goes to sleep, GPS off, vibration and text messages can wake up the device.
- 6.Remote restart
- 7.Support bicycle taillight indication.

3.Product parameters

Content	product	4G version of strong magnetic vehicle positioning terminal
	model	LK110
	colour	black
	Way to install	Bracket is fixed and detachable
	application	E-bike,bicycle
configuration	SIM SD	NANO card
	chip	Spreadtrum SC9820E
	G-sensor	Three axis acceleration sensor
	Start Time	Cold start 45-120s
		Warm start 35s
		Hot start 1s
	bettery	3.7V 3000mAh Ahpolymer battery
	standby	10days
	voltage	DC: 5V
	Electrostatic protection	touch +/-7KV
		Air+/-14KV
	Operating tem	-20℃~55℃
	Operating humidity	5%-95%
	Storage tem	-40℃ ~85℃
	size	105 x 60 x 28mm
	weight	130. 9g
4G	4G	FDD-LTE:B1 B2 B3 B4 B5 B7 B8 B12(17) B20 B28 TDD-LTE: B38 B39 B40 B41
	3G	WCDMA:B1/B5/B8
	2G	900/1800 MHz
	Frequency error	±0.1ppm

GPS	Received signal	48dBhz above
	Received power	-120dBm
	Location precision	10 m
	Location time	Cold boot 35s-80s
		Hot boot 1s
	Tracking sensitivity	-165dBm
	channel	66 passage

4.lte/LED Indicator Definition

Green Indicator: GPRS/LTE

Status of indicator	Meaning
Flash	GSM/GPRS conversation start
Continuously in bright status	No GPRS/lte signal
Green Led off	Power off or in sleep mode

Blue Indicator: GPS

Status of indicator	Meaning
Flash	GPS location successful
Continuously in bright status	GPS signal searching
Blue led off	Power off or in sleep mode

Red Indicator: Power charge

Status of indicator	Meaning
Continuously in bright status	charging
Red led off	Full battery or charged full

5. Device enabled

5.1 Open the cover of the device. insert a 4G sim card as shown in the picture, with the chip facing down.



5.2 Install the SIM card correctly

Be sure to confirm that the SIM card has not activated call forwarding and caller ID and the PIN code is off. The SMS must be in plain text format and cannot identify the PDU format.

Open the waterproof rubber plug and use the sharp object such as card reader or toothpick to click the left boot hole. The device vibrates and the indicator light is on.

a. Set admin number, by sending a SMS command to the SIM card inside device.

For example: admin123456 +86186***** (+86186***** should be your phone number)

b. Set APN: APN123456 CMNET (please use your local APN instead of CMNET, if you do not know the APN content, you should contact your SIM card supplier. If a sim card haven't APN user and user account, the device will recognize the APN by automatically)

For example: view the more command as below.

5.3 the light of Bicycle taillights

5.3.1 Warning (LED) light indication

Warning LED light button mode:

1, Press once and the light is always on.

2, Press again and flash for 1S. 3, Press again to extinguish.

Use it in cycle.



5.4 Battery and charger

Charge the battery for 8-12 hours on the first time. Please use the charger and battery that are configured by the manufacturer. The standard configuration battery is a lithium battery.

Warning :

a: The battery of this product is a lithium battery that contains harmful chemical components and may explode. Please do not force it, puncture it and put it into fire.

b: Please charge in time to keep the equipment working properly.

6. More Commands

(Note:Command letters are uniformly lowercase or uppercase)

Function	Command Format	Reply	Delete	for example
Apn	apn123456,content	apn ok		
	apn123456,content,user name	apnuser ok		
	apn123456,content,user name,password	apnpassword ok		
admin number	admin123456+space+admin phone number	admin ok	Admin123456 0	admin123456 0
time zone	timezone+123456+space+GMT No.	timezone ok		timezone123456 +1
Timing mode(default 30s)	upload123456 30	upload ok		RangeValue:10-86400s(when the frequency is 600s and more, it will become the Timing mode)
Real-time uploading	d123456			
Position	g123456	google map		
Tracker	tracker123456	tracker ok		
Arm&Disarm	SF	Arm delay in 0s	CF	
Power low alarm	LOW,1			
Power save mode	sleep123456 time	sleep time ok	sleep123456 off	sleep off ok
shock sleep	sleep123456 shock	sleep shock ok		

Restart	rst	restart ok		
Back to factory	format	No reply		
Language setting	lag1	English oK		
Signal status	status	BAT:6, GPRS:1,GSM:2,GPS:1,ACC:0,oil:0,Power:1,S:0		
Parameter query	Param1	software version number, device ID, domain name, APN, network signal, security status, vibration sensitivity		
Firmware update	checkUpdate			

More details command by APP , please check from app while device is online.

7. APP Download and installation and login

3.1 Download the Mobile APP

3.2 Method 1:scan QR code to download:

Please turn on mobile for scan'Google play store to download,scan the QR code below.

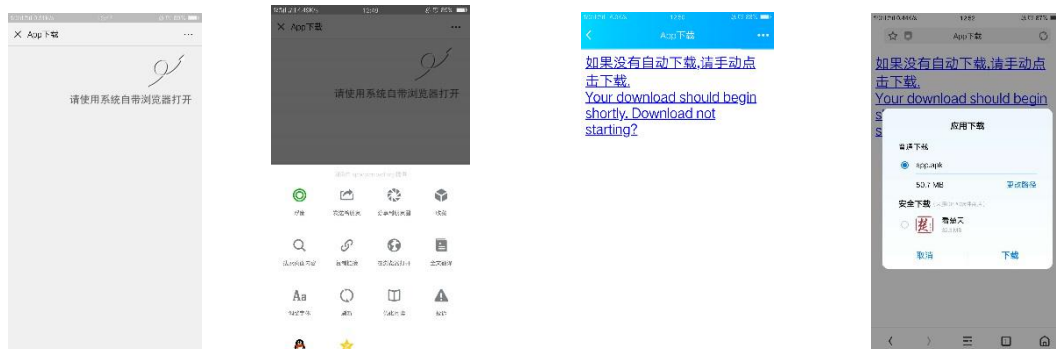


Open in browser Top right of the screen Click  在浏览器打开 Select "Ordinary Download"



Button

Open in browser



3.3 Method 2: app store or app stores search“LKGPS2”to download.

Notice: some mobile phone brand software application market can not be searched “LKGPS2”, only have “LKGPS”, because “LKGPS” out of use, Select method 1 to download and install.

Please refer to the following figure for APP login:



Select "IMEI/ID login" for the first time, select "666" for the address bar in the first column, and input the 10-digit number on the barcode of the device. The default password is 123456.

Click “Login” to login

After setting and perfecting user information after login, other login methods can be used

Note: (1) The first column address bar optional items: please select "666" for domestic users and "LKGPS" for foreign users,

(2) incorrect selection of address bar results in an error report of "Username or password is incorrect", unable to log in normally

3.4 Stand-alone version of the software first page analysis



The settings include: reminder settings (phone sound and vibration settings), change password, skin replacement, instructions for use (multi-machine manual), exit current login

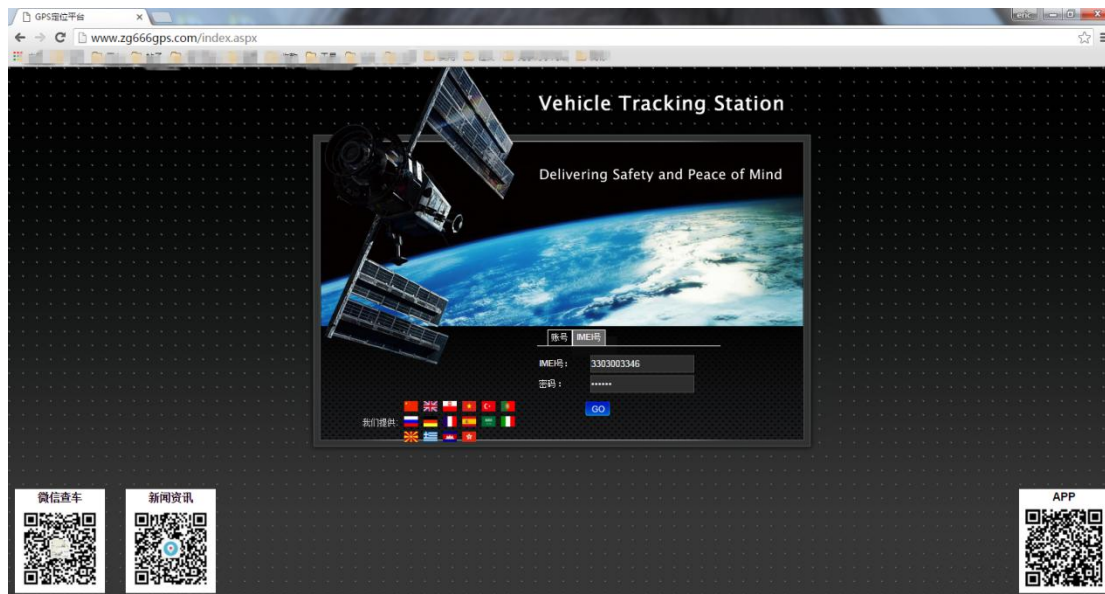
More setting buttons include: command delivery (arming, disarming, master number, upload frequency, vibration sleep, power-saving sleep, vibration sensitivity, teardown alarm, remote restart, time zone setting, factory reset), electronic fence, device information (Device name, device number, expiration time, license plate number, device model, device SIM card number, contact, contact phone number), product description (to be updated), device message

Note: (1) If you need to use the multi-machine version of the advanced account, please contact the equipment manufacturer, you can use the account after opening the exclusive account, the software operation interface is slightly different.

(2) Multi-machine version of the advanced account and more operations, please refer to the "LKGPS2 Software Specification Manual" or settings - instructions for use

8. PC side web version use

Web version login:



Enter www.zg666gps.com.

Select IMEI, enter the 10_digit number on the device barcode, the password defaults to 123456, click GO to log in,

For overseas users, please enter www.lkgps.net, net in the browser address bar. Other operations are the same.

After logging in and setting up and perfecting user information, binding mobile phone number, License plate number, you can use other login methods.

Note: please refer to the "Location Tracking Platform Instruction Manual" for specific usage and operation methods.

9. Notice

6.1 Do not stress the car electronics

6.2 The SIM card slot or the inside of the device enters the magazine, which may cause an operation error or malfunction.

6.3 This product cannot work normally in the power-off state or outside the service area, even if it is a registered user.

6.4 Do not disassemble, repair or modify this product, there is no user_maintainable part of this machine, if there is any problem, please contact customer service.

6.5 Please use this product in the legal field, Any consequences of violation of the law will be borne by the user.

6.6 Keep the equipment in a dry environment, and the wet environment can easily damage the internal circuits.

6.7 Please don't put it in a place that is too hot or cold.

6.8 If it is dirty, please use a dry cloth to clean it, do not use chemicals or detergents.

6.9 Please do not paint equipment, which may cause internal circuit failure.

6.10 Do not disassemble equipment