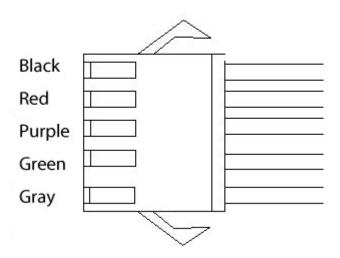# K11 User manual

Packing List of K11

1. K11 Main Unit 1pc
2. 4-Pin Harness   1pc
3. Velcro 1pc

No.	Color	Connect to
1	Black	Power -
2	Red	Power +
3	Purple	Relay
4	Green	Door Open Signal
5	Gray	Door Close Signal

Parameter Diagram

No.	Item	Parameter
1	Working Voltage	DC 9-36V
2	Working Current	Normally 30-55mA@12V Sleeping Mode 16-20mA@12V
3	Size	88*50*18mm
4	Positioning mode	GPS
5	Positioning Accuracy	<10m
6	Communication Network	GPRS
7	Communication Mode	TCP/UDP
8	Working Temperature	-25 to +75 centigrade

9	Storage Temperature	-40 to +85 centigrade
10	Weight for main unit	54.8 g
11	Backup Battery	3.7V 280mAh Li-ion battery

Functions

Function	Function Details	Function Description
Vehicle Monitoring Function	Check location timingly	Check real time vehicle data with setted time interval
	Timing Monitor	Set time interval for monitor
	Blind area data upload	Memory 200pcs blind area data and upload it to online tracking platform when the signal is back
	Version Checking	Check version via online tracking platform
	Mileage setup	Set initial value of mileage
	Cut off Engine	With relay, send SMS to cut off engine and restore.
SMS Function	SMS Command For online tracking setup & check parameter	SMS command for online tracking; <CKBSJ> to check terminal parameter
	Check location	Send "map" or "position" to check google link
	SMS set time interval	Send sms command "ACC ON/OFF+time" to set upload data time interval of ACC ON & ACC OFF
	Restart via SMS	Send "restart" to restart tracker, parameter will not changed.
Vehicle Alarm Function	Upgrade firmware in air	Need cooperation of customer and supplier
	GEO-Fence Function	Max. Set 10 fences and trigger alert when it enter or exit the fence
	Over-speed alert	Set over-speed alert data and when the speed is over this data, alert will triggered.
	Low Voltage Alert	Triggered when main power voltage is lower than 10V
	Vibration Alert	When the vibrated accelerate speed is more than set data, vibration alert will triggered and upload a location information to online tracking platform
Others	Open/close car door remotely	Open/close car door via online tracking platform.
	Inflection point	Upload location online when the turning angle is bigger than set
	LBS Location	Locate the vehicle according to LBS

	Check time	Tracker will use GPS time if it is working promptly(can get location), or, it will use time of online tracking platform
	Phone call & SMS report	Phone call & SMS information will upload to platform (include SMS content, number, time, etc.) Max. 10pcs.
	Check SIM Card credit via platform	Check tracker SIM card credit via online tracking platform.
	Low Power Consumption Mode	Turn to low power consumption mode after 5 minutes of ACC OFF. This status will upload to online tracking platform with location. Tracker will wake up and turn ACC ON if it is vibrated, if there isn't vibration in the future 10 minutes, it will turn to ACC OFF again.

Setup and Operation

1. Unit Setup

(1) Check unit

    Please check whether the equipment is in good appearance & whether accessories are completed.

(2) Set In SIM Card

Please press out the sim card slot and put SIM card in. Please not put sim card in or out when the equipment is connecting power. And please make sure the SIM card have data service.

(3) Setup Position

A. Waterproof: Please set the equipment in dry surroundings, keep it away from air conditioner vents to prevent condensation water inside of the main unit.
B. Anti-Vibrate： tracker cannot installed in where is long term vibrated
C. Anti-interference: tracker should stay away from car audio or intercom devices, to prevent conducted and radiated interference.

(4) connect to Car Main Power

    Please connect the main unit to car main power according to the form before. Connect Red wire to power "+" ---Car master positive power supply.
    Black wire connect to Power "-" or grounding, but please ensure good conductivity of the grounding place.

2. SMS Command for Online Tracking Setup

Exactly format is:

<SPBSJ*P:12345*T:111.111.111.111,1111*U: 111.111.111.111,1111*A:CMNET*N:130 00000000>

SPBSJ: is Header
P: Password   (default password is: BSJGPS)
T:111.111.111.111,1111 is TCP IP and Port
U:111.111.111.111,1111 is UDP IP and Port
A: CMNET is APN
N: 13000000000 is terminal

1. <u>FAQ</u>

(1) <u>LED Light</u>

LED Light	Status
GSM LED (red)	OFF: no GPRS signal or not register online or LED light damage
	ON Steady: have GPRS signal but not online
	Flash Slowly (1 time/second): online
	Flash Quickly (2 times/second): When Power is connected, red light will quickly shining 5 seconds, then, turn to normal status.
GPS LED (yellow)	OFF: GPS module damage or under sleeping mode (power saving)
	ON Steady: tracker searched satellite signal, but not get valid location
	Flash Slowly (1 time/second): get valid location

(2) FAQ

Question	Reason	Solution
Online tracking offline	SIM Card not enough credit	Charge credit
	SIM Card contact problem	Reinstall SIM card
	Online tracking parameter setting error	Reset Parameters with correct format according to user manual

	Vehicle in underground car parks or tunnels, signal weak.	Go to good signal area
Cannot locate	Vehicle in underground car parks or tunnels	Leave that area
	GPS Antenna Side is not up to sky	Make the gps antenna side up to sky

2. <u>Attention</u>

1. Away from water

2. Please keep the car battery fully charged

3. Device working current is 8-15V, recommended 12V. Tracker will damaged if the current is higher than 15V.

4. Working temperature is -20 to 70 centigrade, Please cur off power if the temperature is over this range.

5. When vehicle is in underground parks, tunnels or garage, maybe GPS signal will not very good. Communication network blind area will be caused and cannot monitor vehicle. When the car is out of that area, it will working good automatically.

6. Please not repair by yourself when the device not working properly.

3. <u>After-sale service</u>

1. One-year warranty. During this period, please feel free to connect us if there is any problem or damage not caused by human factors.

2. Not maintenance: (1) client dismantled privately (2) force majeure (floods, accidents,etc.)

3. More than one year damage or faulty maintenance will need to pay for raw material

4. Before-sale, after-sale service for free.