Automatic Vehicle Location

User Manual

KY-500AVL

Contents

1. Functions

1) Tracking and controlling by mobile phone.
2) Tracking online and Reply Street name to mobile phone directly.
3) Easy to hide, easy to install
4) Engine alarm: In arm status, somebody start the engine, the owner will receive the SMS from the device and stop the vehicle automatic. You should send the disarm command when you want to cancel this alarm.
5) Power off alarm: When device power off, it will send the SMS to owner
6) Stop the vehicle: the owner can send the command to the device; the device will stop the vehicle intelligent (According to the speed)

2. The LED light working status

a) Red LED flashing means no GSM signal; please check SIM card installation and device installation position.

b) Red LED always lighting means GSM signal is ok..

c) Blue LED flashing means device is getting GPS signal, please hold on.

d) Blue LED always lighting means GPS signal is ok.

3. Command SMS list：（default password 123456, control by the cell phone）

W123456,005	Get Google maps link
W123456,023，Sensor sensitivity（0~9）	Set the vibration sensor sensitivity（The system default 5）
W123456,021	Query the parameter setting
W123456,022	Alarm/Disarming setting(switch)
W123456,020	Clear the total mileage
W123456,019,speed	Overspeed alarm setting
W123456,018，mileage	Mileage alarm setting
W123456,010	Cut off the oil & circuit
W123456,011	Resume the oil & circuit
W123456,015	Gets the address information in Eng. & Chi.
W123456,012，IP，port	Set the server IP and port
W123456,009	SMS/calling alarm switch
W123456,014，time	Set the upload time interval of positioning information
W123456,601	Query device's ID

W123456,017	Restart the Device
W123456,001，new password	Modify user passwords
W123456,016，telephone number	Monitoring ,The device callback this number
W123456,002	Open the voice control function
W123456,003	Close the voice control function
W123456,004，telephone number	Set the alarm numbers/admin number
W123456,006,time	Set the time into alarm status
W123456,008	Query the current total mileage
*#RESUME	Initialize the password is 123456

4. The Workflow Description

4.1 Once the device start, it will update the location of last time automatically.

4.2 The update time of car stop is 6 times of the update time car moving. For example, if you set 10 seconds to update one time when car is moving, so, when the car stops, the update time will be 60 seconds. You only set update time of car moving by SMS command (W123456, 014, time), and you can't set the update time of car stop by SMS.

4.3 After ACC off 20 seconds, the car will go into alarm status automatically.

4.4 If the device detected the shake or vibration happened over 1 minute in ACC off status, it will alarm by SMS/calling.

4.5 You can choose the alarm way through SMS or calling by sending SMS code to switch.

4.6 This device support 9-100V voltage.

5. How to active GPRS

5.1 Setting GPRS connection（APN setting）

*APN, APN Name, ip,port,user name,password

For example: *APN,CMNET,0.0.0.0,0

Here ip and port means simcard's agent IP and port, which is different with our server IP and port, if your mobile company have no agent IP and port, just write 0.0.0.0,0. If no user name and password, just ignore it.

It will reply SMS if setting ok.

5.2 Setting server IP and port

W123456,012,IP,port

For example: W123456,012, 211.162.76.154, 17010

It will reply SMS if setting ok.

5.3 Setting GPRS date update time

W123456,014，time

For example: W123456,014,10

It will reply SMS if setting ok.

Remark：The unit time is second, W123456,014,10 means update data per 10s in running, and update per 1 minute in stopping. When the car stop, the defa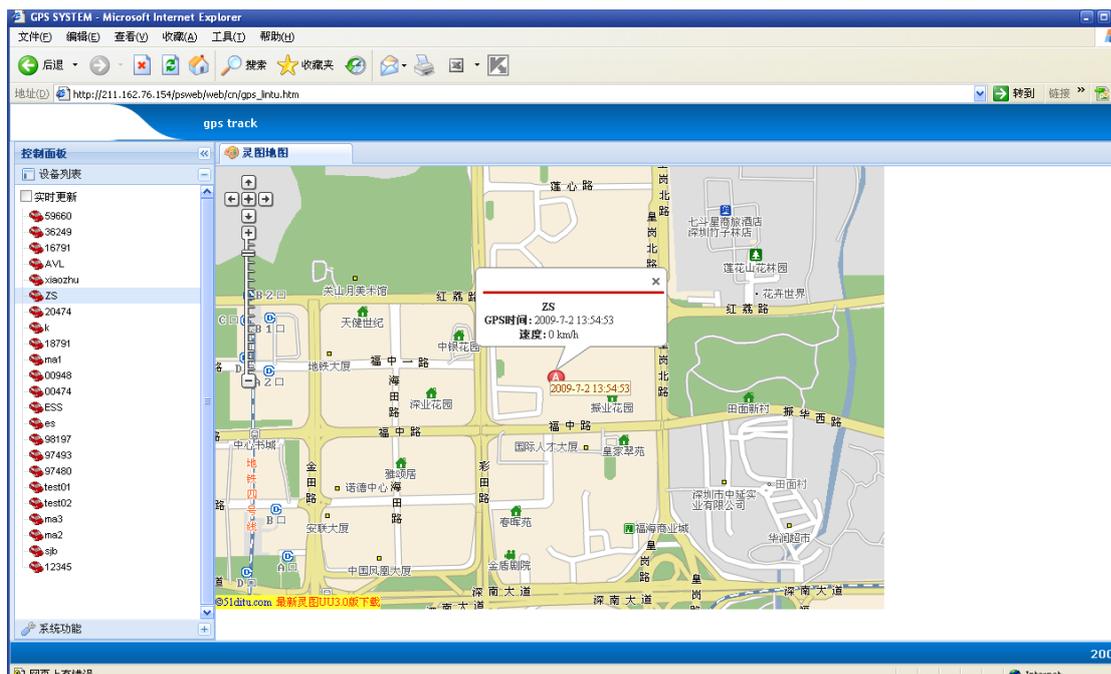ult interval time is 5 minutes. This device have set most countries APN inside, normally, you don't need set APN, IP and port again. If you find the device have not your country's APN inside, you can set it manually.

5.4 Demo Screenshot

http://gsm110.vicp.net/gps/

User name: demo

Password: demo

6. Voice Control Operation

You have to set the admin phone number into device by SMS command (W123456,004，telephone number) firstly, and then when you use this admin phone to call it, you can enter the voice operation system directly and operate it as per the voice instruction. If you use other phone number to call it, you can enter the voice operation system.

1). Listen-In

2). Location

3). Cut off engine

4). Resume engine

5). Change the password

6). Set the admin phone number

7). Inquiry command list

7. FAQ & Troubleshooting

(1) The other functions are work well. But the mobile can not receive the alarm information.

_The SIM card inside the system has no credit.

_Please contract with the management center to reset the owner's mobile number

_The inbox of the user's mobile is full. Please delete the information in time

(2) Please don't fix it by yourself if it has the abnormal problems .We have no responsible for it. Due to the connect to non-original

(3) Please don't use the device under the moist situation. You must keep the device away from water when you wash the motorcycle.

(4) When the vehicle is in the building, cave, and tunnel or there are many tall building around it. It will have an effect on the reception of the GPS satellite signals, the GSM communication network signal and lead the device does not work. When the vehicle drive across the areas above, the device will recover working automatically.

(5) The GPS does not position for a long time

_It will take a long time to star working for the new device's GPS receiver. It is a normal phenomenon that the device does not location in two minutes.

_There should not have shielding material over the GPS antenna. If you need to settle the device in your car barn, please move your car out and keep away from the tall building when you try to use our device.

8. After-sell service

(1) One year warranty since install device. During this period, you can contract with us in time if the device was damaged because of the non-human factors and the quality of the production.

(2) After one year warranty, we are responsible for the maintenance if the device is used in wrong way. But you need to pay for money of maintenance material and labor.

(3) Our company do not provide the free warranty if you apart the cover of your device

(4) There have no warranty if the device are damaged by the water

(5) There have no warranty if the shell mill and collision deformation

(6) There have no warranty of our accessories.(such as wiring harness ,GSM antennas, GPS antennas and relay)

9. The Parameter Description

Feature	Min	Class	Max
Working Power	9V	12/24V	100V
Quiescent current	30mA	55mA	70mA
Working current	50mA	80mA	1.6A
Working temperature	-30℃	25℃	80℃
Working Humidity	20%	85%	95%
GSM frequency	850Mhz	900/1800	1900Mhz
GPS channel		20	
Replay output current	30A	35A	40A

Remark: We had set the device in working mode, it can intelligent sense mode, turn on or turn off the device, to save the power of the device
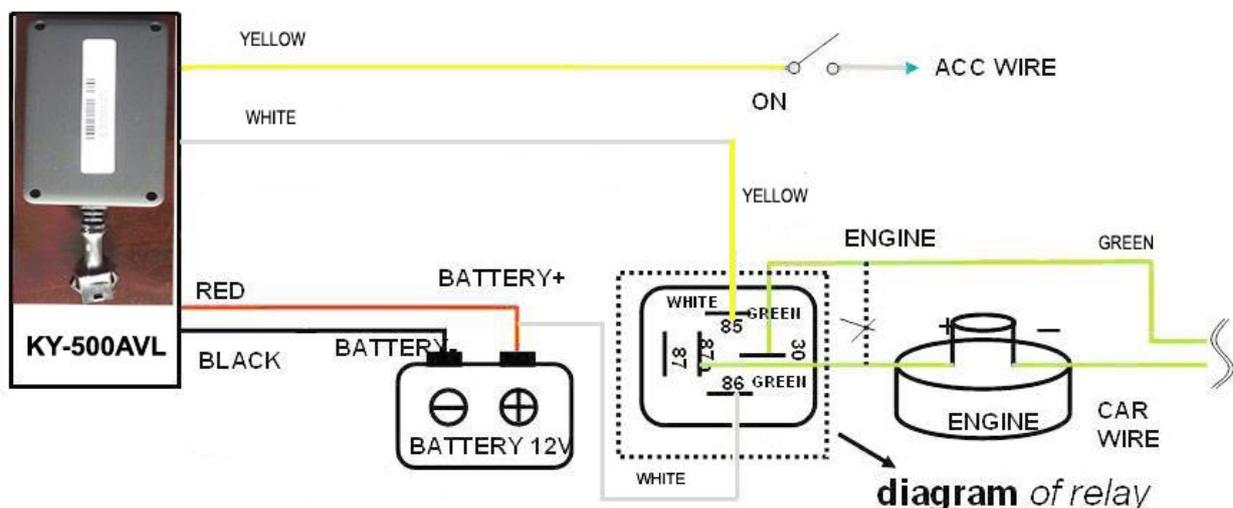
10. The Preparation before installation

✧   Check the motorcycle voltage accord with the device voltage arrangement
✧   Check the whole set of the product; make sure all the accessories are fit for your need.

11. Wiring diagram

Connect the power with the vehicle wire

Let the device keep away from the electronic aid in vehicle or other heating elements, especially the wireless elements and High Power Electronics. Please fix the device, in case to damage the device after long time shaking.

11. Product list

Mainframe, Relay, Wires.