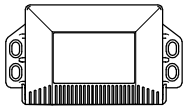
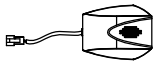
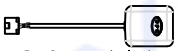
User's Guide

Parts List

 Control box * 1	 Buzzer * 1
 Sensor * 4	 Sensor holder * 4
 Buzzer extension cable * 1	 Power wire * 1
 GPS module* 1 For front sensor only	 φ18mm punch* 1 Cable tie (4*150mm)*5

Specification

1. Operated Voltage: DC 10~15V
2. Operated Temp.: -30~+70° C
3. Consumption.: ⩽4W
4. Sensor detection distance:
   Front mode:
   Left and right sensor:0.9m, Middle left and right: 1.2m
   Rear mode:
   Left and right sensor:1.5m, Middle left and right: 2m

Function

1. Working condition:
a.After the ignition is turned on, and the vehicle speed < 20km/h, the front sensors will work;
b.If the reverse gear is engaged, the rear sensors start to work.

2. Warning mode:

(1).Front working mode:

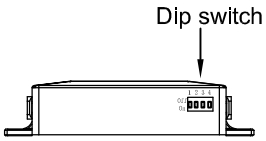
Distance	Alarm
1.2m~	No warning beep
0.3m~1.2m	step-up alarm frequency ▼ BI-----BI-----BI / BI--BI--BI / BIBIBI
~0.3m	Constant beep

(2).Reverse working mode:

Distance	Alarm
2.0m~	No warning beep
0.3m~2.0m	step-up alarm frequency ▼ BI-----BI-----BI / BI--BI--BI / BIBIBI
~0.3m	Constant beep

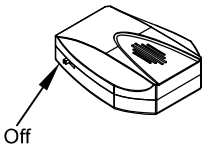
3. Setup function

（1）Control box



No.	Status	Description	Note
4	ON	Reserved	
	OFF	Reserved	
3	ON	Front sensor mode	Default
	OFF	Rear sensor mode	
2	ON	Spare tire learning (for rear sensor only)	
	OFF	No spare tire	Default
1	ON	Low sensitivity	
	OFF	Normal sensitivity	Default

（2）Buzzer

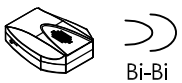


No.	Switch position
1	Hi
2	Lo （default）
3	Off

（3）Self-diagnosis function

a.If the self-diagnosis pass, the buzzer will beep once; if the self-diagnosis fail, the buzzer will beep twice.

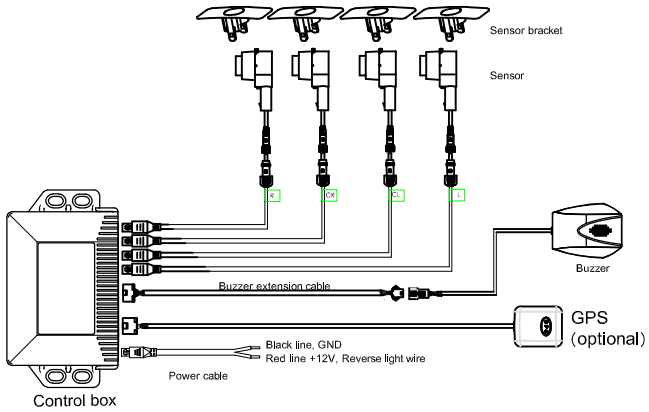
Self-diagnosis pass



Self-diagnosis fail

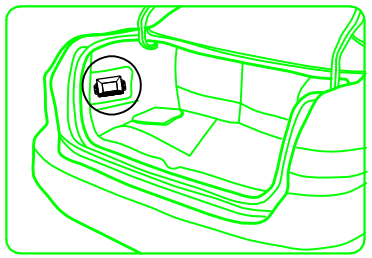
Installation

1. Wiring diagram



2. Control box

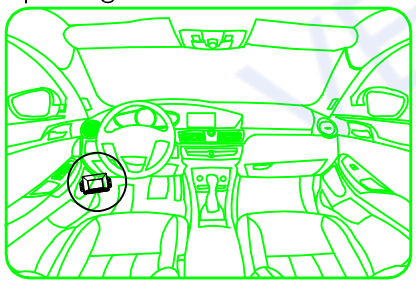
2.1. Rear parking sensor mode



（1）The control box is suggested to stick on the left side of the trunk;

（2）Please clean the surface before stick the control box.

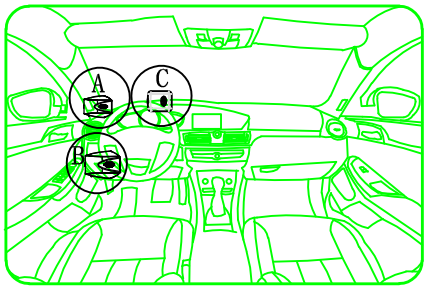
2.2. Front parking sensor mode



（1）The control box is suggested to put under the dashboard;

（2）Please clean the surface before stick the control box.

3. Buzzer and GPS



(1) The buzzer is suggested to stick on or under the dashboard;

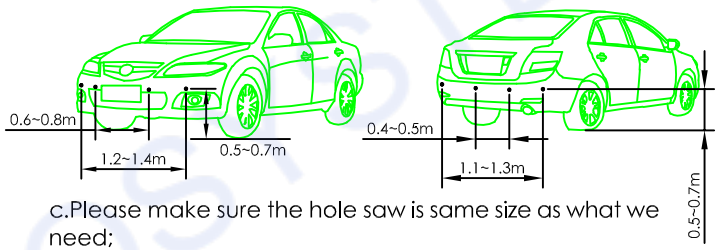
(2) The GPS is suggested to stick on the dashboard;

(3) Before stick, please clean the surface.

4. Sensor

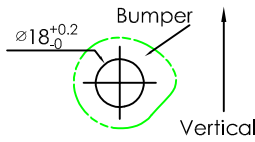
(1)Installation position

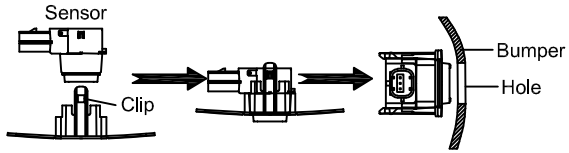
a.Front parking sensor mode b.Rear parking sensor mode



c.Please make sure the hole saw is same size as what we need;

d.Please remove the burrs around the hole after drilling, ensure the size of the hole and make sure there's no sponge. Make sure no metal or plastic parts contacting with sensor, otherwise the system might work abnormally (eg: false alarm);





e. Connect the sensors according to the labels;

f. Please make sure that the wiring harness is fixed and far away from vent-pipe.

5. Connection guide

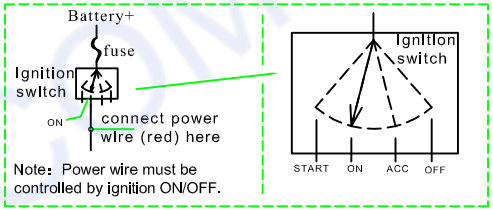
a. This product is used to 12V vehicle;

b. Connection of IGN (red) or reverse light cable, in order to reduce the interference from power, make the connection point close to the ignition "ON" switch;

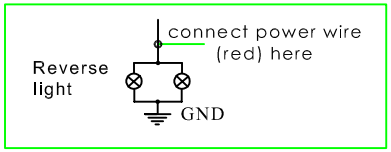
c. Connect GND

Connect the ground ring (black wire) to a metal part on vehicle body.

Front parking sensor mode:



Rear parking sensor mode:



Function test & Trouble shooting

1. If there's no response after the power is on, please check the connection of the control box, sensor, buzzer and all the connectors;
2. The buzzer gives out warning, even if there's no obstacles, please check the sensor installation direction, and make sure the sensor surface not face ground.
3. If the direction of the warning is not correct, please kindly check the connection of the sensor.

Notices

1. Because of automobile inertia and other facts in practical situation, please reverse automobile <5km/hr; when the display show distance ⩽0.5m, please stop the automobile;
2. Please clean the ice and mud if there's any on the surface of the sensor.
3. When running on large angle slope, grass land or gravel road , it is easy to give out fault warning;
4. Parking assistance system is only used as an auxiliary equipment,
driver needs to take responsibility of driving safety by himself.