

# GATOR



## Technical Assistance

If you need assistance setting up or using your Gator product now or in the future, call

Gator Support, Australia

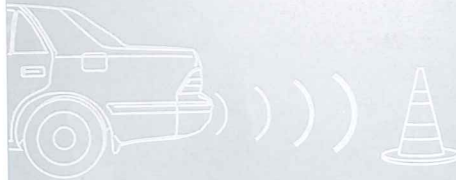
TEL: 03 – 8587 8898

FAX: 03 – 8587 8866

Mon-Fri 9am – 5pm AEST

Please retain this user guide for future reference.

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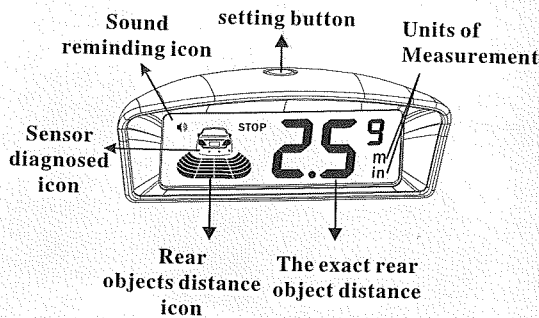
## GR4S Instruction Manual

It is recommended that before installation please read this user manual carefully. And keep it for future reference!

# LCD Display

## Button functions:

1. Press this setting button for 1 second to turn sound reminding ON/OFF.
2. Long press setting button to show Meter or Inch.



## Introduction:

This system is designed to provide a warning to assist the driver in detecting stationary objects when reversing or pressing the foot brake during driving. It consists of wireless control module, ultrasonic sensors, wireless LCD display. This parking sensor system helps driver to avoid accidents when the vehicle is in reverse by automatically detecting objects behind the vehicle. The system is safe, simple and reliable, and maintains an outstanding performance and durability.

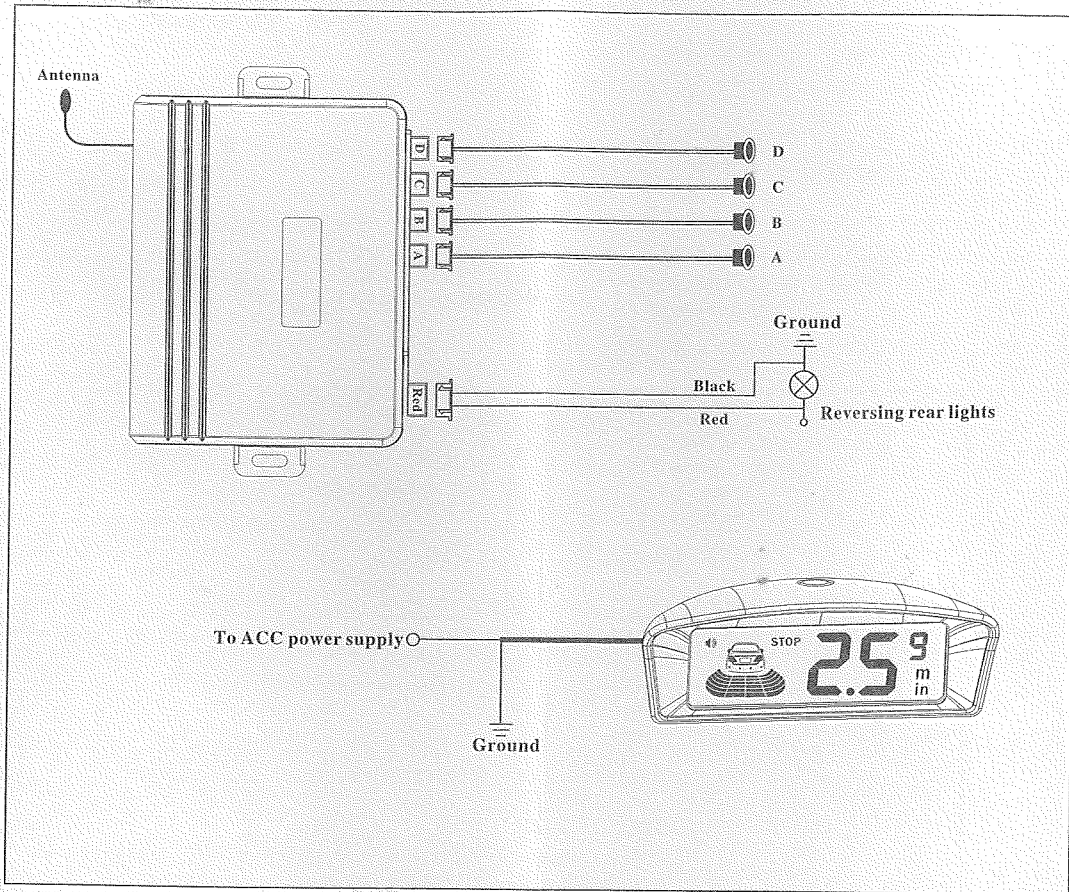
## Features:

1. The system will be activated when the vehicle is reversing, and will indicate the rear object distance.
2. The system will diagnose the four sensors, and indicate the fault one in the display
3. Full angle LCD, with yellow, orange colour and big digit display.
4. Long range detection of an object up to 2.5 m, detect precision to 0.01 meter.
5. Wireless transmission for easy installation, saving 70% installation time.
6. Provides the distance in inch and meters selectable. Sound reminding can be turned off.
7. All sensors passed aging testing, anti-jamming of electromagnetic wave.

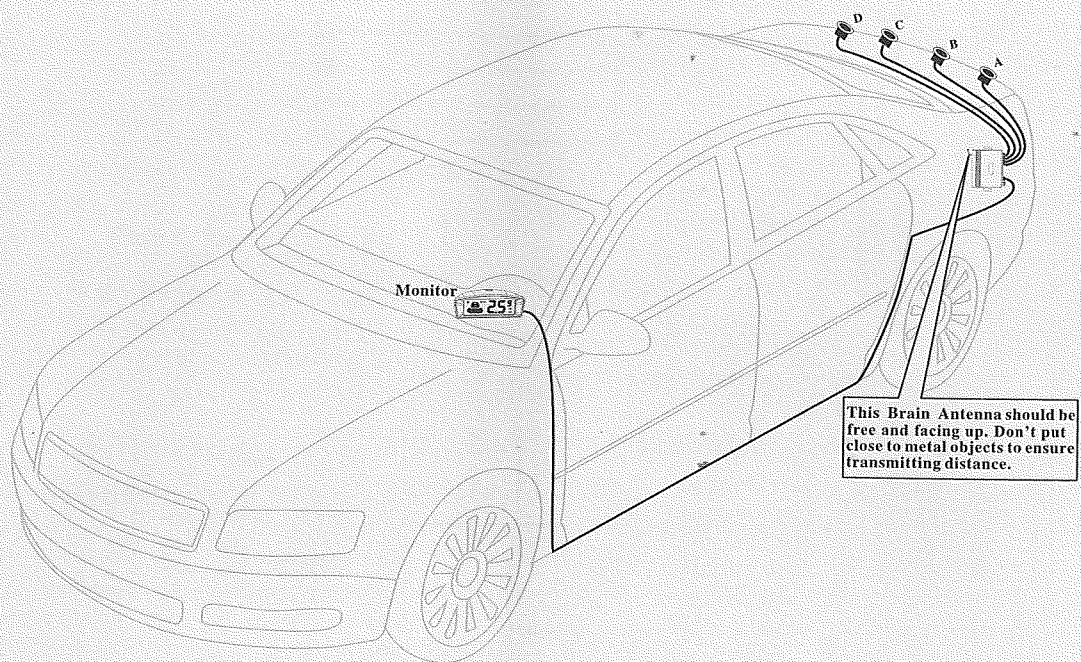
## Technical data

1. Operation voltage: 10.80~15.0V
2. Operation current:  $\leq 100\text{mA}$
3. Max. power: 2W
4. Operation temperature:  $-30\sim+80^{\circ}\text{C}$
5. Detecting range: 2.5~0.3M
6. Wireless transmitting range: 20M
7. Buzzer volume: 70~80dB

# Wiring Diagram



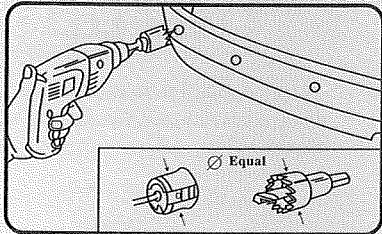
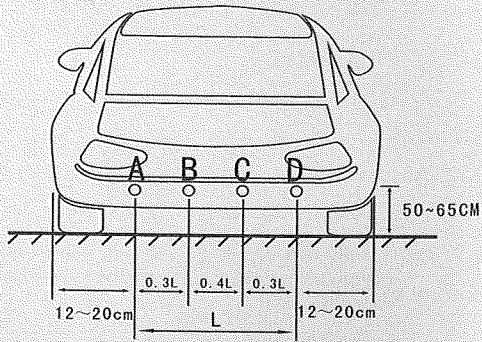
## Brain Unit Installation



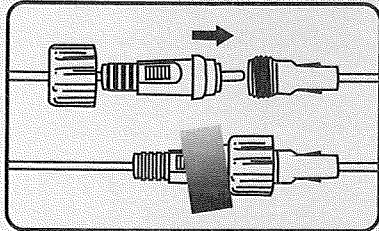
### NOTE:

1. Fit this system on a vehicle using 12V power supply with negative earth
2. It is suggested to install this system by qualified technician.
3. Make sure all wires routing properly, avoiding high temperature and high voltage.
4. Wiring connection should be taped by insulating tape.
5. After completed installation, please test first.

## Sensor Installation



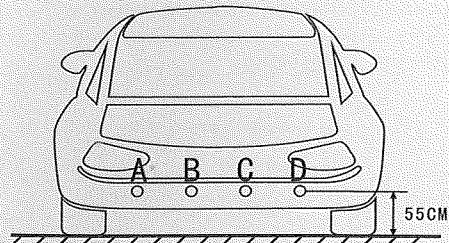
Please make sure the diameter of the drill is the same as the sensor before drilling



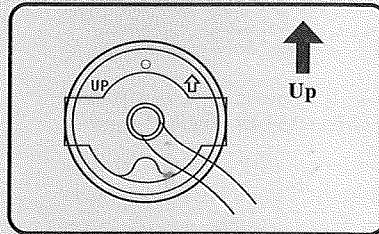
Put the waterproof plug into the terminal then tight screw

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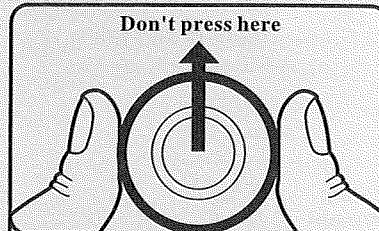
## Sensor Installation



The height from the center of sensor to the ground should be between 50~65CM from the ground, the best height is 55CM



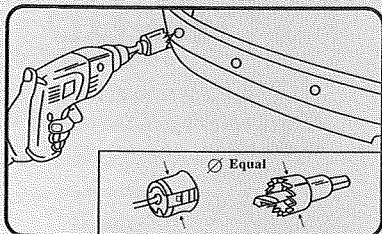
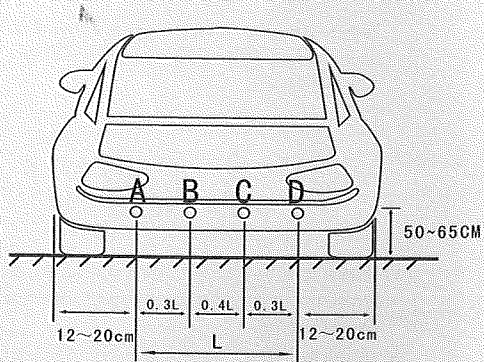
Please install correctly according to the above picture to avoid wrong warning.



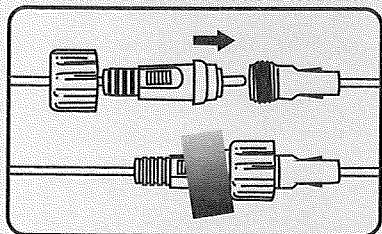
If installation tape is unavailable, please clip the edge of sensor as picture shown

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## Sensor Installation



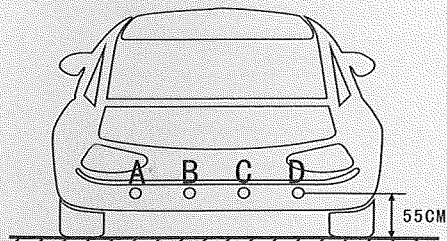
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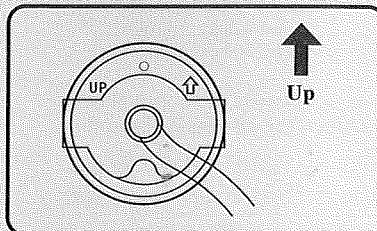
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7

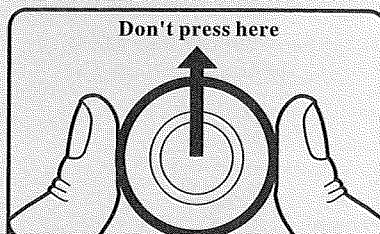
## Sensor Installation



The height from the center of sensor to the ground should be between 50~65CM from the ground, the best height is 55CM



Please install correctly according to the above picture to avoid wrong warning.

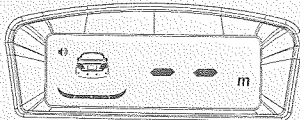


If installation tape is unavallable, please clip the edge of sensor as picture shown

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## Reversing Display

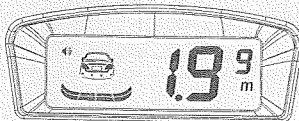
When there is not any obstacle behind or the distance is more than 2.5M, the display will show as figure below.



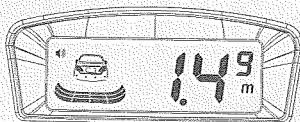
When the car is between 2.5M and 2.00 M from a rear object, the display will show as figure below.



When the car is between 1.99 and 1.50M from a rear object, the display will show as figure below.

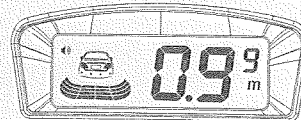


When the car is between 1.49 and 1.00M from a rear object, the display will show as figure below.

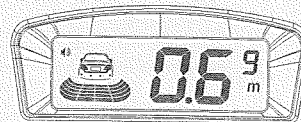


## Reversing Display

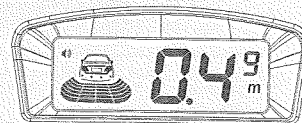
When the car is between 0.99 and 0.70M from a rear object, the display will show as figure below.



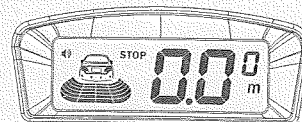
When the car is between 0.69 and 0.50M from a rear object, the display will show as figure below.



When the car is between 0.49 and 0.30M from a rear object, the display will show as figure below.

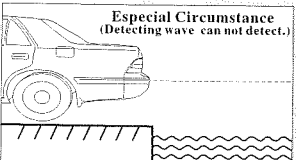
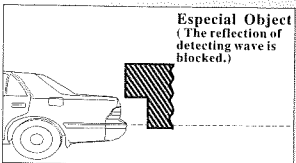
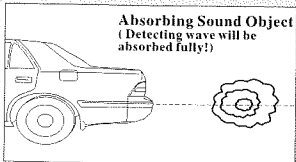
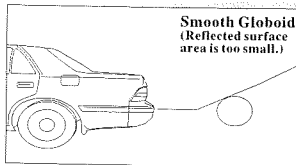
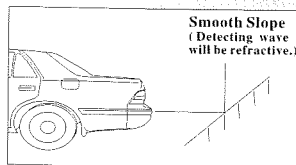


When the car is closing to the rear object within 0.30 metres, the display will show as figure below.



## Special Notice

The following conditions will affect the veracity of detecting:



- ⊙ After installation finished, the driver should insure that all the function is normal, then using the system.
- ⊙ Flood, inductive dirt or damage to unit will affect the result of detecting.
- ⊙ Since the product merely contributes to ancillary warning, the company shall take no responsibilities for any accident.

## Trouble Shootings

### 1.No display after installation

- A. Check if the power cable connection is correct.
- B. Check if the car key is on ACC ON position, and enter reversing shift (parking light is on)
- C. Check all wires connections.

### 2. Has display but not entered reversing shift

Check if the brain unit power is connected with positive polarity of reversing light.

### 3.Reminding wrong sensors

- A. Check if the sensors cable connected correctly to the brain unit.
- B. Check if the sensor cable is broken

### 4.The position and display the location of obstacle's is inconsistent.

Check if the sensors A.B.C.D cables connected to A.B.C.D jacks of the brain unit respectively.

### 5. The display shows 0.5m or 0.6m (no obstacle behind the vehicle) when entering reversing shift.

- A. Check if the sensors installation height meet requirement.
- B. Check if the sensors are put up or down.
- C. Check if the sensors are tilted downwards.