SWPARK1

Reverse Parking System
Installation & User Manual

Box Includes:

1. Audio/LED Display
2. Control Unit
3. 4x Parking Sensors
4. Power & connecting cables
5. Hole saw drill bit
6. Manual

Specifications

Rated Voltage:	DC12V
Operating Range:	DC9V-18V
Rated Current:	20mA -200mA
Display Distance:	0.3m - 1.8m
Ultrasonic Frequency:	40KHZ
Working Temperature:	-30°C to +80°C

Alarm Mode

Model	Awareness	Distance	Sound	Digital Display	LED Indicator
LED Items	Safe Mode	130-180 cm	Beep.....Beep	1.3-1.8	Green
	Alarm Mode	60-130 cm	Beep..Beep	0.6-1.2	Yellow
	Danger Mode	0-60 cm	Beeeep	0.0, 0.3-0.5	Red

Important Information

Thank you for choosing a Streetwize Parking Sensor System.

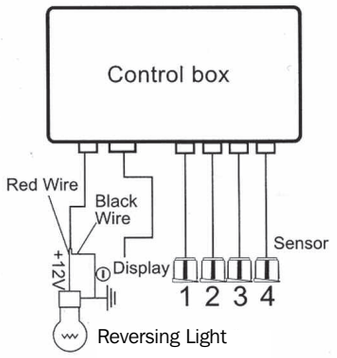
To insure the best performance of this system and to avoid any function failures, please kindly read this manual carefully and install it exactly as instructed. If in doubt please consult a qualified auto electrician.

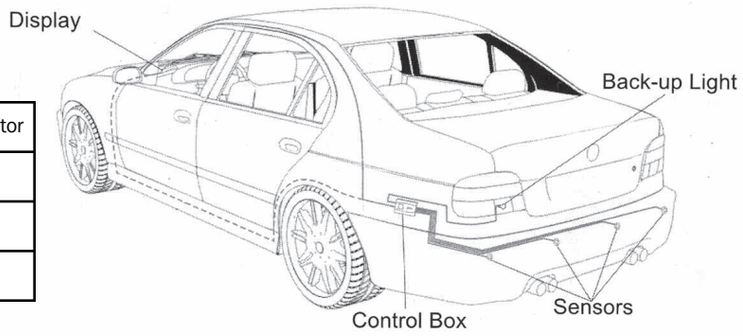
Please note that this system is designed to be a driver's aid and care should be taken in any reversing situation. **Streetwize accept no liability for damage or loss resulting from improper installation or use of this Parking Sensor System.**

Installation Instructions

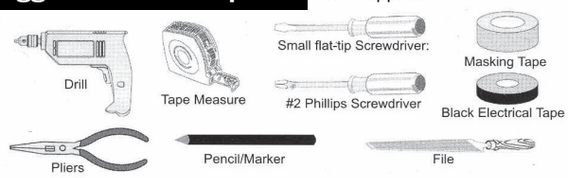
Note: Before installing the parking sensor system let the vehicle exhaust system cool down. This will make the installation safer and stop any heat damage to the reversing sensors.

The following illustration shows the general location of the components of the parking sensor system.

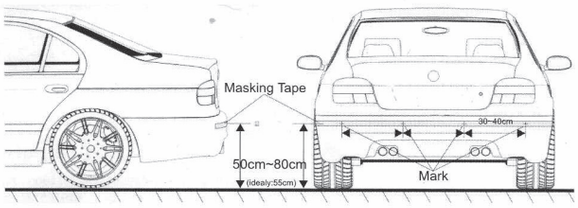




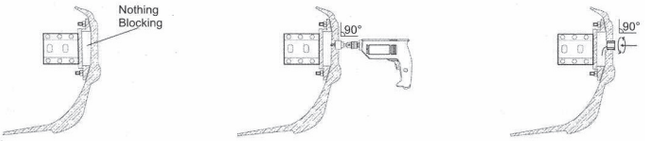
Suggested Tools Required Not Supplied



Sensor Installation



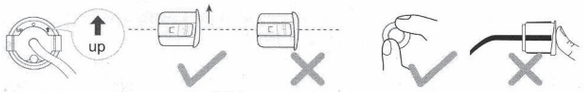
Using a tape measure find the correct position for each sensor as per diagram above. Use masking tape on the bumper, mark the positions for drilling using the included hole saw drill bit.



Make sure that there is nothing blocking the area behind the bumper, where the sensors go.

Drilling position must be perpendicular to the surface of the bumper.

As you insert the sensor, ensure it goes all the way in and fits flush against the bumper, leaving no gap.



Install the sensors vertically; "UP" is printed on the sensor to ensure correct installation.

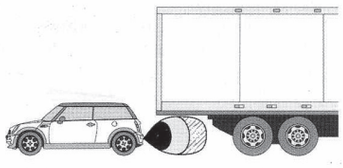
Limitations

The sensors may not work if an object does not reflect the ultrasonic waves or it has an unusual shape e.g. poles/bollards, cardboard cartons, motorcycle/bicycle tyres, small or slender trees. The sensor may not detect another vehicle bumper if it is too high, (see example below.

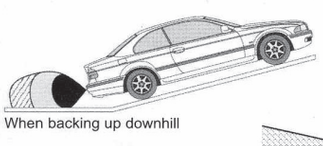
Also note: This system has different detection distances depending on the type of object. For solid objects such as walls, the maximum detection distance is 1.8m. For objects such as a human body the maximum detection distance is 1.0m and objects such as poles/bollards the maximum detection distance is 40cm.

In some special cases the LED display may not show the correct distance, due to the sensor position on the vehicle bumper, such as objects with unusual shapes, reflective objects and so on. Some examples of these instances are given below.

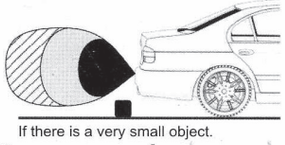
If the vehicle is equipped with high-power radio antenna.



If another vehicle bumper is too high



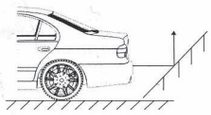
When backing up downhill



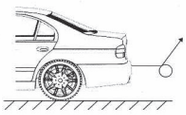
If there is a very small object.

If there is a wire fence.

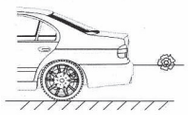
Backing up in heavy rain or snow.



If is smooth slope

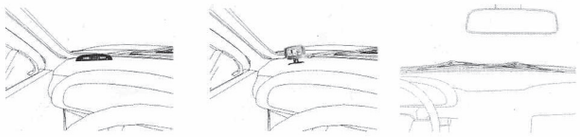


If is smooth round object



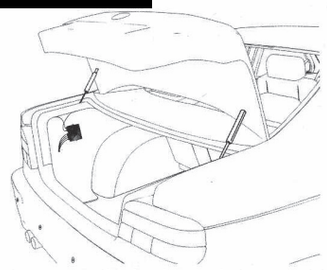
Objects absorbing wave,e.g.Cotton

Display Installation



Select an area to mount display on the vehicle dash board, ensure that it is easy for the driver to see. Clean surface with alcohol and use the double sided tape to mount.
WARNING: DO NOT place the LED display holder in a position that obscures the view of the driver.

Control Box Installation



It may be necessary to remove the back panels to mount the control box in a safe place, away from rain, heat or humidity.

After Installation Test

Use the following to test and verify the operation of the reverse parking system:

Prior to testing, apply the parking brake, turn ignition key to on (however, do not start the engine), place foot on the brakes and put the vehicle into reverse, ensure that the engine is not running, while proceeding with the following tests.

Test the system operation with a large piece of plywood or similar 60 x 30 x 1 cm behind the vehicle. Start with the wood more than 1.8m away from the vehicle. Then move the plywood closer to the vehicle and ensure that the buzzer, LED, and distance indicators display and sound correctly.

Trouble Shooting

No buzzer or display at power up?
1. Is power wire connected to control unit correctly?
2. Verify(+)12V at control unit when vehicle is in reverse.
3. Verify the ground connection.
4. Have you connected to the correct reversing indicator wire?
5. Do you have a minimum of (+)12V and ground at the display?

False warning tone or false LED flashing?
1. Is the sensor mounted too low or pointing to the ground?

Sensors do not detect any objects?
1. Is the vehicle's exhaust interfering?
   Correct or allow it to clear before proceeding with testing.
2. Are sensors properly plugged into the correct sockets?

PLEASE NOTE:

WARRANTY: To validate the warranty on this product, please go to our web site and enter your details on the warranty screen. www.streetwizeaccessories.com.

RoHS COMPLIANT

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