Parking sensor

CISBO Radar System User’s Manual
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TO USER

Thank you for choosing and using our Parking Sensor products. We are going to provide you with the best products and the best services. In order to insure the best performance and avoid any false alarm or function failure, we strongly suggest that you read this user's manual carefully before installation and use.

Parking Sensor System is a high technology product. It adopts ultrasonic wave sensors to measure the distance between your car and the obstacles, and remind the driver of safe distance accurately when reversing a car.

We reserve all rights for our Parking Sensor products, including the designs and the software. Any unauthorized copy or translation is prohibited. And the content of the user's manual will be updated according to the update of the products, if it is subjected to change, without notification. At last, the final explanation rights of this user's manual is reserved by us.
PART

1. Display: Back vision display, distance numeric display, buzzer alarm circuit, etc, normally set inside the driving room.
2. Control unit: MCU control circuit, normally set inside the trunk, nearby the backup lights.
3. Sensor: Ultrasonic sensor "electronic eye", is the transmission center for detecting signals and normally set at the rear or front of bumper.
4. Camera: Input the video signal, normally be set in the rear bumper.
5. Mobile phone hands free system: Be set inside the rear view mirror, connected with the mobile, bring convenience and safety during circumstance.

TECH DATA

1. Rated voltage: DC12V (24v available)
2. Power: 3.6W
3. Working temperature: -20°C---70°C
4. Detecting distance: 0.3-2.0M
5. Detecting angle: H>60°, V>60°
6. Radio frequency: 315MHz/433MHz
7. Camera angle: 92° or 120°
**Display**

- LED Display
- LCD Display
- LED Display with Handfree

**Alarm Sound**

<table>
<thead>
<tr>
<th>Stage</th>
<th>Distance</th>
<th>Awareness</th>
<th>Alarm</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>200-160cm</td>
<td>safe mode</td>
<td>NO</td>
<td>2.0-1.6</td>
</tr>
<tr>
<td>2</td>
<td>150-100cm</td>
<td>safe mode</td>
<td>Bi----Bi----Bi</td>
<td>1.5-1.0</td>
</tr>
<tr>
<td>3</td>
<td>90-50cm</td>
<td>alarm mode</td>
<td>Bi--Bi--Bi</td>
<td>0.9-0.5</td>
</tr>
<tr>
<td>4</td>
<td>40-30cm</td>
<td>alarm mode</td>
<td>Bi-Bi-Bi</td>
<td>0.4-0.3</td>
</tr>
<tr>
<td>5</td>
<td>0-20cm</td>
<td>danger mode</td>
<td>Bi------------</td>
<td>0.0</td>
</tr>
</tbody>
</table>

CISBO RADER SYSTEM USER’S MANUAL
1. This diagram only for 2 and 4 back sensors.
2. The system begin to work while the car on reversing time.
3. The display such as LED display, LCD display, only Buzzer, rear view mirror, detail see Page 3.
4. The sensors will be on flashing while the car on brake time if the system be Matched the illuminant sensor.
5. Power line guide: Reversing light: Power on while the car on reversing time. Stop light: power on while brake.
1. This diagram only for 6 and 8 sensors (Front and back).
2. The front sensors begin to work while the car on brake time.
3. The back sensors begin work while the car on Reversing time.
4. The display such as LED display, LCD display, only Buzzer, rear view mirror, detail see Page 3.
5. Power line guide:
   Reversing light: Power on while the car on reversing time.
   Stop light: power on while brake.
1. This diagram only for wireless parking sensor.
2. The back sensors begin to work while the car on reversing time.
3. The sensors will be on flashing while the car on brake time if the system be matched the illuminant Sensor.
4. The display such as LED display, LCD display, only Buzzer, rear view mirror, detail see Page 3.
5. Power line guide:
   Reversing light: Power on while the car on reversing time.
   Stop light: power on while brake.
1. This diagram only for the parking sensor with camera.
2. When the car on reversing, the back sensors and camera are working.
3. The imagine will display on the external TFT screen, while the distance will display as well.
4. The display is used for car DVD/VCD.
5. Power line guide: Reversing light: Power on while the car on reversing time. Stop light: power on while brake.
1. This diagram only for 4 in 1 or 6 in 1 parking sensor
2. The back sensors begin to work while the car on reversing time.
3. The sensors will be on flashing while the car on brake time if the system be matched the illuminant sensor.
4. The function see detail Page 15.
5. The display clip on the original rearview mirror.
6. Power line guide: Reversing light: Power on while the car on reversing Time. Stop light: power on while brake.
POSITION GUIDE:
1. 4 back sensors: Back bumper.
2. Camera: middle of the back bumper.
5. TFT LCD screen: amount the sunshade board or stand on the front board.
6. Hands free rear view mirror: Clip on the original rearview mirror.
7. Display: Stand on the front board.
8. 4 front sensors: front bumper.
DISPLAY INSTALLATION DIAGRAM

- Clean the installation position
- Tear the 3M pastes of display
- Install the display
- The cord should be invisible

MAIN BOX INSTALLATION DIAGRAM

- Locate the main box in the rear boot at a place safe away from rain, heat or humidity
- Lay the wires snugly to avoid ugly looking
SENSORS INSTALLATION DIAGRAM

- 4 sensors
- Bumper
- Driller
- Side vision

Stick on
Insert in

CISBO RADER SYSTEM USER’S MANUAL
NOTICE FOR USER

1. Following situation will weaken the detection effect

- Smooth slope
- Smooth round object
- Cotton kind barrier
- Rainstorm

2. Simple service

<table>
<thead>
<tr>
<th>Trouble</th>
<th>Trouble from</th>
<th>Resolvent</th>
</tr>
</thead>
</table>
| Parking sensor doesn’t work | 1. Power line connected wrong  
2. Jack connected wrong | 1. Connected the red line to +12V  
2. Check each jack put the right socket |
| Power light on the light state, it still doesn’t work | Sensor jack connected wrong  
Sensor can’t work | Re-connect sensor jack |
| Display the same number again and again | Sensor detect car body or ground | Adjust the sensor position and angle |
| Display the wrong number | 1. Jack connected wrong  
2. Sensor line may be damaged | 1. Power off, then refresh all jack  
2. Check the sensor line, be sure it doesn’t be closed with vent-pipe or silencer |
1. LED display: It is for model such as: SB303(F), SB305, SB306(F), SB323(F).
2. Digital LED showing obstacle distance.
3. Alarm by three step Bi-Bi sound.
4. LED display with two side indicate.
5. Crescent shape digital display screen.
6. 2, 4, 6, 8 sensors are available.
7. Insert in, Stick on, illuminate sensors are available.
8. If no need the LED display, there are Buzzer only can be replaced.

![Diagram of LED display functions]

- **1. Indicate left:** When the back left sensor detect the obstacle, it will glitter.
- **2. Indicate right:** When the back right sensor detect the obstacle, it will glitter.
- **3. Distance:** Display the latest the distance for all sensors.
FUNCTIONS FOR LCD DISPLAY SERIES

1. LCD display: It is for model such as: SB308(F), SB309(F)
2. Digital LCD showing obstacle distance
3. Alarm by three step Bi-Bi sound
4. Colourized LCD screen or blue colour background
5. The simulative vehicle is displayed in the colourized screen
6. 2, 4, 6, 8 sensors are available.
7. Insert in, Stick on, illuminate sensors are available.

1. Indicate back right- When the back right sensor detect the obstacle, it will glitter.
2. Indicate back left- When the back left sensor detect the obstacle, it will glitter.
3. Simulate car- When reversing the car, it will show on the screen.
4. Indicate front left- When the front left sensor detect the obstacle, it will glitter.
5. Indicate front right- When the front right sensor detect the obstacle, it will glitter.
6. Bracket- You can turn over the screen.
7. Simulate bar- When the obstacle is closer, the bar will more and more.
8. Voice switch- Turn on/off the voice.
9. Distance- Display the latest the distance for all sensors.
10. Background- Blue background.
FUNCTIONS FOR REARVIEW DISPLAY SERIES

1. LED display: It is for model such as: SB808(F), SB818(F)
2. Digital LED showing obstacle distance
3. Alarm by three step Bi-Bi sound
4. Rear view mirror with Guarding against dizzy light and fog function
5. Hands free car kit
6. With Record, play, mute function
7. 2, 4, 6, 8 sensors are available.
8. Insert in、Stick on、illuminate sensors are available.

1. Mic - Used to receive voice from user.
2. Volume Control - Used to control the speaker volume level.
3. ON/OFF - power On and Off. When ON/OFF LED lit, the system is work.
4. Standby - For somemobile phone system, you can press Standby button to receive your call (for CDMA system only).
5. Earphone Output jack - For private listening of the call.
6. Record Button - Used to record message.
7. Play Button - Used to play back all recorded message.
8. Mute Button - Used to turn off the microphone of MOBILE MIRROR.
11. Speaker - the phone voice will be directed through this Speaker.
12. Indicate right - When the back right sensor detects the obstacle, it will light.
13. Distance - Display the latest distance for all sensors.
14. Indicate left - When the back left sensor detects the obstacle, it will light.
FUNCTIONS FOR VIDEO DISPLAY SERIES

1. TFT LCD display: It is for model: SB838(F), SB868(F)
2. TFT LCD displays the practical image behind your car when reversing
3. Two series numbers display the distances
4. Alarm by three step Bi-Bi sound
5. The simulative vehicle is displayed in the colourized screen
6. 2, 4 sensors are available.
7. With camera.
8. Insert in, Stick on, illuminate sensors are available.

1. Image - Display the rear image by Camera
2. Left distance - display the obstacle distance for back left 2 sensors
3. Simulate Bar - Indicate the back-left sensor working state, When the obstacle is closer, the bar will more and more.
4. Simulate Bar - Indicate the back-left-middle sensor working state, When the obstacle is closer, the bar will more and more.
5. Simulate Bar - Indicate the back-right-middle sensor working state, When the obstacle is closer, the bar will more and more.
6. Simulate Bar - Indicate the back-right sensor working state, When the obstacle is closer, the bar will more and more.
7. Right distance - display the obstacle distance for back right 2 sensors
GUARANTEE FORM

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Stamp/signature of dealer:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of purchase:</td>
<td></td>
</tr>
<tr>
<td>Customer’s name</td>
<td></td>
</tr>
<tr>
<td>Telephone</td>
<td></td>
</tr>
<tr>
<td>Car registration Number</td>
<td></td>
</tr>
</tbody>
</table>

**Note:**

1. Guarantee time: 12 months.
2. The guarantee will be effective with the stamp/signature of the dealer.
3. Please keep the guarantee form well to ensure 12 months guarantee.