



Parking sensor



CISBO RADER SYSTEM USER'S MANUAL

Index

TO USER -----	1
PART AND TECH DATA-----	2
DISPLAY AND ALARM SOUND-----	3
INSTALLATION FOR 2&4 SENSORS-----	4
INSTALLATION FOR 6&8 SENSORS-----	5
INSTALLATION FOR WIRELESS TYPE-----	6
INSTALLATION FOR VIDEO TYPE-----	7
INSTALLATION FOR REARVIEW MIRROR TYPE-----	8
POSITION FOR EACH PART-----	9
DISPLAY & MAIN BOX INSTALLATION DIAGRAM-----	10
SENSORS INSTALLATION DIAGRAM-----	11
NOTICE FOR USER-----	12
FUNCTIONS FOR LED DISPLAY SERIES-----	13
FUNCTIONS FOR LCD DISPLAY SERIES-----	14
FUNCTIONS FOR REARVIEW MIRROR SERIES-----	15
FUNCTIONS FOR VIDEO DISPLAY SERIES-----	16
GUARANTEE FORM -----	17

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



LED DISPLAY



LED DISPLAY WITH HANDFREE



LCD DISPLAY



LCD DISPLAY

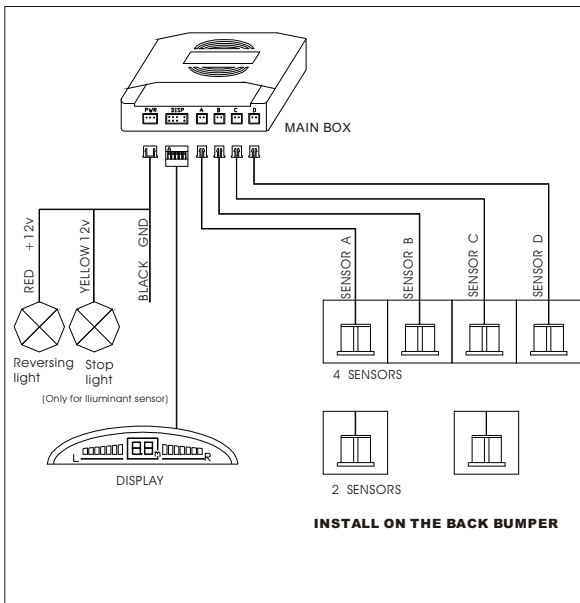


TFT LCD MONITOR

ALARM SOUND

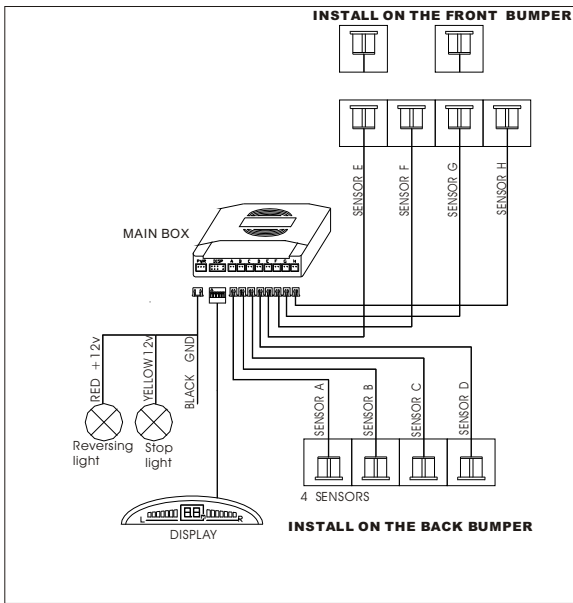
Stage	Distance	Awareness	Alarm	Display
1	200-160cm	safe mode	NO	2.0-1.6
2	150-100cm	safe mode	Bi----Bi----Bi	1.5-1.0
3	90-50cm	alarm mode	Bi--Bi--Bi	0.9-0.5
4	40-30cm	alarm mode	Bi-Bi-Bi	0.4-0.3
5	0-20cm	danger mode	Bi-----	0.0

INSTALLATION FOR 2 & 4 SENSORS



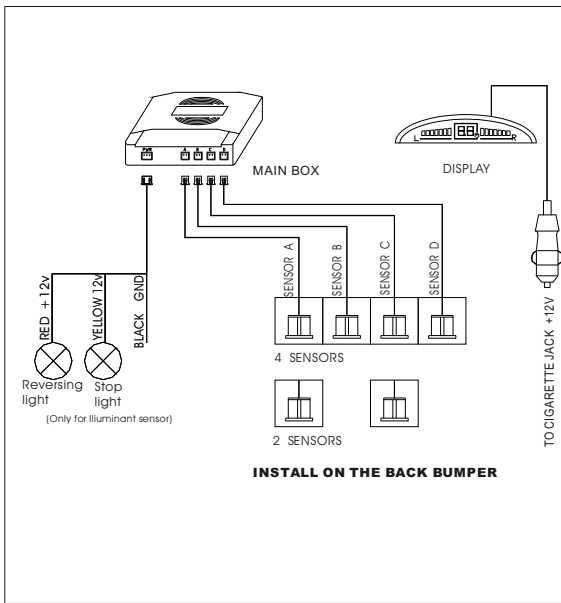
1. This diagram only for 2 and 4 back sensors.
2. The system begin to work while the car on reversing time.
3. The display such as LED display, LCD display, only Buzzer, rear view mirror, detail see Page 3.
4. The sensors will be on flashing while the car on brake time if the system be Matched the illuminant sensor.
5. Power line guide:
Reversing light: Power on while the car on reversing time.
Stop light: power on while brake.

INSTALLATION FOR 6 & 8 SENSORS



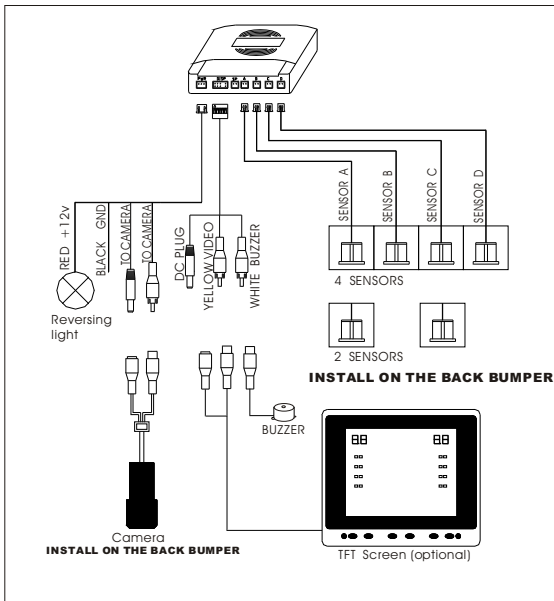
1. This diagram only for 6 and 8 sensors(Front and back).
2. The front sensors begin to work while the car on brake Time.
3. The back sensors begin work while the car on Reversing time.
4. The display such as LED display, LCD display, only Buzzer, rear view mirror, detail see Page3.
5. Power line guide:
Reversing light: Power on while the car on reversing time.
Stop light: power on while brake.

INSTALLATION FOR WIRELESS TYPE



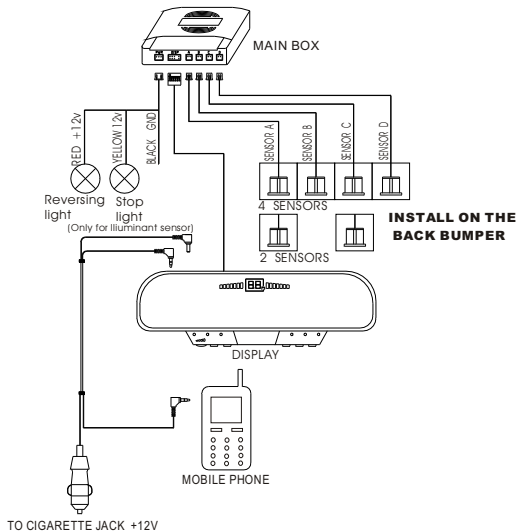
1. This diagram only for wireless parking sensor.
2. The back sensors begin to work while the car on reversing time.
3. the sensors will be on flashing while the car on brake time if the system be matched the illuminant Sensor.
4. The display such as LED display, LCD display, only Buzzer, rear view mirror, detail see Page 3.
5. Power line guide:
Reversing light: Power on while the car on reversing time.
Stop light: power on while brake.

INSTALLATION FOR VIDEO TYPE



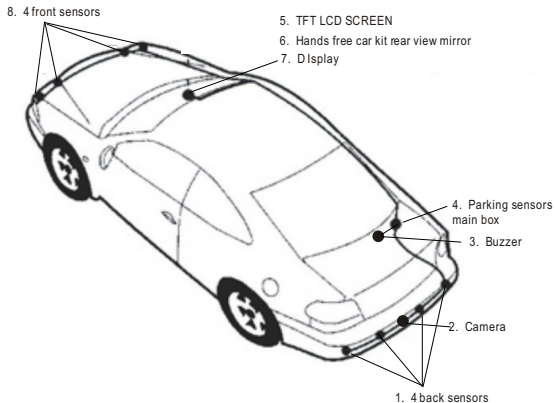
1. This diagram only for the parking sensor with camera.
2. When the car on reversing , the back sensors and camera are working.
3. The imagine will display on the external TFT screen, while the distance will display as well.
4. The display is used for car DVD/VCD.
5. Power line guide:
Reversing light: Power on while the car on reversing time.
Stop light: power on while brake.

INSTALLATION FOR REARVIEW MIRROR TYPE



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 FOR EACH PART



POSITION GUIDE:

1. 4 back sensors: Back bumper.
2. Camera: middle of the back bumper.
3. buzzer: back side of back seat.
4. Main box: Back chest.
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 sensor: front bumper.

DISPLAY INSTALLATION DIAGRAM



Clean the installation position



Tear the 3M adhesive from the display

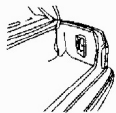


Install the display

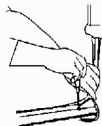


The cord should be invisible

MAIN BOX INSTALLATION DIAGRAM

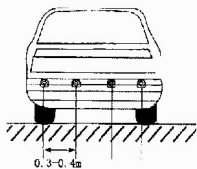


Locate the main box in the rear boot at a place safe away from rain, heat or humidity

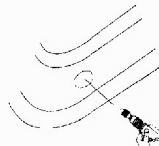
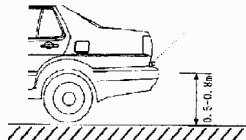


Lay the wires snugly to avoid ugly outlook

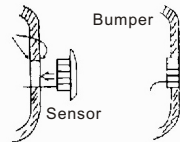
SENSORS INSTALLATION DIAGRAM



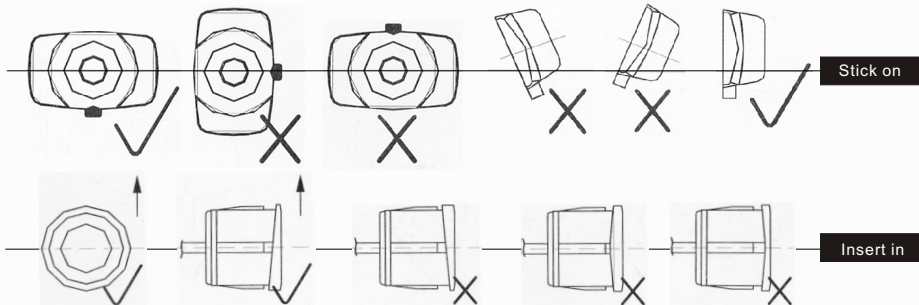
4 sensors



Bumper Driller

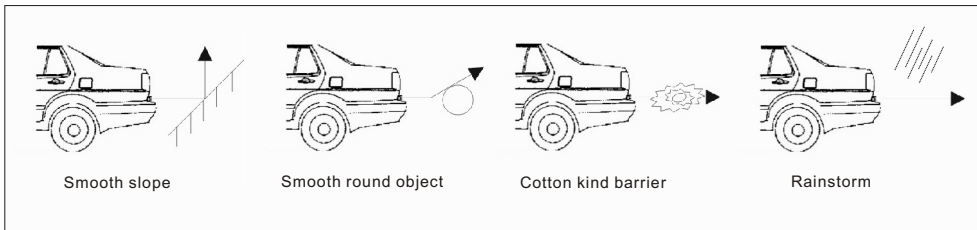


Side vision



NOTICE FOR USER

1.Follwing situation will weaken the detectou effect

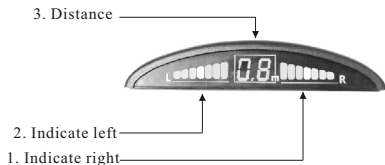


2.simple service

Trouble	Trouble from	Resolvent
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 samenumber again and again	Sensor detect carbody or ground	Adjust the sensor position and angle
Display the wrongnumber	1. Jack connected wrong 2.Sensor line maybe damaged	1.Power off,then refreshall jack 2.Check the sensorline, be sure it doesn't be closed with vent-pipe or silencer

FUNCTIONS FOR LED DISPLAY SERIES

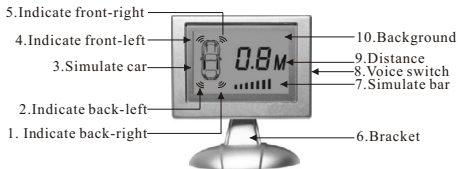
1. LED display :It is for model such as: SB303(F) ,SB305,SB306(F).SB323(F)
2. Digital LED showing obstacle distance
3. Alarm by three step Bi-Bi sound
4. LED display with two side indicate.
5. Crescent shape digital display screen
6. 2、4、6、8 sensors are available.
7. Insert in、 Stick on、 illuminate sensors are available.
8. If no need the LED display, there are Buzzer only can be replaced



1. Indicate left-- When the back left sensor detects the obstacle, it will glitter.
2. Indicate right- When the back right sensor detects the obstacle, it will glitter.
3. Distance- Display the latest distance for all sensors.

FUNCTIONS FOR LCD DISPLAY SERIES

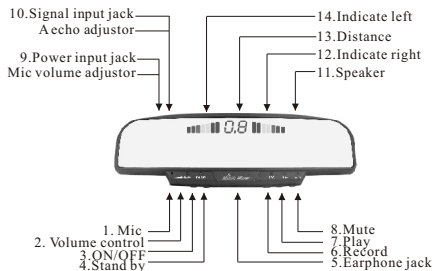
1. LCD display :It is for model such as: SB308(F) ,SB309(F)
2. Digital LCD showing obstacle distance
3. Alarm by three step Bi-Bi sound
4. Colourized LCD screen or blue colour background
5. The simulative vehicle is displayed in the colourized screen
6. 2、4、 6、 8 sensors are available.
7. Insert in、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

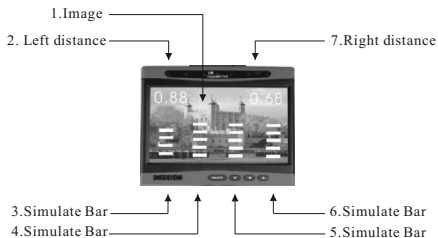
1. LED display :It is for model such as: SB808(F) ,SB818(F)
2. Digital LED showing obstacle distance
3. Alarm by three step Bi-Bi sound
4. Rear view mirror with Guarding against dizzy light and fog function
5. Hans free car kit
6. With Record, play, mute function
7. 2、4、6、8 sensors are available.
8. 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 some mobile 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.
9. Power Input Jack - Accepts input plug from car power cord.
10. Hand Free Input Jack- Accepts input plug from hand free cord .
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 backleft 2 sensors
3. simulate Bar -Indicate theback-left sensor working state, When the obstacle is closer, the bar will more and more.
4. simulate Bar -Indicate theback-left-middle sensor working state, When the obstacle is closer, the bar will more and more.
5. simulate Bar -Indicate theback-right-middle sensor working state, When the obstacle is closer, the bar will more and more.
6. simulate Bar -Indicate theback-right sensor working state, When the obstacle is closer, the bar will more and more.
7. Right distance- display the obstacle distance for backright 2 sensors

GUARANTEE FORM

Model Number		Stamp/signature of dealer
Date of purchase:		
Customer's name		
Telephone		
Car registration Number		

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.

