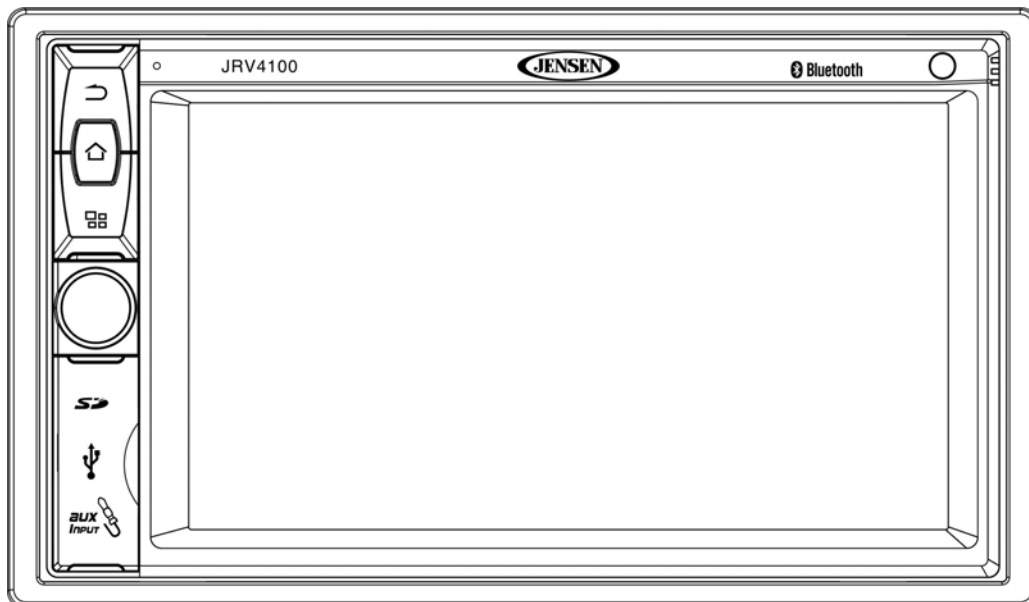




DESIGNED TO MOVE [YOU]®

# JRV4100

## Installation and Owner's Manual






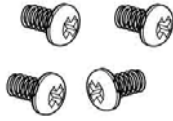
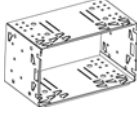



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## Accessories

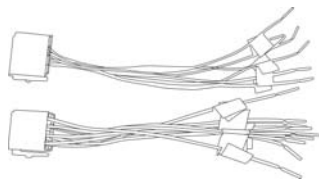
Package contains the following accessories for installation and operation of the unit.

- Washer, Spring Washer, M5 Nut	1 each	
- Metal Mounting Strap	1	
- Hex Bolt	1	
- Screw Max. 8mm (7/32 x max. 5/16 in)	4	
- Metal Mounting Sleeve	1	
- Release Key	2	
- Tapping Screw	1	
- Rubber Cushion	1	

Remote Control



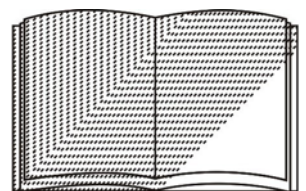
Power Cable



Trim Ring



User Manual



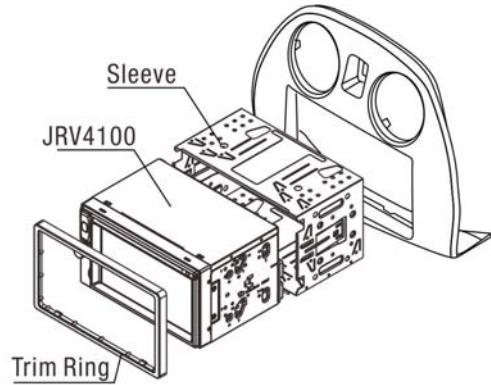
# Unit Installation

## Note

Before starting installation of the unit, make sure the wiring is connected properly.  
Use only the parts provided with the unit to ensure proper installation.

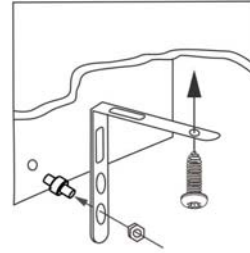
## INSTALLATION

- First fixed the sleeve into the dashboard hole.  
Insert the headunit(JRV4100) into sleeve and lock it.  
Install the trim ring



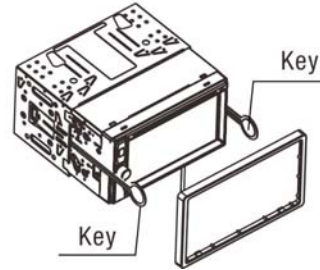
## Mounting

A mounting strap is often included with new stereos. For most installations, it is not necessary part of the installation process. However, it can be useful to help support the stereo in your dash; it also helps reduce vibration. One end of mounting strap attaches (with a screw) to the rear of the stereo. The other end attaches to an existing bolt or screw behind the dash. Just bend the shape as necessary to enable mounting.



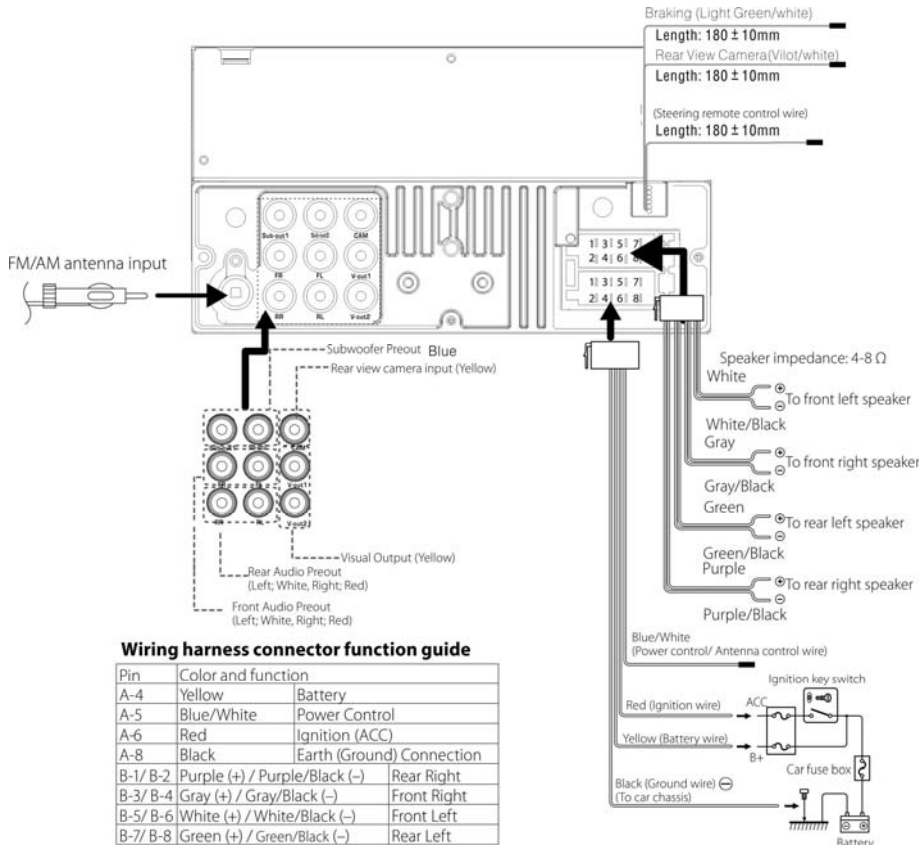
## UN-INSTALLATION

- Detach the trim ring.  
Use the key to unlock the unit and pull out the unit from the sleeve.



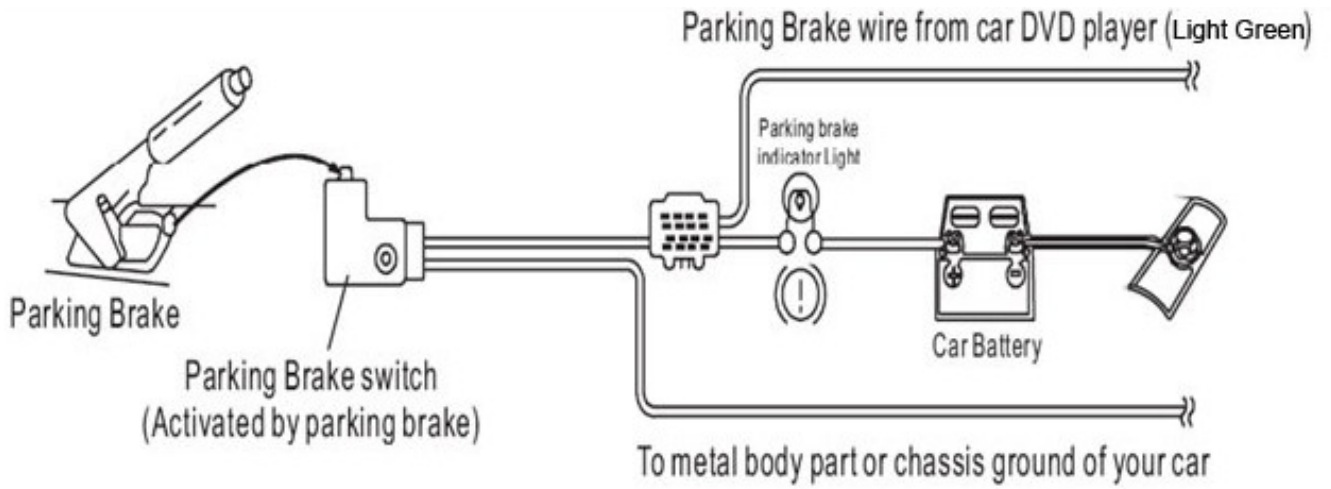
# Wire Connection

The Description of the Input/Output Interface of the Rear Chassis.

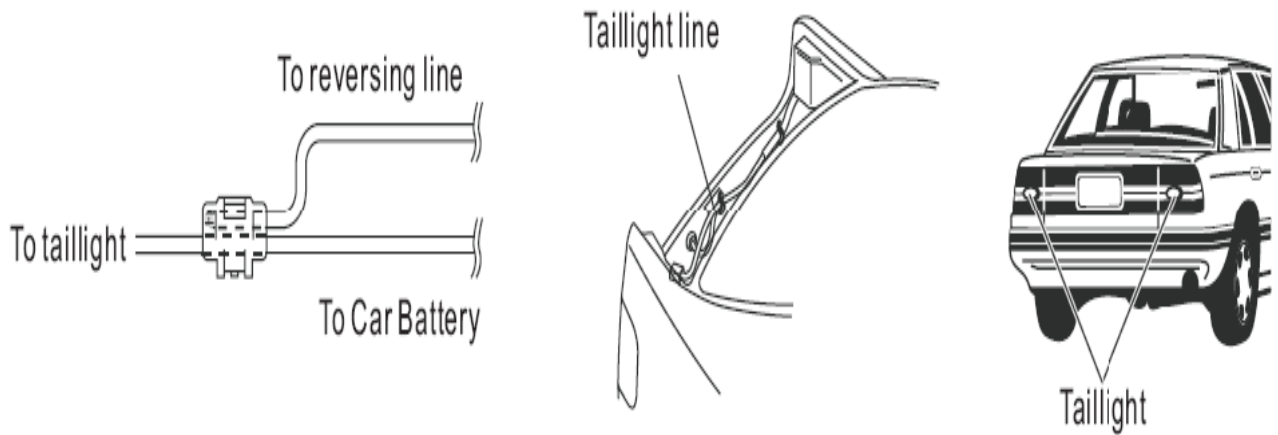


# Parking Brake Connection

In order to view videos, the parking brake wire must be connected, and the vehicle is parked



Connecting the reversing line to taillight on the car



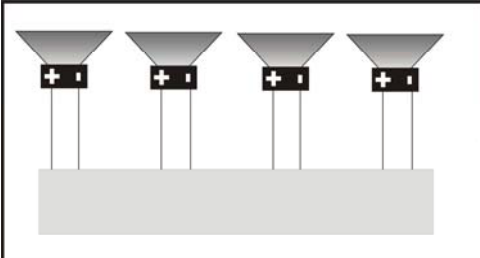
# Speaker Connection

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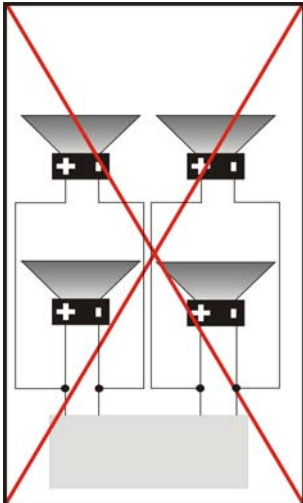
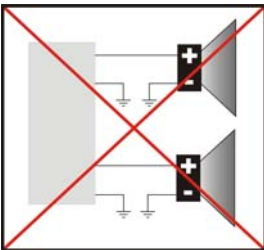
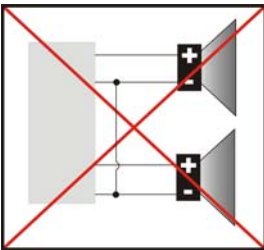
Connect the speakers according to the following diagram, incorrect connections may damage the unit or your speakers. Do not chassis ground the speakers. Always observe correct polarity.

## Correct connection

Left front - Right front | Left rear - Right rear

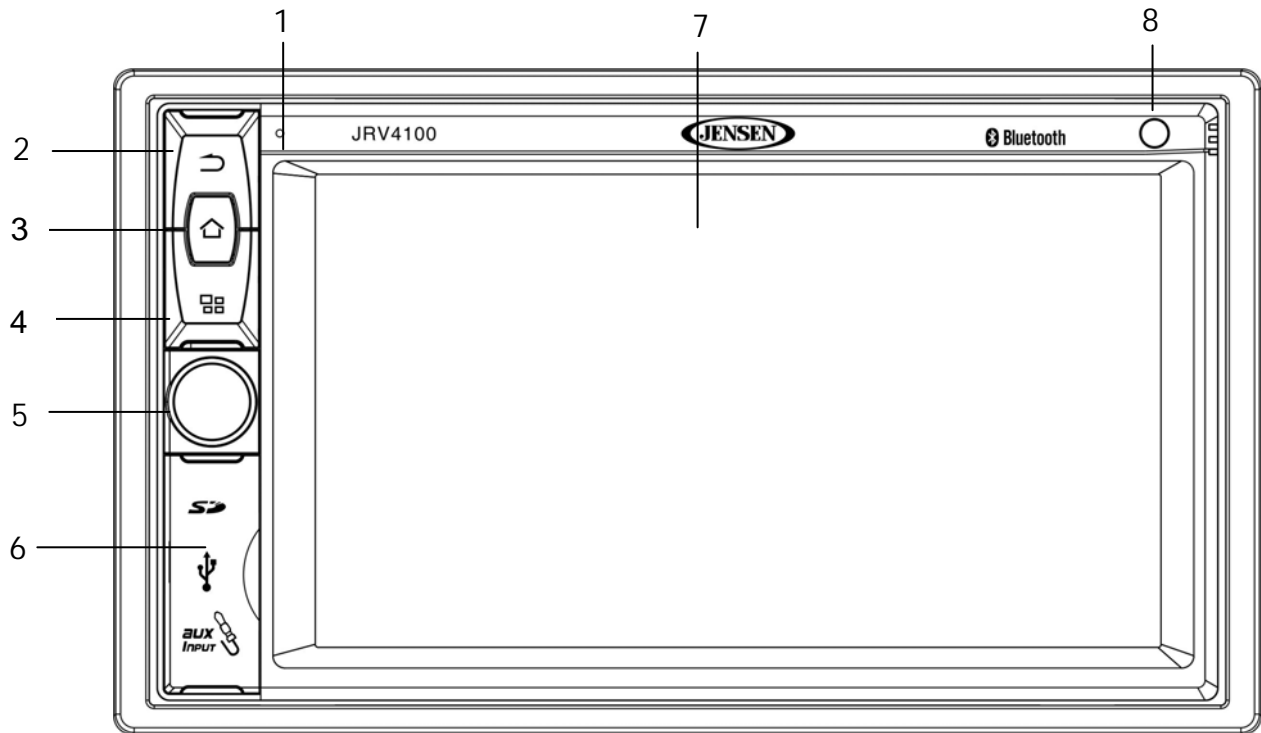


## Incorrect connections



## Button Description

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**1. MIC**

**2. RETURN Button**

Press return button to go back to previous menu.

**3. HOME BUTTON**

Press home button to return back to main menu.

**4. SOURCE BUTTON**

Press source button to change mode.

**5. POWER / MUTE Button /VOL**

Press it to turn on the unit. Press and hold for 2 seconds to turn the unit off. Press the button briefly to mute. Please notes that the volume will be muted on all audio output connectors. Rotate VOL knob to increase or reduce the volume.

**6. USB/SD/AUX**

USB for Multimedia playback files only. insert a USB into this slot and the unit will automatically start reading and playback. (Supported Music File Format: MP3 and WMA files)

SD card slot, for Multimedia playback files only. Insert a SD CARD into this slot and the unit will automatically start reading and playback. (Supported Music File Format: MP3 and WMA files)

Put the Aux plug into the Aux-In jack which is marked on front panel.

**7. Display**

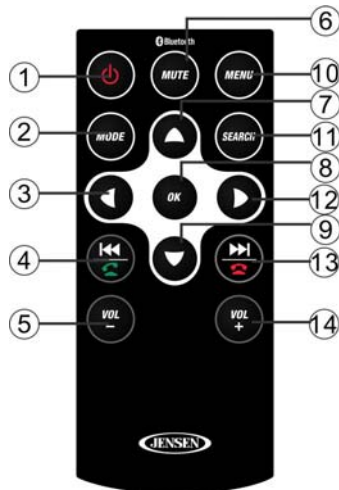
Displays information when operating the unit.

**8. Remote Sensor**

Remote control signal receiving window. Max distance is 20 ft (6m), 45 deg.

# Remote Control

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- 1: POWER
- 2: MODE
- 3: LEFT
- 4: PREVIOUS/Accept
- 5: VOLUMN DOWN
- 6: MUTE/BLUETOOTH
- 7: UP
- 8: OK
- 9: DOWN
- 10: MENU
- 11: SERARCH
- 12: RIGHT
- 13: NEXT/REJECT
- 14: VOLUMN UP

## 1. POWER button

Power on or power off.

## 2. MODE button

Press it to select the mode: Radio, USB (if there is a USB device in the unit), SD (if there is a SD/MMC card in the unit), Bluetooth, Aux-In.

## 3. LEFT button

Press it to move the cursor left.

## 4. ⏮ / ACCEPT

In USB / SD mode, press to skip to the previous track.

In Radio mode, press to seek to previous station.

In Bluetooth mode, press to make a call after inputted a phone number or accept an incoming call.

## 5. VOLUME DOWN button

Press to decrease volume level.

## 6. Mute button/Bluetooth button

Short press to mute the volume output, press again to resume volume.

Long press this button to enter into Bluetooth mode (Handsfree).

## 7. UP button

Press it to move the cursor up.

## 8: ENTER

Press it to confirm your selection.

## 9. DOWN button

Press it to move the cursor down.



# Remote Control

---

## 10. MENU

Press it to show main menu.

## 11. SEARCH button

Press to auto store AM/FM stations.

## 12. RIGHT button

Press it to move cursor right.

## 13. NEXT/REJECT button

In USB / SD mode,, press ►► button to skip to the next track

In Radio mode, press to seek to next station.

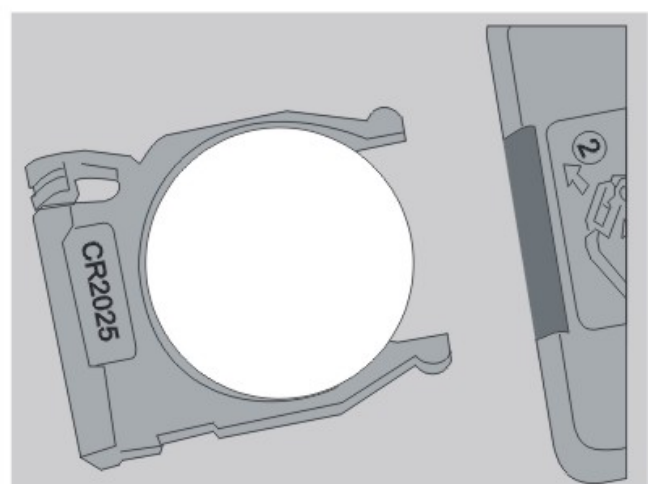
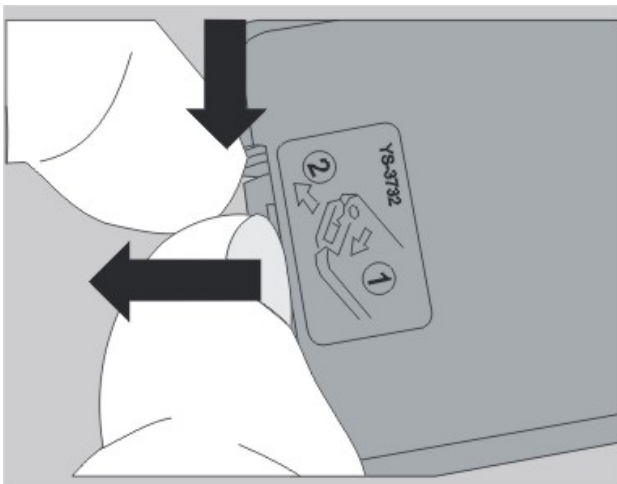
In Bluetooth mode, press to end a call or decline an incoming call.

## 14. VOLUME UP button

Press to increase volume level.

### Note:

- The distance may vary according to the brightness of ambient light.
- If the remote is not used for an extended period of time, remove the battery to prevent possible damage from battery leakage or corrosion.
- Do not place any objects between the remote control unit and the sensor on the unit.
- Do not drop the remote control onto the floor; it may damage it beyond repair.
- Do not use the remote control unit while simultaneously operating the remote control unit of any other equipment; they may interfere resulting in improper operation.
- The battery normally lasts for about one year depending how often the remote control is used. If the remote control unit isn't working even when it is operated near the unit, replace the battery with a new battery of the same make and use only a lithium cell battery type: CR2025 (3V).
- Dispose empty batteries in accordance with your local governmental regulations.
- Do not short-circuit, disassemble, heat or dispose of flammable battery.
- Keep the battery out of reach of children, should the battery be swallowed, immediately seek medical attention.



## Main Menu

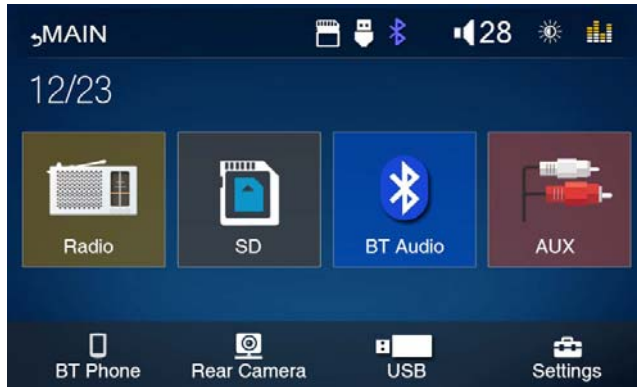
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The best way to discover the program is to explore each screen in detail, and to find out how to move from one to another. Read this chapter for a guided tour.

Unit starts by displaying the main menu.

This is the root of the screen hierarchy, and you can simply access all features by tapping on the touch screen buttons.








Tap the icons to enter a desired mode.



## Radio Operation

To start radio, tap radio button on main menu screen.










-  Touch it to select station backward automatically, touch and hold this icon to select station backward manually.
-  Touch it to select station forward automatically, touch and hold this icon to select station forward manually.
-  Touch it to select FM1—>FM2—>FM3.
-  Touch it to select AM1—>AM2.
-  Touch this button can turn on or turn off Local function.
-  Touch this button to select mono sound reception.
-  Touch this button can scan the stations from 1-18, Long Touch it to save the stations with good reception automatically and scan each station for about 5 seconds.

## USB/SD Operation




When a file of USB or SD card is played (music, video, photo), the screen will show following interface:

### Music Controls

-  Press to skip to the previous track.
-  Play/pause button.
-  Press to skip to the next track.
-  Press to play track randomly
-  Press to repeat (REP 1 => REP ALL)
-  Press to view images
-  Press to play videos



### Video / Picture Controls

-  Rotate the image clockwise by 90 degrees
-  Zoom image in or out or change video aspect ratio
-  Press to show all file

## Settings Operation

### Setting Control

Your device has default system setting, you can customize the settings to suit your personal needs. Once you change settings, your new settings will remain until you change it again. To enter the setting screen, tap it on the main menu.

### General Control

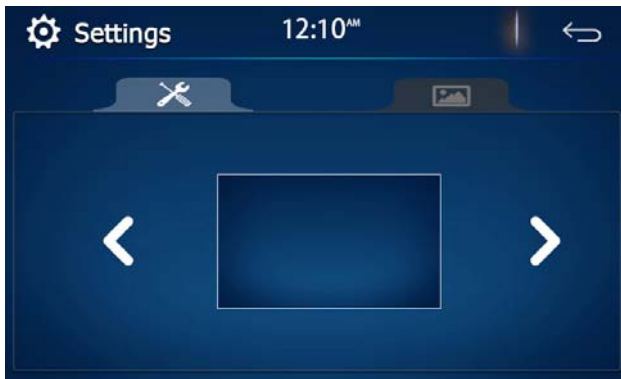


Clock:	setting the clock
Radio Area:	select radio area (Europe, USA, South America, Russian, Asia, Japanese)
Version:	firmware version
Key Beep:	set beep sound on / off
Loudness:	select on / off
Standby Display:	set standby display on or off
OSD Language:	select English / Spanish
Subwoofer:	set subwoofer on / off

## Settings Operation


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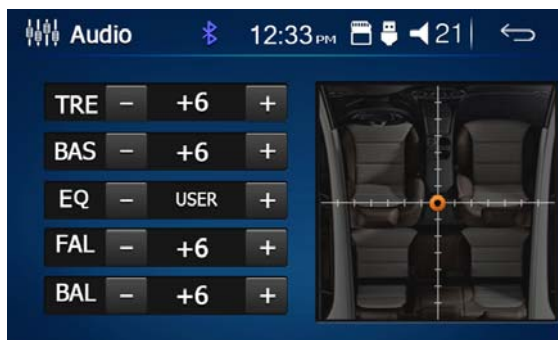
Tap Wallpaper button to setup wallpaper



**SWC:** When the green cable for steering wheel control connected to the steering wheel, we can use the steering wheel to control unit

### Sound Control

Tap  button to Sound Control page



EQ : select User—Classic—Rock—Pop—Jazz—Flat

### Subwoofer

Connect the subwoofer to the unit using sub output (see electrical diagram).

### Parking

When the car is stopped and the parking brake is on, the screen can display the video/image, otherwise the screen can't display the video/image.

### Rear View Camera

This unit is equipped with Rear View Camera input. The camera is used to observe the situation behind the vehicle when you are backing the car.

Please connect your Rear View Camera with the back car video input. (Refer to page 4)

Rear View Camera picture will be enabled when you are backing the car.

# Bluetooth Operation

**Warning:** Driving and having a telephone conversation at the same time is dangerous, please park your car before having a telephone conversation. The supplier waves any and all liability when this warning is not followed.

## Bluetooth section

To enter bluetooth mode, you can tap bluetooth icon on main menu or long press the mute/bluetooth button on the remote control or press mode button on remote.


## Pairing Mode


For the 1st time using bluetooth, you need to pair the mobile phone.


When a phone has not been paired with the unit, the BT icon and pairing mark will blink continually on the panel.


When the unit has connected with the phone, the BT icon will turn on and the mobile phone name (if available) will be display on the panel.

The phone name will available on the panel after the pairing is completed. This means the device is connected and ready for bluetooth communication.

Tap  can see call history.


Tap  calling key pad menu to make a call.

Tap  calling button to use phonebook functions.

Tap  to connect / disconnect bluetooth.




## calling button

Tap  button to enter call mode.


In call mode, the unit can be used as your phone, making and receiving calls are possible with

bluetooth, simply tap phone number and tap  button to accept a call, and tap  button to hang up.




- 1) Tap the  button and the device will automatically makes a call to the latest call in its call log.
- 2) The volume will be operated separately while calling.

## Calling History

To upload history & contacts off phone, tap (phone book icon) to reach contacts menu. Tap (download icon) to gain access to phone information. The phone may ask for permission to release information. Select "yes" and contact & call history will become available.

Tap  button can see call history .

After the unit be allowed download the data from phone.

Tap  button can see the call records of which have been received , tap  button can see the call records of which have been missed , Tap the  button to dial the number you chose.



# Bluetooth Operation

## (A2DP) Streaming Music Mode


### A2DP (Advanced Audio Distribution Profile) Music Player


A2DP is a function which can receive the audio frequency signal from the mobile phone, amplified by the car audio and played out by the car speakers.

Notice: your mobile phone need to support A2DP.

Tap the buttons on the screen as shown, or press corresponding buttons (pause/play, stop, previous/next) on remote control to play, pause, play previous, or next music file.



Tap  music streaming icon on main menu to listen to music from your bluetooth device.


Tap  button to played and paused 'music' in bluetooth mode.

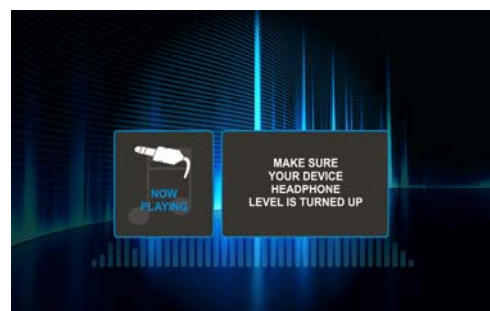
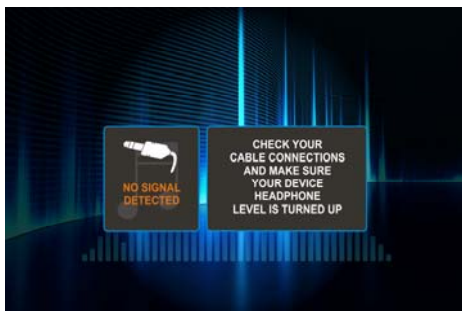
Tap  and  for previous and next.

## Aux-In

### Aux-In MODE

To start Aux-In Mode, tap Aux-In icon from main menu screen. connect the external audio signal source to this unit will display "NOW PLAYING".

**Note:** Aux-In does not support a video display function. A "NO SIGNAL DETECTED" display will appear if there is no audio signal input. Press the  icon to to go back to the main menu.



## Troubleshooting

	Symptom	Cause	Remedy
General	Power does not turn on (No sound is produced)	Fuse is blown	Replace with fuse of the same amperage. If the fuse blows again, consult your store of purchase
		Incorrect wiring	Consult your local retailer
	No sound output when operating the unit with amplifiers or power antenna attached	Power antennal lead is shorted to ground, excessive current is required or remote on the amplifiers or power antenna	<ol style="list-style-type: none"> <li>1. Turn off the unit</li> <li>2. Remove all wires attached to the power antenna lead, check each wire for a possible short to ground using an ohm meter</li> <li>3. Turn on the unit</li> <li>4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external replay to provide remote-on voltage (excessive current required)</li> </ol>
	Nothing happens when buttons are pressed Display is not Accurate	Unit needs to be Reset	Using a pen or toothpick, press and release the <i>Where</i> is it located?
		Panel or main unit Connectors are dirty	Wipe the dirt off with a soft cloth moistened with cleaning alcohol

## Troubleshooting

symptom	Cause	Solution
No power	The car ignition is not on	If the power supply is properly connected to the car accessory switch the ignition key to "ACC"
	The fuse is blown	Replace the fuse
No sound	Volume is in minimum	Adjust volume to a desired level
	Wiring is not properly connected	Check wiring connection
The operation keys do not work	The built-in microcomputer is not operating properly due to noise	Press the power button for about 10 seconds to reset the unit
	Front panel is not properly fix into its place	
Sound skips	The installation angle is more than 30 degrees	Adjust the installation angle to less than 30 degrees
	The disc is extremely dirty or defective	Clean the compact disc/try to play a new one
The radio does not work, the radio station automatic selection does not work	The antenna cable is not connected the signals are too weak	Insert the antenna cable firmly select a station manually



## General Specification

<b>General</b>	
Power supply	11~16V DC
Current consumption	Max. 10 A
Maximum power output	45W x 4 channels (max)
Compatible formats	MP3,WMA,JPEG,AVI
Dimensions (W x D x H) / weight	6.5" x 7.0" x 3.9" /4.15 lbs
Working temperature range	-4°F -- +140°F
<b>TFT display</b>	
Screen size	6.2 inch
Resolution	800*480 pixel
Aspect ration	4:3/16:9
Brightness	460 cd/m <sup>2</sup>
Contrast ratio	500:1
<b>FM radio</b>	
Frequency range(Europe area)	FM:87.5 –108MHz(Step 50KHz)
Frequency range(America area)	FM:87.5 –107.9MHz(Step 200KHz)
Frequency range(Asia area)	FM:87.5 –108MHz(Step 100KHz)
Frequency range(South America area)	FM:87.5 –108MHz(Step 100KHz)
Frequency range(Russia area)	FM:87.5 –108MHz(Step 50KHz) 65-74MHz(Step 30KHz)
Preset memory stations	18
<b>AM(MW)radio</b>	
Frequency range(Europe area)	AM:522-1620(Step 9KHz)
Frequency range(America area)	AM:530-1710(Step 10KHz)
Frequency range(Asia area)	AM:531-1602(Step 9KHz)
Frequency range(South America area)	AM:520-1710(Step 10KHz)
Frequency range(Russia area)	AM:522-1620(Step 9KHz)
Preset memory stations	12
<b>Audio specification</b>	
Frequency response	20 Hz-20 KHz
TV Color System	Color system NTSC/PAL
<b>USB interface</b>	
USB type	USB 2.0 full speed

Specifications are subject to change without notice, mass and dimension are approximate.

## FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator your body: Use only the supplied antenna.