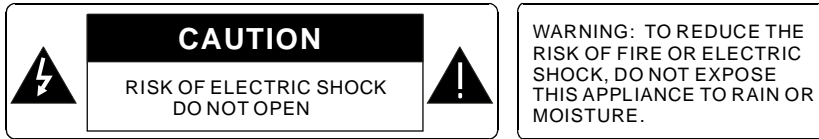


PRECAUTION



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CLASS 1 LASER PRODUCT

Laser product symbol: located on the rear panel of the unit, indicates this player is a class 1 laser product. It uses a weak laser that does not emit hazardous radiation outside of the unit.

1. Read through this instruction manual before installation and use.
2. Do not touch the power plug with wet hand.
3. Switch off the main power when the unit is not in use. (Disconnect the power plug from the power outlet when you do not intend to use the unit for a prolonged period of time.) Before moving the unit, remove the disc from the unit/ tray first.
4. Do not open the cover or touch any of the components exposed out of the unit, only for qualified technicians.
5. Do not expose the unit under direct sunlight or nearby objects that radiate heat to avoid damage to the unit.
6. Do not place the unit in moist and humid conditions, which effect the pick-up of the unit.
7. Place the unit on a flat surface and ventilative condition. Please ensure the ventilation holes are not covered to avoid overheating and malfunction.
8. Clear the panel and case with soft dry cloth only, do not apply any kind of thinner, alcohol or sprays.
9. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus
10. unplug the apparatus when not using for a long time oriented to disconnect from the Mains power

1. Before Operation

1.1 Glossary

PBC (playback control)

It is a kind of signal(menu) recorded in the disc with SVCD or VCD2.0 format used for the playback control. For the discs containing PBC, it can playback interactive software with the menu displayed on TV. And if the disc contain still images, it can playback high definition of still image.

Title

Generally, the title is the important part of DVD disc. for example, the theme part of movie is title 1, the part described how to make movie is title 2, the cast is title 3, etc. Every title contain a serial number that is easy to lookup.

Chapter

A title can be divided into several blocks, so that every block can be operated as a unit, the unit is called chapter. The chapter contain a unit at least.

Track

It is the biggest component of VCD. Generally, every song of karaoke disc is a track.

1.2 Precautions

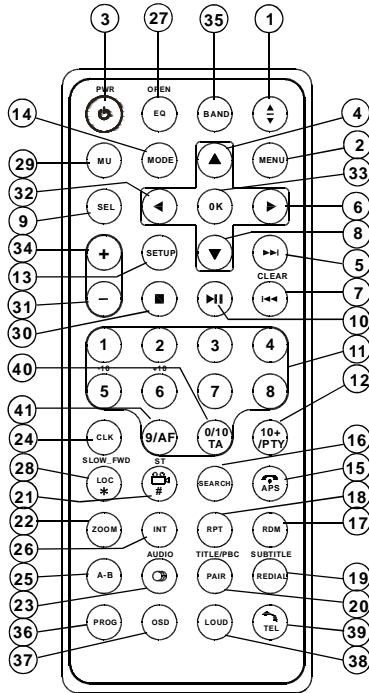
Safety

1. Power Source: The unit should be connected to power supply only of the type described in the operating instructions or as marked on the unit.
2. The unit is designed for negative terminal of the battery which is connected to the vehicle metal. Please confirm it before installation.
3. Do not allow the speaker wires to be shorted together when the unit is switched on. Otherwise it may overload or burn out the power amplifier.
4. Do not install the detachable panel before connecting the wire.
5. The protective case is to safely keep the front panel(see the photo).

Environment

1. Do not use this unit when water and moisture is near it.
2. If moisture forms inside the Lens, it may not operate properly. To correct this problem, wait about one hour for the moisture to evaporate.
3. If the car interior is extremely hot, do not use the player until the car has been driven for a while to cool off the interior.

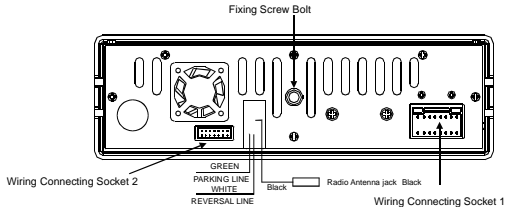
1.5 The Remote Control Description



1. ANG BUTTON
2. MENU BUTTON
3. POWER BUTTON
4. ^ BUTTON
5. >>| BUTTON
6. > BUTTON
7. |<< BUTTON
8. v BUTTON
9. SEL BUTTON
10. PLAY/PAUSE BUTTON
11. NUMBER(0~10,+10-10) BUTTONS
12. 10+/PTY BUTTON
13. SETUP BUTTON
14. MODE BUTTON
15. APS/Hang Up BUTTON
16. SEARCH BUTTON
17. RDM BUTTON
18. RPT BUTTON
19. SUBTITLE/REDIAL BUTTON
20. TITLE/PBC/PAIR BUTTON
21. VIEW-ANGLE/ST/# BUTTON
22. ZOOM BUTTON
23. AUDIO BUTTON
24. CLK BUTTON
25. A-B BUTTON
26. INT BUTTON
27. EQ/OPEN BUTTON
28. LOC/SLOW-FWD/* BUTTON
29. MUTE BUTTON
30. STOP BUTTON
31. VOLUME- BUTTON
32. < BUTTON
33. OK BUTTON
34. VOLUME+ BUTTON
35. BAND BUTTON
36. PROG BUTTON
37. OSD BUTTON
38. LOUD BUTTON
39. TEL BUTTON
40. TA BUTTON
41. AF BUTTON

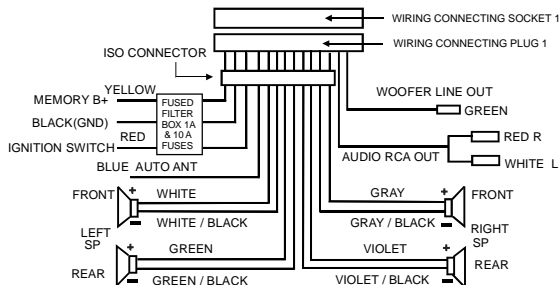
1.7 Wires Connection Description

The Description of the Wires Connection



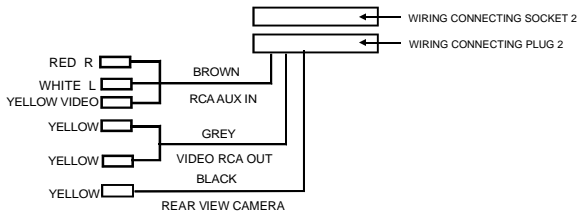
Note: Use the clip end of a Ground Line provided by manufacturer to connect the Fixing Screw Bolt, use another end of the Ground Line to connect the negative pole of the power source. Otherwise, the video on screen maybe flashes.

The Description of the Wires Connection of the Wiring Connecting Socket 1

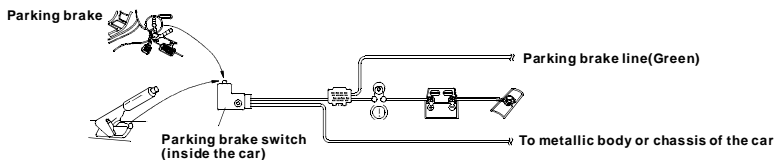


- NOTES:
1. Only speakers with 4 ohms impedance may be used.
 2. Ensure that the blue auto antenna cable does not make contact with any ground connection.

The Description of the Wiring Diagram for Socket 2




Description of Connecting the Parking Brake Line to the Parking Brake System Built in the Car



NOTE: after connecting the Parking Line, the video on the small monitor of the front panel will be display only after applying the e-brake.

2. Common Operation

1. To turn on/off the unit
In power off mode, short press the POWER button to turn on the unit.
In power on mode, long press the POWER button on the front panel or short press the POWER button on the remote control to turn off the unit.
 2. To slide the monitor of the Car Audio System out of/into the chassis
Pressing the OPEN button can slide the monitor of the Car Audio System out of the chassis or slide it into the chassis.
 3. To select an optimal angle of the monitor of the Car Audio System
To select an up-down optimal angle of the monitor of the Car Audio System, press the DOWN/UP button on the monitor or ANG button on the remote control repeatedly.
 4. To select function mode
Press the MODE button to select RADIO, DISC (After inserting a disc), USB (After inserting a USB storage), CARD (After inserting a card), AUX or BLUETOOTH mode.
During playback, tapping the  icon after popping up Keyboard interface can pop up Mode Menu as right. then tap one icon in it to select your desired mode.
-
- Mode Menu**
5. To adjust sound level
Rotate the VOL knob on the front panel or press or hold the + or - button on the remote control to directly adjust the volume level.
 6. To mute sound
Press the MUTE button on the remote control to turn on/off MUTE mode.
pressing the POWER button on the front panel shortly also can turn on/off MUTE mode.
 7. To display clock time
Press the CLK button to display clock time on the small monitor of the front panel.
After sliding the monitor into the chassis, pressing the CLK button can display clock time on the small LCD.
 8. To select a desired EQ mode
Press the EQ button on the remote control to select one of the preset music equalizer curves: POP, ROCK, CLAS, OFF. The sound effect will be changed.
 9. To turn on/off LOUD mode
Press the LOUD button to turn on/off LOUD mode.
When turning on LOUD mode, it will enhance bass level immediately when bass is not enough.
 10. To remove the front panel and reset the player
When the monitor or the small LCD display wrongly or some buttons are not available or sound is distorted, press the REL button on the front panel to detach the front panel and then pull it rightward and then leftward to remove it, then press the RESET button to rehabilitate the distorted program to zero.

5. PRESET STATION [1-6] BUTTONS

In RADIO mode:

- 1) To memorize the current frequency on the current band, press and hold any one of the six preset buttons (1-6) on remote control or rotate number knob and long press it .
- 2) To recall the preset memory on the current band, press one of the preset buttons [1-6] on remote control or rotate number knob and press it .

6. STEREO/MONO BUTTON

Press the ST button on the remote control to select the STEREO or MONO sound mode for FM band.

7. LOC BUTTON

- 1) In RADIO mode, when the signals of the distant radio stations are very weak and the receiving effect is bad during tuning, check whether there is the word LOC on LCD. If there is the word LOC on LCD, press this button to turn off the LOC function, then tune again for the distance radio station;
- 2) In RADIO mode, when the signals of the local radio stations are too strong this causes interference to the receiving effect during tuning, press this button to turn on the LOC function to display the word LOC on LCD, then tune again for the local radio station.

8. PTY (PROGRAM TYPE) BUTTON

Press the PTY button briefly to select one of the following modes:

PTY MUSIC group- - PTY SPEECH group -- OFF

When PTY group is on, press the VOL+ or VOL- button on the remote control or rotate the VOL knob on the front panel to select one of PTY programs as follows:

<-->NEWS<-->AFFAIRS<-->INFO<-->SPORT<-->EDUCATE<-->DRAMA
 <-->CULTURE<-->SCIENCE<-->VARIED<-->WEATHER<-->FINANCE
 <-->CHILDREN<-->SOCIAL<-->RELIGION<-->PHONE IN<-->TRAVEL
 <-->LEISURE<-->DOCUMENT< -->PTY NONE<-->POP M< -->ROCK M
 <-->EASY M<-->LIGHT M<--> CLASSICS<-->OTHER M<-->JAZZ
 <-->COUNTRY<-->NATION M<-->OLDIES<-->FOLK M<-->

When PTY group is on, pressing the 6 number buttons also can select one of PTY programs as above.

After selecting one of the PTY programs, it will display SEEK PTY and automatically search for the station of the PTY program. If the station of the PTY program does not exist, it will display PTY NONE and then return back to the normal station.


9. AF [ALTERNATIVE FREQUENCIES] BUTTON


When pressing the AF button briefly, the AF switching mode is selected and the AF switching mode is displayed by AF segment in display.


Segment off: AF switching mode off.


Segment on: AF switching mode on, and has RDS information.

Segment flashing: AF switching mode on, but RDS information is not received yet.


 : Tap it can pause playback


 : Tap it can stop playback .


 : Tapping one of them can switch on between the speed levels of fast backward or forward. (Except image mode.)


 : Tapping one of them can select next or previous chapter/track.


 : Tap it to turn volume up and down.


 : Tap it to turn the selecting page up and down.


 : Tap it to select INT play mode(Except image mode.)


 : During VCD playback, tap it can select the audio ST/MONO .


 : Same as the MENU button on the remote control.


 : Same as the TITLE button on the remote control.

 : Same as the REPEAT button on the remote control.


 : Same as the SUBTITLE button on the remote control.

 : Tap it to select the track from 1-9 and then select OK to play your selecting.

 : During playback, press the ZOOM button and then tap one of them are same as the direction buttons on the Remote Control. (Except music & image mode.); During playback, press one of them to change the playback angle. (Only for image mode.)

 : Same as the ZOOM button on the Remote Control.

 : Same as the RDM button on the Remote Control.

 : During DVD playback, tap the icon to change the playback angle.



Root interface for MUSIC



Keyboard interface-1



Keyboard interface-2



Keyboard interface-3

2. Press the direction buttons to select your desired title, and then press the OK or PLAY button to open the root menu of the selected title.
3. Press the direction buttons to select your desired chapter, finally press the OK or PLAY button to play the selected chapter.

During playback, pressing the MENU button can directly display the root menu of the title that is playing.

In VCD mode

1. When starting to turn on the PBC function, it will play from the beginning of the disc till it display the PBC menu on TV screen if the disc include the PBC menu.
2. Press the number buttons to select your desired track to play.

In MP3/WMA mode

1. The root menu is displayed on the monitor screen all the time (and the TITLE or MENU button is not available).
2. Press the direction buttons to select your desired FOLDER, then press the OK or PLAY button to open the FOLDER, and then press the direction buttons to select your desired file, finally press the OK button to play the selected file.

In CD mode, the TITLE, PBC, MENU buttons are disabled.

4.7 Playback with Speed

During normal playback, long press the >>|/|<< button continuously to fast forwards or backwards at the following speeds: x2, x4, x8, x20, normal.

During speed playback, press the PLAY button to resume normal playback.

4.8 Playback with Slow Speed

During playback, press the SLOW_FWD button to execute the Slow Forward function.

With each consecutive pressing of the SLOW_FWD button, the playback speed decreases. The speed levels in Slow Forward as follows: x1/2, x1/3, x1/4, x1/5, x1/6, x1/7, normal.

4.11 Playback in Scan Mode

1. In the state of VCD(PBC OFF)/CD playing, press the INT button to play the previous 15 seconds part of each track on the disc. Press the INT button again to resume normal playback.
2. In the state of DVD/MP3/WMA playing, the INT button is not available.

4.12 Playback from a specified chapter/track or a specified time

1. In the state of DVD playing, press the SEARCH button to display a interface and highlight the title item, then use the number buttons to input the serial number of the title; use the direction buttons to highlight the chapter item, then use the number buttons to input the serial number of the chapter; you can still use the direction buttons to highlight the time item, then use the number buttons to input the desired time to start playback; finally press the OK or PLAY button to play the selected chapter or play from the selected time.
2. In the state of VCD/MP3/WMA/CD playing, press the SEARCH button to display a interface and highlight the track item, then use the number buttons to input the serial number of the track; you can still use the direction buttons to highlight the time item, then use the number buttons to input the desired time to start playback; finally press the OK or PLAY button to play the selected track or play from the selected time.

4.13 Playback in Random

In the state of DVD/VCD(PBC OFF)/MP3/WMA/CD playing, press the RDM button to switch between RANDOM (ON)/RANDOM OFF. When in RANDOM (ON) mode, it will play in random.

4.14 Playback in Different View-Angle

1. In the state of VCD/MP3/WMA/CD playing, the VIEW-ANGLE button on the IR remote control is not available.
2. In the state of DVD playing, press the VIEW-ANGLE button repeatedly on the IR remote control to view in different angle.(This function is only for the DVD media with ANGLE function)

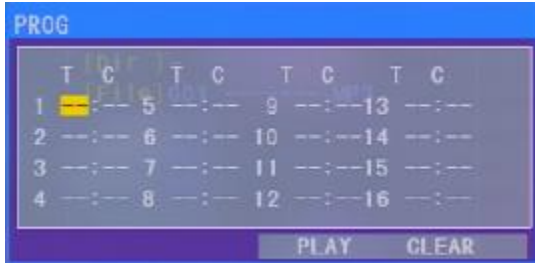
4.15 Playback in Zoom Mode

In video/image mode, during playback, press the ZOOM button continuously to enlarge a certain area of the images on the screen with these multiples:

4.19 Program Playback

It allows you to enter the order in which you want some chapters/tracks in DVD/VCD/MP3/WMA/CD to play.

- 1 During playback, press the PROG button to enter a program interface as follows:



- 2 Use the direction buttons to move cursor onto the desired place for inputting the sequence number.
 - 3 Use the number button to input desired sequence number of title/chapter/track with desired sequence.
 - 4 Use the direction button to move cursor onto Play item, then press the OK button to play the programmed titles/chapters/tracks in programmed order; only pressing the PLAY button also can play the programmed titles/chapters/tracks in programmed order.
- * To exit program playback, firstly press the STOP button, then press the PLAY button to enter sequence playback; or press the PROG button twice again.
 - * To remove the all programmed sequence numbers, move the cursor onto Clear item, then press the OK button.
 - * To change the programmed sequence, move the cursor onto the item you want to change, input the desired sequence number.
 - * During VCD playback, if it is in PBC ON mode, at the same time of entering the state of program playback, it turns off PBC mode.

4.20 Playback IMAGE files

1. The root menu is displayed on the monitor when beginning to switch on IMAGE mode. .
In the root menu, the left file sort icon is for MP3/WMA file; the middle file sort icon is for IMAGE file; the right file sort icon is for VIDEO file. If one of these 3 file sort does not exist, you can not move cursor onto the file sort icon.
2. When displaying the root menu, press the direction buttons to select your desired FOLDER, file or file sort icon, then press the OK or PLAY button to open the FOLDER, or play the selected file, or play only this sort of file. When displaying the root menu, you can also use the number buttons to select the serial number of the file and play the file.

2. There are 6 setup pages in all for the System Menu. Press the > or < button to select an desired setup page.
 3. Press the ^ or v button to select an setup item in the selected setup page.
 4. Press the > button to enter the setup item. Then press the v or ^ button to select a desired mode of the setup item, finally press the OK button to confirm it.
- * Press the < button to return to the upper level.
 - * Press the SETUP button again or use the direction buttons to highlight the item of the EXIT SETUP and then press the OK button to exit the System Menu.
- For the DVD System Menu, there are 6 setup pages in all. They display as follows:

4.23.1 SYSTEM SETUP

TV TYPE

The setup item is for matching TV screen size.

- 4:3 PS: Choose the item when connecting a TV set with 4:3 screen. When playing the pictures with 16:9 size, the left and right parts of the video will be cut out, and display in full screen.
- 4:3 LB: Choose the item when connecting a TV set with 4:3 screen. When playing the pictures with 16:9 size, the top and bottom parts of the TV screen will be turned into a black square respectively.
- 16:9: Choose the item when connecting a TV set with 16:9 wide screen.



PASSWORD

This setup item is for locking or unlocking the rating level of the Parental Control. The defaulted state is locked. The defaulted password is 0000. You can set a new password that you like: Select the PASSWORD item and then press the > button to enter it, then input the original password 0000, and then press the OK button to unlock it. Press the > button to enter it again, then input a new password that you like and then press the OK button to make it effective. Before the other persons see the Manual, you should get the password in mind and cut out the part of PASSWORD in the Manual.

RATING

The item is for setting a new rating level of the Parental Control.

1. Select the PASSWORD item and then press the > button to enter it, then input the password mentioned above, and then press the OK button to unlock the setting of the rating level of the Parental Control.
2. Select the RATING item and then press the > button to enter it, then use the direction buttons to select your desired rating level, then press the OK button to confirm.
3. Select the PASSWORD item again and then press the > button to enter it, then input the password, and then press the OK button to lock the new setting of the rating level of the Parental Control.

DEFAULT

This item is for making all setup items change back to original status.

4.23.5 SPEAKER SETUP

DOWNMIX

It is for selecting your desired sound effect when there is not central speaker and subwoofer. There are 3 mode: LT/RT, STEREO, VSS.

LT/RT: When playing a disc with PRO LOGIC

Dolby stereo effect, choose the item, so it will output audio signal with vivid theatre effect.

STEREO: If you choose the item, when outputting audio signal with 5.1 channels, it will output the left and right channels of signal ; when outputting audio signal with 2 channels, it will output the common 2 channels of stereo signal.

VSS: If you choose the item, when playing a disc recorded with 5.1 channels, the main channel speakers can output audio signal with VSS effect.



4.23.6 DIGITAL SETUP

OP MODE

It is for selecting audio output mode

LINE OUT: It can linearly compress the audio signal. So the volume level is lower. You should select the item at night.

RF REMOD: It can make the volume level higher. You should select it at daylight.



DYNAMIC RANGE

After selecting the compression mode of LINE OUT, set the item, so you can adjust the linear compression ratio. If you set it to be FULL, the Peak-to-Peak value of the audio signal is the minimum; if you set it to be OFF, the Peak-to-Peak value is the maximum.

DUAL MONO

It is for selecting a desired audio output mode for the left and right ways of signal. It is mainly for Karaoke of Ac3. There are 4 modes in all as follows:

STEREO, MONO L, MONO R, MIX MONO.

* The Region Code

Q: REGION ERROR displayed after inserting disc into disc compartment. Why ?

A: Because the DVD player and disc has respective region codes. If the region codes do not match, the DVD player can not play the disc.

Appendix: The region code of DVD:

The Motion Picture Association of America (MPAA) divided the world into 6 regions, and named every region a code . The region codes and the countries or areas represented by the region codes as follows:

Region 1: America, Canada, East-Pacific Inlands;

Region 2: Japan, West Europe, North Europe, Egypt, South Africa, Middle East;

Region 3: South-east Asian countries include Taiwan, Hong Kong, South Korea, Thailand, indonesia, etc.;

Region 4: Australia, New Zealand, Central South America, South Pacific Inlands;

Region 5: Russia, Mongolia, Indian Peninsula, Middle Asia, East Europe, North Korea, North Africa, North-west Asia etc.;

Region 6: China mainland.

Only the discs produced by the 8 biggest filmmaking companies of America assign region codes. The DVD movie discs not produced by the 8 biggest filmmaking companies of America were not restricted by the rule of region code. Generally, they are called FreeRegionCode discs or Full Region discs. The 8 biggest filmmaking companies of America are as follows:

1. WarnerBros;
2. Columbia;
3. 20thCenturyFOX;
4. Paramount;
5. Universal;
6. UA(UnitedArtist);
7. MGM(MetroDogwynMayer);
8. WaltDisney

4. In the connection status: the audio of mobile phone transfers to the car audio system whenever a dialling takes place or receiving a call.

5. Dialling when in connection status

5.1 Dial with the mobile phone directly.

5.2 Dial with remote control with the following procedures:

(1) Input telephone number with number buttons 0-9

* Press CLEAR button briefly to cancel the wrongly input number if necessary

(2) Press TEL button briefly to execute the dialling.

5.3 To redial the last phone number dialled

Press REDIAL button briefly or tap the icon  to validate the last phone number.

6. Accept/Reject/End Call

6.1 When ringing, press TEL button briefly to accept the call;

6.2 When ringing, press HANGUP button briefly to reject the call;

6.3 When talking, press HANGUP button briefly to end the call.

Note: During ringing, the phone number appears.

7. To transfer the audio of a file played by Mobile Phone to the Car Audio Player

In the connection status between the Bluetooth devices of the Car Audio Player and a Mobile Phone, if the mobile phone can play audio or video files and support A2DP, when the Mobile Phone plays an audio or video file (For some Mobile Phones, you must select Play by BT firstly), the audio of the playing file will be transferred to the Car Audio Player.

In A2DP mode, if the Bluetooth device of the Mobile Phone support AVRCP, the functions of the >>|, |<<, PLAY/PAUSE, EJECT, MUTE, EQ, LOUD, +, - and SEL buttons are the same as one in media mode (no fast forward/backward functions for the >>|/|<< buttons). The other buttons available in media mode are not available.

