SOUND STORM LABORATORIES
3451 Lunar Court, Oxnard CA 93030

TECHNICAL ASSISTANCE
www.soundstormlab.com/technical-support/
805.322.8794

DD889B

BLUETOOTH® • DOUBLE-DIN DVD/MP3/CD AM/FM RECEIVER

0516

iPod® and iPhone® are registered trademarks of Apple Inc. in the U.S. and other countries.
Sound Storm Laboratories is not affiliated with Apple Inc.
The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Sound Storm Laboratories is under license. Other trademarks and trade names are those of their respective owners.

USER'S MANUAL

DD889B

BLUETOOTH® • DOUBLE-DIN DVD/MP3/CD
AM/FM RECEIVER

FEATURING 7" (178mm) DETACHABLE WIDESCREEN TOUCHSCREEN DIGITAL TFT MONITOR

To ensure safety while driving

and to comply with laws,

drivers should not watch video or

operate the video device while driving.

PRECAUTION

Class 1 laser product

This car multimedia player is a class 1 laser product. However This car multimedia player uses a visible/invisible laser beam which could cause . Hazardous radiation exposure if directed.

Be sure to operate the car multimedia player correctly as instructed. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Do not open covers and do not repair yourself. Refer servicing to qualified personnel.

Content

Precaution..... 1
Content..... 2

Installation diagram..... 3
Wiring diagram..... 4
Remote control..... 5
Controls on main unit..... 6
Remote control description..... 7

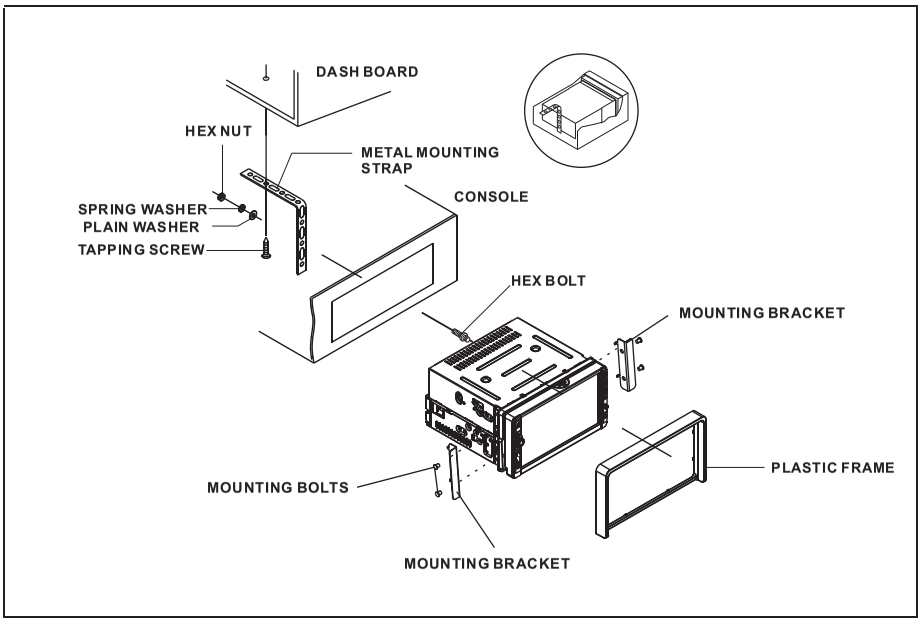
Universal functions..... 8
Radio operation..... 11
Bluetooth operation..... 14

Disc/USB/Card operation..... 17
1. Loading or unloading a Disc, USB or Card..... 17
1.1 Loading a Disc, USB or Card..... 17
1.2 Unloading a Disc, USB or Card..... 18
2. Function Icons..... 18
2.1 Function Icons-board of Digital Video/CD(Video)/MPEG4/Image /MP3/WMA..... 18
2.2 CD interface..... 19
3. Function of controls on the touch screen/main unit/remote control..... 20
* Region Code..... 29
* Parental Control..... 30

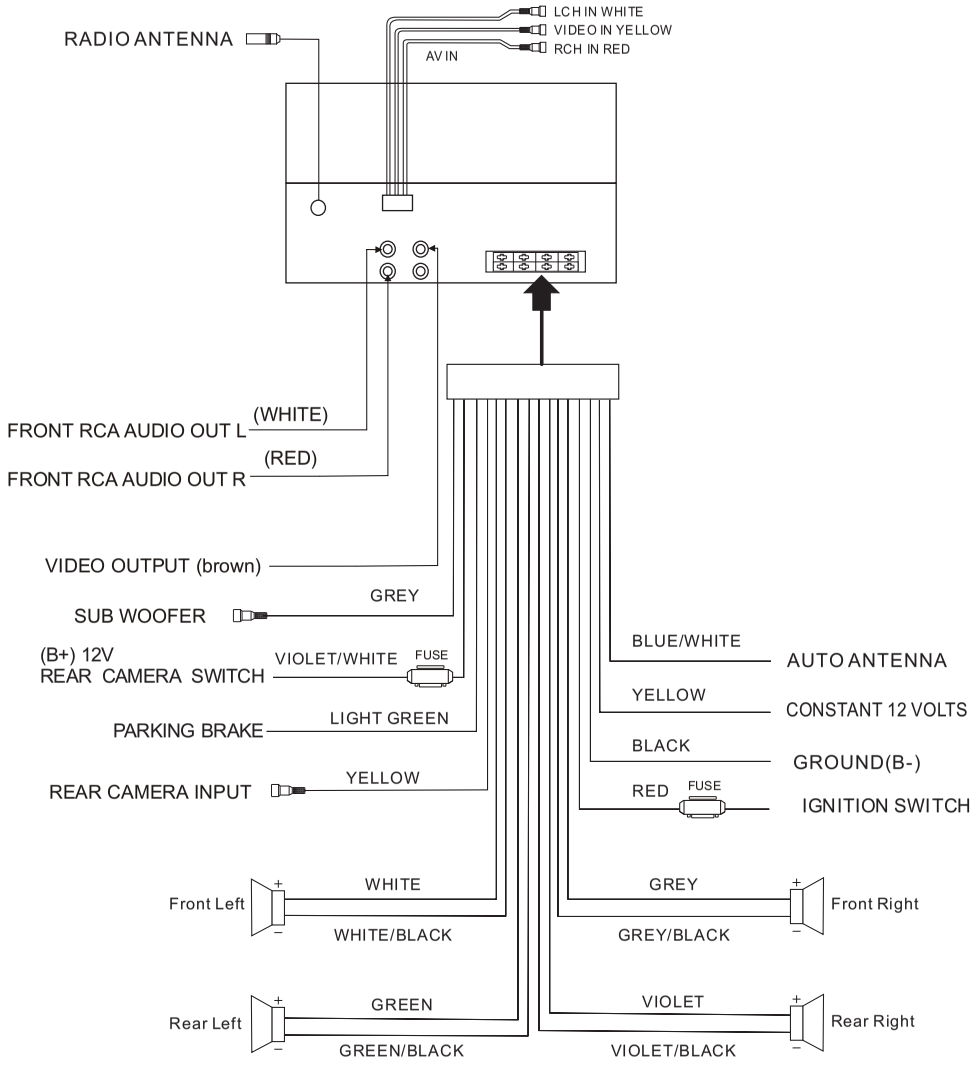
AUX IN/AV IN operation..... 31
External iPod operation..... 32
Rear View Camera..... 33

Troubleshooting..... 34
Specification..... 35

Installation diagram



Wiring diagram



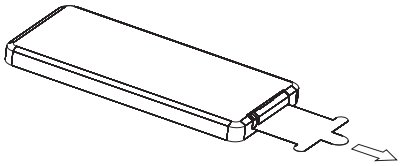
NOTE:
1. Must use 4 ohm speakers.
2. After connecting parking brake input line, video on screen of control panel will be displayed only after applying parking brake.
3. Before finishing wiring, do not attach control panel onto chassis.

REMOTE CONTROL

1. Removing insulating sheet

If using remote control for the first time, you can see an insulating sheet at the bottom side of remote control as right.

you must remove the insulating sheet as right. Otherwise, the remote control is disabled.



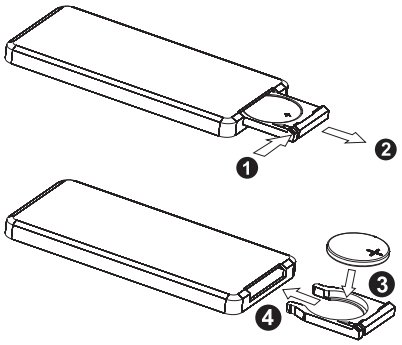
2. Replace battery

If the electric energy of battery is weak, replace it.

1) Press and hold the movable block as direction indicated by arrow 1 as right, at one time pull batteryl holder out of remote control as direction indicated by arrow 2 as right.

2) Replace the old battery by a new one with (+) polarity side upward as right.

3) Insert the battery holder into remote control again as right.



3. Note about using remote control

1) You should face the emitting window of remote control towards the sensor window of the unit.

2) Operation angle for front panel: About 30 degree

3) The distance between the emitting window of remote control and the sensor window of the unit : < 5M .

4. Battery Warning

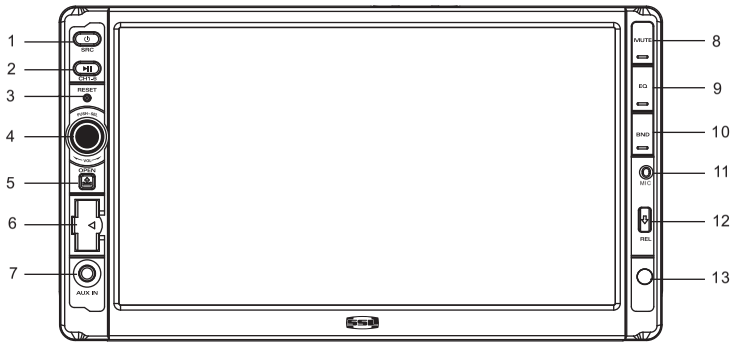
1) Battery leakage may cause damage to remote control.

2) Do not throw batteries into fire.

.

3.To avoid risk of accident, keep batteries out of reach of children.

Controls on Main Unit



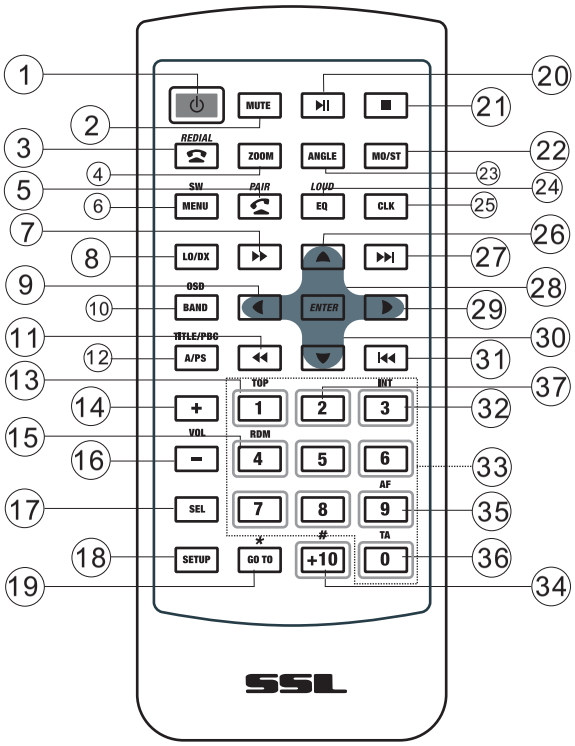
Control Panel

Top Front View Drawing after Flipping down Control Panel

Front View Drawing after Removing Control Panel

1. POWER or SRC BUTTON
2. >|| or CH1~6 BUTTON
3. RESET BUTTON
4. SEL BUTTON and VOL KNOB
5. OPEN BUTTON
6. USB PORT and COVER
7. AUX IN JACK
8. MUTE BUTTON
9. EQ BUTTON
10. BAND BUTTON
11. MICROPHONE
12. REL BUTTON
13. IR SENSOR WINDOW
14. DISC SLOT
15. EJECT BUTTON
16. CARD SLOT

Remote Control Description



1. POWER or SRC BUTTON
2. MUTE BUTTON
3. HANG UP or REDIAL BUTTON
4. ZOOM BUTTON
5. CALL or PAIR BUTTON
6. MENU or SW BUTTON
7. >> BUTTON
8. SUBTITLE or LO/DX BUTTON
9. < BUTTON
10. BAND or OSD BUTTON
11. << BUTTON
12. A/PS or TITLE/PBC BUTTON
13. TOP BUTTON
14. VOL+ BUTTON
15. RDM BUTTON
16. VOL- BUTTON
17. SEL BUTTON
18. SETUP BUTTON
19. GOTO or * BUTTON
20. >|| BUTTON
21. STOP BUTTON
22. AUDIO or MO/ST BUTTON
23. ANGLE BUTTON
24. EQ or LOUD BUTTON
25. CLK BUTTON
26. ^ BUTTON
27. >>| BUTTON
28. ENTER BUTTON
29. > BUTTON
30. V BUTTON
31. |<< BUTTON
32. INT BUTTON
33. NUMBER(0~9) BUTTON
34. +10 or # BUTTON
35. AF BUTTON
36. TA BUTTON
37. RPT BUTTON

Universal functions

1. POWER button or icon
   In power off mode, pressing POWER button on remote control or pressing POWER button on control panel powers on main unit.

   In power on mode, long pressing POWER button on remote control or long pressing POWER button on control panel or touching icon on source menu(see Source menu fig.on next page) powers off main unit.

2. VOL knob & VOL+/VOL- buttons
   To adjust volume level, rotate VOL knob on control panel or press or hold VOL+ or VOL- button on remote control.

3. SEL button
   To switch between BASS,TREBLE,BALANCE, FADE,COLOR,BRIGHTNESS,CONTRAST, TINT and VOLUME, briefly and repeatedly press SEL button.

   After switching on the desired mode above, rotate VOL knob or press VOL+/VOL- buttons to set it.

   To switch between BLUETOOTH, REG, PI, TA, AF, LOUD, SWF, EQ, DX/LOCAL(in radio mode), STEREO/MONO(in radio mode), TIME 12H/24H, CLOCK, BUZZ,EUR/USA FREQ,ANIMATION and BG, long press SEL button to switch on Bluetooth, then briefly and repeatedly press SEL button.

   After switching on the desired mode above, rotate VOL knob or press VOL+/VOL- buttons to set it.

4. MUTE button
   To switch MUTE mode on or off, press MUTE button on remote control or press MUTE button on control panel.

5. EQ button
   To select a desired preset EQ mode from JAZZ, CLASSIC, POP, ROCK and USER, press EQ button on remote control or on control panel continuously.

6. LOUD button
   To switch on or off LOUD mode, long press LOUD button on remote control .

7. SW button
   To switch on or off SUBWOOFER mode, long press SW button on remote control.

8. CLK button
   Press CLK button on remote control to display clock time .

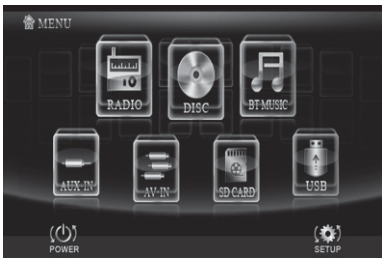
9. SRC button and source menu
   To switch work source between RADIO, DISC(after inserting a disc), USB(after inserting a USB storage), CARD(after inserting a card), AUX, AV and BLUETOOTH MUSIC, press SRC button on remote control or press SRC button on control panel continuously.

   During disc(non-CD)/USB/card playback, touch screen to pop up Function Icons-board and then touch the icon in the Function Icons-board to enter the source menu(refer to Disc/USB/Card Operation) .

   During AUX/AV playback, touch screen to pop up AUX/AV interface and then touch icon to enter the source menu(refer to AUX/AV Operation operation).

   In radio, bluetooth music or CD mode, touch icon to enter the source menu(refer to Radio Operation, Bluetooth Operation and Disc/USB/Card Operation).

The source menu displays as follows:



Source Menu

In source menu, touch one icon of RADIO, DISC, BLUETOOTH MUSIC, AUX, AV,SD CARD and USB to enter one work source of RADIO, DISC, BLUETOOTH MUSIC, AUX, AV, SD CARD and USB.

10.SETUP icon

1) SETTINGS SYSTEM

In source menu, touch SETUP icon to display SYSTEM page of SETUP menu as follows:

System page of SETUP menu

In the SYSTEM page of SETUP menu, repeatedly touch the ▲ or ▼ icon to highlight one setting item of BRIGHTNESS, CONTRAST, COLOR, TINT, ANIMATION, WALLPAPER and BLUETOOTH. After highlighting a desired setting item, touch the ▶ or ◀ icon to set it.

2) SETTING SOUND

In SOUND menu, touch SOUND icon to display SOUND page of SETUP menu as follows:

Sound page of SETUP menu

In the SOUND page of SETUP menu, repeatedly touch the ▲ or ▼ icon to highlight one setting item of TREBLE, BASS, BALANCE, FADE, SUBWOOFER, LOUDNESS, RADIO LOC/DX(entering Source Menu in radio mode), RADIO STEREO(entering Source Menu in radio mode) and BUZZER ON/OFF. After highlighting a desired setting item, touch the ▶ or ◀ icon to set it.

3) SETTING TIME

In CLOCK menu, touch TIME icon to display TIME page of SETUP menu as follows:

Time page of SETUP menu

In the TIME page of SETUP menu, repeatedly touch the ▲ or ▼ icon to highlight one setting item of HOUR, MINUTE and 24H/12H. After highlighting a desired setting item, touch the ▶ or ◀ icon to set it.

4) SETTING RDS

In RDS menu, touch RDS icon to display RDS page of SETUP menu as follows:

RDS page of SETUP menu

In the RDS page of SETUP menu, repeatedly touch the ▲ or ▼ icon to highlight one setting item of REGION and PI SOUND/MUTE. After highlighting a desired setting item, touch the ▶ or ◀ icon to set it.

After finishing setting, touch ↺ icon to return back to normal playback.

11.OPEN button

press OPEN button on control panel to flip down the control panel.

12.REL button

Press REL button on control panel to detach the control panel, then hold the right part of the control panel to lift up a little and pull it rightwards to remove it.

13.RESET button

When LCD displays wrongly or some buttons are not available or sound is distorted, use the sharp end of a pointed object to press RESET button to reset the program to zero.

Radio Operation

1. To enter RADIO mode(SRC button or RADIO icon)

   When you use SRC button or source menu (tapping RADIO icon) to enter RADIO mode, it will display radio interface as follows:

* Some icons on radio interface correspond with the buttons on remote control or control panel as follows:

MUTE icon = MUTE button
& icons = VOL- and VOL+ buttons = VOL knob
EQ icon = EQ button
icon : To pop up BLUETOOTH PHONE interface.
icon: To enter source menu.

2. To switch between bands (BAND)

   The BAND icon or button can switch between bands of FM1, FM2, FM3, MW1 and MW2, and the word FM1,FM2,FM3,MW1 or MW2 will be displayed on screen.

3. To search for a station (and icons or v and ^ buttons)

1) Long touching or icon or long pressing v or ^ button on remote control can automatically search down or up for an available station beginning from the current frequency.

2) Briefly touching or icon or briefly pressing v or ^ button on remote control can manually search down or up for a your desired station beginning from the current frequency.

4. To preset and scan all memory stations (APS icon or A/PS buttons)

1) When long touching APS icon or long pressing A/PS button on remote control , the radio searches from the lowest frequency and checks the signal strength level until 1 cycle search is finished, and the 6 strongest stations are preset to corresponding preset number memory bank for the current band.

   The presetting function can be implemented in selected FM or MW band. (It can presets 3x6 stations for FM and 2x6 stations for MW in all)

2) When briefly touching APS icon or briefly pressing A/PS button, the radio scans for each preset station in FM or MW band from NO.1 bank, each preset station broadcasts for 5 seconds. After finishing a circle of scanning, it will resume broadcasting the station in NO.1 bank.

   NOTE: In FM band, FM1,FM2 and FM3 are preset and scaned as one band at a time; In MW band, MW1 and MW2 are preset and scaned as one band at a time.

5. To preset and listen to a memory station(1~6 icons or 1~6 buttons or CH1-6 button)

1) Long touching one of 6 number(1~6) icons or long pressing one of 6 number(1~6) buttons can preset the current broadcasting station of the current band in the number memory bank; .

2) Briefly touching one of 6 number(1~6) icons or briefly pressing one of 6 number(1~6) buttons can listen to the memory station in the current band preset in the number memory bank.

* CH1-6 button:

1)To preset a station in a memory bank with CH1-6 button, first select a desired band; then press CH1-6 button to select a desired memory bank; and then search for a desired station; finally long press CH1-6 button to store the station in the memory bank.

2)To listen to a preset station with CH1-6 button, first switch on a desired band, then continuously press CH1-6 button highlight and listen to it.

6. To switch on between stereo and mono mode (MO/ST button)

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

When the STEREO mode is activated, it can get better audio effect; when the MONO mode is activated, it can get clearer audio signal.

7. To switch on between local and distance mode (LO/DX button)

Press LO/DX button to turn LOC on to tune for local stations with weak interference; Press LO/DX button to turn DX on to tune for distance stations with stronger signal.

8. To search for a RDS station that is broadcasting a typed program (PTY)

Continuously touching PTY icon on touch screen switches between the program types such as: NEWS ...and so on.

After selecting a desired program type, no operation for a while, it displays PTY SEEK and automatically searches for a station that is broadcasting the selected type of program.

If the station that is broadcasting the selected type of program does not exist, it will display NO PTY and return back to the previous normal station.

9. To automatically alternate a stronger signal of frequency for the current RDS station(AF)

During broadcasting a typed program of a RDS station, use the AF icon in the RADIO interface or SEL and VOL buttons to set AF mode on or long press AF button on remote control to switch on AF mode, then AF icon flashes on screen.

After switching on AF mode, the radio checks the signal strength of AF(alternate frequency) all the time. Whenever a new AF is stronger than the current frequency,

It switches over to the AF for a short time, and the AF icon is light on screen(not flash).

* In FM mode, when switching on AF mode, the radio auto searches for or preset only those RDS stations.

* In FM mode, when switching on AF and TA modes, the radio auto searches for only those RDS stations broadcasting traffic announcement.

10. REGION mode

use the RDS page of the SETUP MENU or the SEL and VOL buttons to set REGION mode on or off.

In REGION on mode, when switching on AF mode, the radio can't switch over to those AF stations which have a different regional program content.

In REGION off mode, when switching on AF mode, the radio can switch over to those AF stations which have a different regional program content.

11. PI mode

use the RDS page of the SETUP MENU or the SEL and VOL buttons to set PI SOUND or PI MUTE mode.

In PI SOUND mode, when switching on AF mode, if a car cruises that critical area back and forth, an oscillation phenomenon can be occurred, because the different PI code can be receive from a same AF. when the different PI sound (DIP) is heard once in a while, the different PI sound will be heard for less than 1 second.

In PI MUTE mode, when switching on AF mode and under above same situation, a mute sound will be heard for less than 1 second.

12. To automatically search for traffic announcements (TA)

In any mode, use the TA icon or SEL and VOL buttons to set TA mode on or long press TA button on remote control to switch on TA mode, then TA: ON will display on screen for a while and begin to search for those RDS radio stations transmitting traffic announcement.

When an RDS radio station transmits traffic announcement and is received by the radio, temporarily switch the current work source to an RDS radio station broadcasting traffic announcement, and TRAFFIC will be displayed on screen.

When the traffic announcement is over, it will return back to previous work source.

Bluetooth Operation

1. Pairing and Connecting

Prior to using the bluetooth device named “SSL DD889B” as a handfree system for a bluetooth-enabled mobile phone for the first time, you must pair and connect as follows:

* Prior to pairing and connecting, when displaying No Video interface of radio, CD, AUX IN or Bluetooth music, the logo Bluetooth flashes in the touch screen.

* During using the Bluetooth device named SSL DD889B as a handfree system for a bluetooth-enabled mobile phone, place the bluetooth-enabled mobile phone in 3 meters from the Car A/V System;

1) Long press PAIR button on remote control to enter pairing mode and flash the logo of the Bluetooth with blue frame(pressing BAND button can exit pairing mode).

2).Switch on the bluetooth mode of your mobile phone; then select the item to find a bluetooth device and enter it; When it finds the bluetooth device of the car A/V system, the name SSL DD889B will be displayed, select it and enter it; then it will show an interface that asks you to input a password, input 8888 and enter it; then it will pair and connect with the bluetooth device SSL DD889B of the car A/V system, Confirm it, then the frame of the bluetooth logo will be filled by blue color and they are light all the time.

* When finishing pairing and connecting, the audio of the mobile phone transfers to the car audio system whenever a call is made or received or the mobile phone plays music.

2. BLUETOOTH PHONE

1) Make a call

(1) Dial with mobile phone directly;

(2)Dial with the controls on BLUETOOTH PHONE interface or on remote control or on control panel

a. Long press button on remote control or touch icon to pop up BLUETOOTH PHONE interface as follows:

: Same as MUTE button.

& : Same as VOL+ and VOL- or VOL knob.

b. Use the number icons or buttons to input your desired phone number;

* When inputting a wrong digit, use icon or < button to delete it.

c. After finishing inputting, touch icon or press button on remote control to dial out.

2) Redial last dialed phone number

Touch icon or long press button on remote control to dial out the last dialed phone number.

3) Answer a call

During an incoming call, the incoming telephone number displays in the the BLUETOOTH PHONE interface. If you want to receive it, touch icon or press button on remote control; if you want to reject it, touch icon or press button on remote control.

4) End a call

When ending a call, touch icon or use button.

5) Switch the audio between the unit and your device

During phone talking using the bluetooth handfree system of the car A/V system, if you want to change the phone audio to your mobile phone, touch icon or press button on remote control.

During phone talking using the mobile phone, if you want to change the phone audio to the the car A/V system again, use button.(only for some mobile phone)

6) Adjusting the volume during a call

During phone talking, use and icon or VOL knob or VOL+ and VOL- buttons to adjust volume level; use icon or MUTE button to mute sound.

* *** / # icons and buttons**

they perform as * / # buttons on mobile phone.

3. BLUETOOTH MUSIC

1) Touching BLUETOOTH MUSIC on source menu or pressing SRC button can pop up BLUETOOTH MUSIC interface as follows:

and icons = VOL- and VOL+ buttons = VOL knob

MUTE icon = MUTE button

EQ icon = short pressing EQ/LOUD button

icon : Popping up BLUETOOTH PHONE interface(after pairing and connecting a mobile phone with Bluetooth function).

icon = button

icon = button

and icons = and button

icon: To enter source menu.

TA icon : To switch TA mode on or off.

AF icon : To switch AF mode on or off.

2) When using your mobile phone with the bluetooth function to play audio/video, if it is paired and connected to the unit, the audio of the mobile phone will change into the car A/V system.

The SSL(DD889B) supports A2DP, which enables the user to stream audio from their device

3) The Bluetooth device of the car A/V system supports AVRCP, so these icons on the BLUETOOTH MUSIC interface except Bluetooth Music and their corresponding buttons on control panel or on remote control are available for audio playback of your mobile phone during playback. But no fast forward/backward functions for / icon and / buttons, and the function of resume playback after pausing or stopping is available only for some mobile phone.

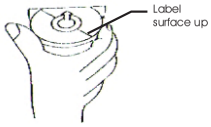
* If you don't want to use the Bluetooth function of the car A/V system , long press SEL button to display BT, then use VOL knob or VOL+ and VOL- buttons to switch Bluetooth off .

Disc/USB/SD Operation

1. Loading or unloading a Disc, USB or SD

1.1_Loading a Disc, USB or SD

To play files in a disc, press OPEN button on control panel to flip down the control panel, then insert a disc with label surface up into disc slot, then flip up the control panel and attach onto chassis till hear a click sound, finally it will automatically play.



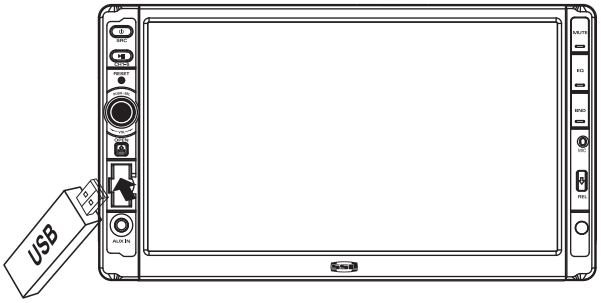
* **Handling Discs**

1) Handle a disc by its edge, do not touch the surface of play side.

2) Before inserting a disc, wipe the disc outwards from the disc center with a clean, soft, dry, lint-free cloth. Do not use solvents /thinner such as petrol/benzine, cleaner.

3) After ejecting a disc, place the disc inside of a disc case.

USB: To use a USB function, open the port cover, insert the USB flash drive and the unit will begin to play the files automatically.



SD: To use a SD function, remove the control panel, insert the SD card. Re-attach the control panel and the unit will begin to play the files automatically.

1.2 Unloading a Disc, USB or SD

To unload the disc in disc slot, use STOP button to stop playback and then press OPEN button to flip down the control panel, then press EJECT button to eject disc, then remove it.

To remove the USB flash drive or SD card, press STOP and you may now remove the respective media.

* During MP3/WMA playback, the information of file, folder, title, artist and album will be scrolling on LCD display. As long as the current playing MP3/WMA music contains relevant ID3 tag information in version 1.0/2.0 format, the 3 items underlined above will be scrolling on LCD display; otherwise, they will not.

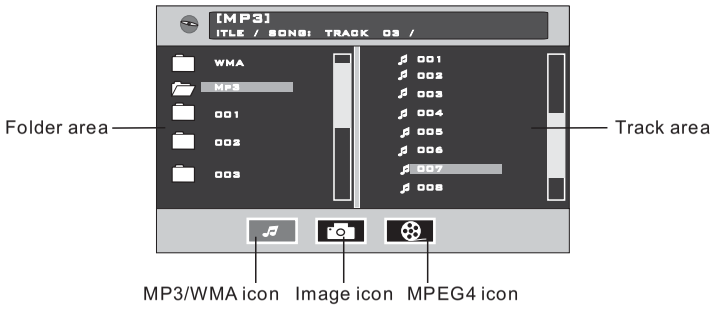
* There is ESP function for all formats of discs.

2. Function Icons

2.1 Function Icons-board of Digital Video/CD(Video)/MPEG4/Image/MP3/WMA

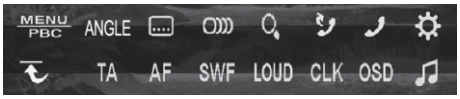
During Digital Video/CD(Video)/MPEG4/Image playback, tapping any place on touch screen can pop up Function Icons-board 1 as next page, then tap icon to pop up Function Icons-board 2 as next page.

During MP3/WMA playback, tapping any place except folder area, track area and MP3/WMA&Image&MPEG4 icons can pop up Function Icons-board 1 same as one of Digital Video/CD(Video)/MPEG4/Image, then tap icon to pop up Function Icons-board 2 same as one of Digital Video/CD(Video)/MPEG4/Image.



The Function Icons-boards display as follows:

Function Icons-board 1



Function Icons-board 2

* Some icons on the Function Icons-boards descript as follows:

: Same as MUTE button.

: Same as VOL- button or rotating VOL knob with anti-clock wise.

: Same as VOL+ button or rotating VOL knob with clock wise.

: Poping up source Menu.

: Poping up Function Icons-board 2.

: To redial the last dialed number.

: To pop up BLUETOOTH MUSIC interface.

: Same as EQ button.

CLK : Same as CLK button.

LOUD : Same as long pressing EQ button.

SWF : Same as SW button.

: Poping up Function Icons-board 1.

AF : To switch AF mode on or off.

TA : To switch TA mode on or off.

2.2 CD interface

During CD playback, the CD interface displays as follows:

* Some icons on the CD interface descript as follows:

: Poping up source Menu.

: Same as VOL+ button or rotating VOL knob with clock wise.

: Same as VOL- button or rotating VOL knob with anti-clock wise.

MUTE : Same as MUTE button.

EQ : Same as EQ button.

: To pop up BLUETOOTH PHONE interface.

AF : To switch AF mode on or off.

TA : To switch TA mode on or off.

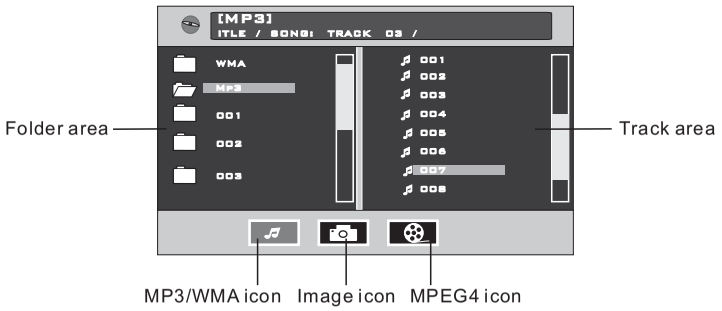
3. Function of controls on the touch screen/main unit/remote control

1. ▶II icon or button
   During playback, use it to pause playback; in pause mode, use it to resume playback.

   In CD interface, the icon displays as ▶ .

2. ■ icon or button
   During Digital Video/CD(Video)/CD/MP3/WMA playback, tapping or pressing it pre-stop or pause playback; in pre-stop or pause mode, use ▶II icon or button to resume playback.
   During playback, tapping or pressing it twice to fully stop playback; in fully stop mode, use ▶II icon or button to start playback from the beginning of the media.

   During MPEG4/image playback, use ■ icon or button to display root menu as follows:



   During MP3/WMA playback, the root menu above displays all the time.

   When displaying root menu, use < or > button to highlight the current chapter/track, the current folder or the kind icons.

* If there are no track/chapter for a kind icon, you can't highlight the kind icon.

   When highlighting a kind icon, press ENTER button to enter it.

   When highlighting the current folder, use v or ^ button to highlight other folders and then press ENTER button to enter it.

   When highlighting the current track, use v or ^button to highlight other tracks and then press ENTER button to play it.

* For image, after highlighting a track, press ENTER button to display only the highlighted track; press >|| button to display all tracks step by step from the highlighted track.

* Tapping folder icon, track icon or kind icon can execute the operation above.

3. ◀◀ / ▶▶ icons or buttons
   During playback, continuously tapping ◀◀ or ▶▶ icon or continuously pressing ◀◀ or ▶▶ button can fast backwards or forwards at the following multiple of normal

speed: x2, x4, x8, x20, x1.

During fast playback, use icon or button to resume normal playback.

For image files, no this function.

4. / icons or buttons
During playback, use one of them to play previous or next chapter/track.

5. Number buttons
During Digital Video/CD(Video)(PBC OFF)/MPEG4/Image/CD/MP3/WMA playback, use number buttons to input chapter/track SN. , then it will play or display it.

To input a chapter/track with an SN that is equal to or bigger than 10, use the +10 button to input the digit in tens place and then use 0-9 button to input the digit in units order.
I.e. +10 ~ 1 = 11 (number 11 chapter/track will be displayed/played.)

During CD(Video) playback, when it is in PBC ON mode, the number buttons are disabled.

6. MENU PBC icon and MENU button
During Digital Video playback, use MENU icon or button to display the current chapter list, then use direction buttons to select your desired chapter and then press ENTER button to play it.

For CD(Video), the MENU function is disabled, track list is displayed on the monitor screen by pressing TITLE/PBC button or tapping MENU PBC icon.

For MPEG4/image, MENU button and MENU PBC icon are disabled, root menu is displayed on the monitor screen by pressing button or tapping icon.

For MP3/WMA, MENU button and MENU PBC icon are disabled, root menu displays on the monitor screen all the time. Root menu of MP3/WMA is same as the one of MPEG4/image.

For CD, the MENU function is disabled.

7. MENU PBC icon and TITLE/PBC button
During Digital Video playback, use TITLE/PBC button to display title list; then use direction buttons to select your desired title and then press ENTER button to open the chapter list of the title; then use direction buttons to select your desired chapter and then press ENTER button to play.

* You can also tap a desired title and then chapter to play.

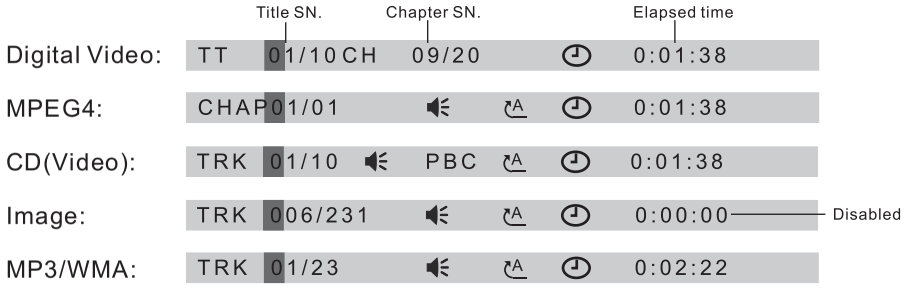
During CD(Video) playback, use MENU PBC icon or TITLE/PBC button to switch PBC mode on or off. When PBC mode is switched on, it will play from the beginning of media till it displays a track list. When a track list is displayed, use the number buttons to select your desired track to play.

For MP3/WMA/MPEG4/image, MENU PBC icon and TITLE/PBC button are disabled.

For CD, the TITLE/PBC button is disabled.

8. GOTO icon and GOTO button
For Digital Video/MPEG4/CD(Video)/image/MP3/WMA, you can use GOTO, ⬅,➡, number and ENTER icons or GOTO, <, >, number and ENTER buttons to select a chapter/track or from a playback time point to play.

During playback, tap GOTO icon or press GOTO button to display changeable playback information bar as follows:



* During playback, tapping GOTO icon can also display the Goto Function icons-board as follows:

When displaying the changeable playback information bar, use ⬅ / ➡ icon or < or > button to highlight title SN.(only for Digital Video) , chapter/track SN. or elapsed time of current chapter/track(disabled for image).

When highlighting title SN. or chapter/track SN. , use number icons or buttons to input desired SN. of title or chapter/track, then use ENTER icon or button to play the selected chapter/track.

When highlighting elapsed time of current chapter/track(disabled for image), use number icons or buttons to input desired playback time point for the playback time of the whole media for Digital Video/CD(Video) and of the current chapter/track for MPEG4/MP3/WMA, then use ENTER icon or button to play from the playback time point.

For CD, GOTO button is disabled.

9. Q icon or ZOOM button
During Digital Video/CD(Video)/MPEG4/image playback, use Q icon or ZOOM button to switch zoom mode between ZOOM 2, ZOOM 3, ZOOM 4, ZOOM ½, ZOOM 1/3, ZOOM 1/4 and ZOOM OFF.

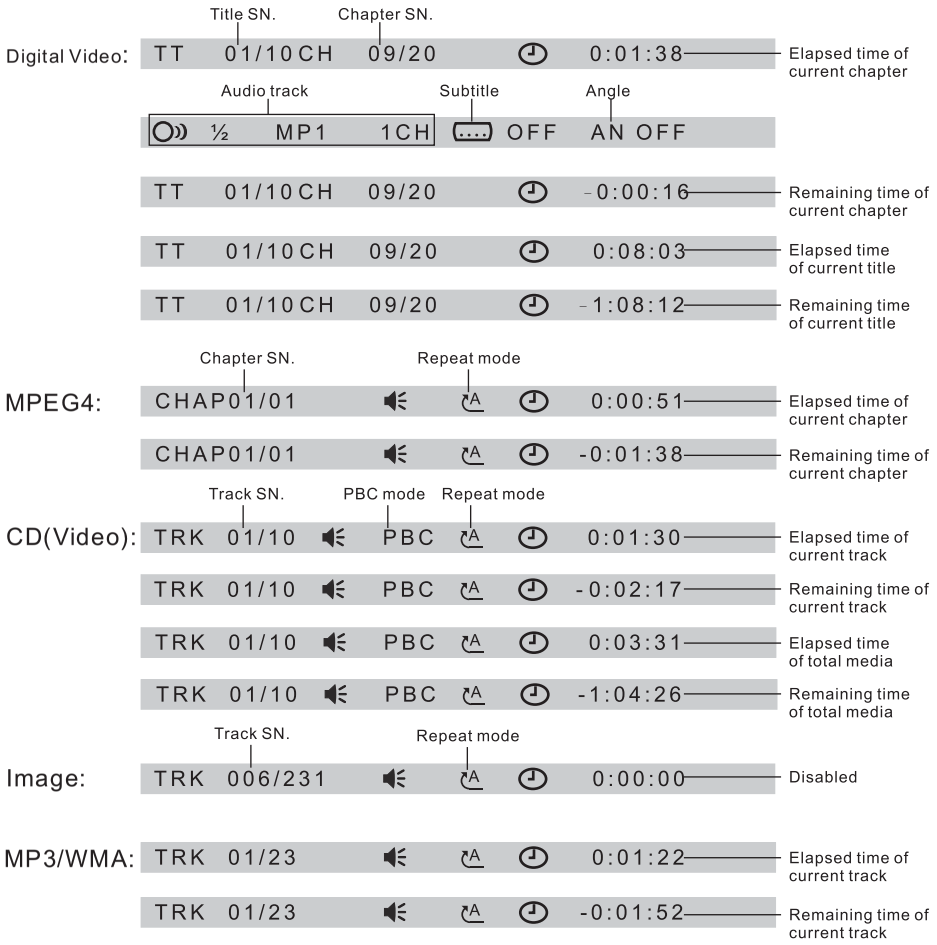
When zooming in video/image, use direction buttons to move video/image upwards, downwards, rightwards or leftwards.

When not zooming in image, direction buttons can switch on 4 fixed rotated angles between >=90 deg cw, <=90 deg ccw, ^=UP-DOWN and LEFT-RIGHT.

For MP3/WMA, icon and ZOOM button are disabled.

For CD, the ZOOM button is disabled.

10. OSD icon or button
During Digital Video/CD(Video)/MPEG4/Image/MP3/WMA playback, use OSD icon or button to display playback information bar as bellows:



For CD , OSD button is disabled.

11. icon or REPEAT button
During Digital Video playback, use icon or long press RPT button to switch repeat mode between REP CHAPTER, REP TITLE, REP ALL and REP OFF.

During CD(Video)(PBC OFF)/CD playback, use icon or long press RPT button to switch repeat mode between REP 1, REP ALL or REP OFF.

During MP3/WMA/MPEG4/image playback, use icon or long press RPT button to switch repeat mode between REP1,REP FOLDER(or DIR),REP ALL or REP OFF.

During CD(Video)(PBC ON) playback, icon and RPT button are disabled.

12. icon or RDM button
During Digital Video/CD(Video)(PBC OFF)/CD/MP3/WMA playback, tapping icon or long pressing RDM button switches random mode on or off.

For MPEG4/image/CD(Video)(PBC ON) playback, icon and RDM button are disabled.

13. icon or INT button
During CD(Video)/CD playback, tapping icon or long pressing INT button switches intro mode on or off.

For Digital Video/MP3/WMA/MPEG4/image, icon and INT button are disabled.

14. icon or button
During Digital Video playback, use icon or button to switch between audio tracks (depending on the current playing media).

During CD(Video)/CD playback, use icon or button to switch audio channels between MONO L, MONO R, MIX MONO and STEREO.

For MPEG4/MP3/WMA/image, icon and button are disabled.

15. icon or button
During Digital Video playback, use icon or button to switch subtitle languages on or off(depending on the current playing media).

For CD(Video)/MP3/WMA/MPEG4/image, icon and button are disabled.

For CD, the button is disabled.

16. ANGLE icon or button
During Digital Video playback, use ANGLE icon or press ANGLE button to play in different angles (depending on the current playing media).

For CD(Video)/MP3/WMA/MPEG4/image, the ANGLE icon and button are disabled.

For CD, the ANGLE button is disabled.

17. icon or SETUP button

Use icon or SETUP button to enter Media Setup Menu for setting up all media parameter values.

Use icon or SETUP button to display Media Setup Menu(the default page is SYSTEM SETUP);

Media Setup Menu has 4 pages in all. When highlighting a page, tap the aim page icon or press > or < button to highlight another page;

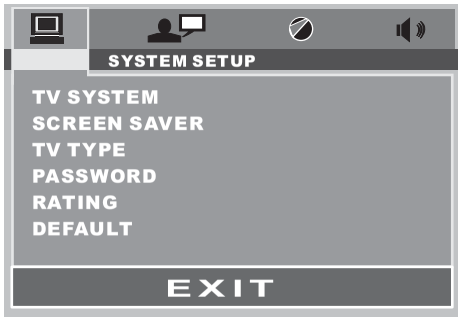
After selecting a page, tapping the aim item icon or press ^ or v button to highlight a setup item in the selected page;

After selecting a setup item, tapping the aim value; or press > button to enter the setup item, then press v or ^ button to select a desired value, finally press ENTER button to confirm it.

After finishing setting, tapping EXIT icon or press SETUP button to exit Media Setup Menu to resume normal playback.

Description of the 4 pages:

1) SYSTEM SETUP



TV SYSTEM

This setup item is for setting up video system in NTSC, PAL or AUTO .

If you set a non-matched video system for playing a video, the playing video will display white-black or flash.

SCREEN SAVER

This setup item is for switching screen saver on or off.

TV TYPE

This setup item is for setting up video display size.

(1) 4:3 PS: Choose this item when connecting a monitor with 4:3 screen. When playing video with 16:9 size, the left and right part of video will be cut out, and video will display in full screen.

(2) 4:3 LB: Choose this item when connecting a monitor with 4:3 screen. When playing video with 16:9 size, the top and bottom part of the monitor screen will be turned into a black square .

(3) 16:9: Choose this item when connecting a monitor with 16:9 wide screen.

PASSWORD

This setup item is for locking or unlocking parental control. The default mode is locked. The default unlocking password is 0000.

To lock or unlock parental control:

(1) Highlight PASSWORD item and then press > or ENTER button to enter it;
(2) Input password 0000;
(3) Press ENTER button to confirm, then it will unlock or lock parental control.

* Remove the section of the PASSWORD of the User Manual to keep this sensitive information confidential.

RATING

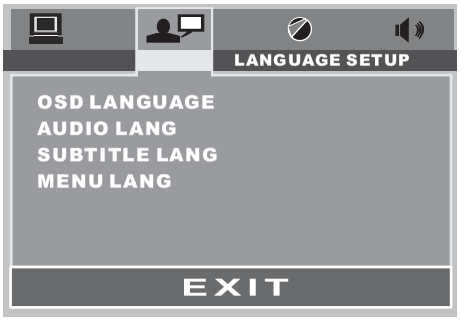
This setup item is for setting a new rating level of parental control.

(1) First highlight PASSWORD item to see whether parental control is locked or not. If it is in locked mode, unlock parental control referring to PASSWORD above.
(2) Highlight RATING item and press > or ENTER button to enter it, then use ^ or v button to select your desired rating level, and then press ENTER button to confirm.
(3) Highlight PASSWORD item again and then press > or ENTER button to enter it, then input password 0000, and press ENTER button to lock parental control again.

DEFAULT

This setup item is to change all parameter back to the default factory values.

2) LANGUAGE SETUP



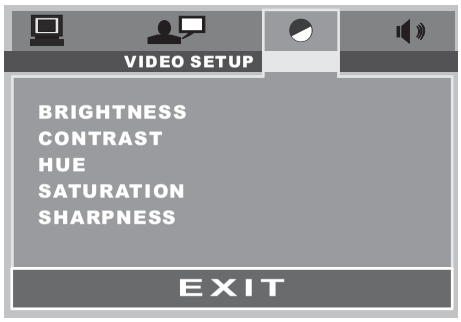
OSD LANGUAGE
This item is for selecting the type of language displayed on the screen except for subtitle language and menu language(depending on current playing media).

AUDIO LANG
This item is for selecting the type of audio language(depending on current playing media).

SUBTITLE LANG
This item is for selecting the type of subtitle language(depending on current playing media).

MENU LANG
This item is for selecting the type of menu language(depending on current playing media).

3) VIDEO SETUP



BRIGHTNESS
For adjusting brightness of video output.

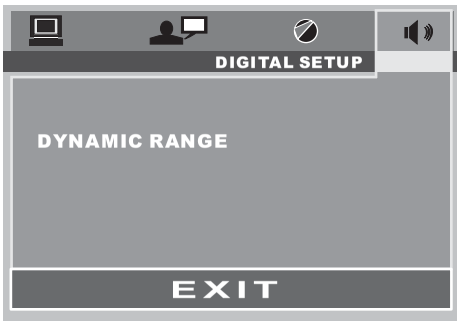
CONTRAST
For adjusting contrast of video output.

HUE
For adjusting hue of video output.

SATURATION
For adjusting saturation of video output.

SHARPNESS
For adjusting sharpness of video output.

4) **DIGITAL SETUP**



DYNAMIC RANGE
This item is for adjusting linear compression ratio. If you set it to FULL, Peak-to-Peak value of audio signal is minimum; if you set it to OFF, Peak-to -Peak value is maximum.

* Region Code

If you insert a disc into the disc slot and REGION ERROR is displayed, the car multimedia system can not play the disc. The reason is that the region codes of the car multimedia system and the used disc do not match each other.

Appendix: Region code of Digital Video

Motion Picture Association of America (MPAA) divided the world into 6 regions, and gave every region a region code for locking and unlocking Digital Video playback.

Basically, a coded Digital Video player can play only the discs if its region code is the same as the code of the Digital Video player. Otherwise, it cannot play the disc.

Please note that only the Digital Video discs and Digital Video players produced by the 8 biggest film-making companies of America impose this restriction. The Digital Video discs and Digital Video players not produced by the 8 biggest film-making companies of America are not restricted by the rule of region code. Generally, they are called Free Region Code or Full Region Code.

The problems caused by area code inconsistency has motivated the production of unlocked version Digital Video players and recodable Digital Video players .

Region codes and the countries or areas represented by region codes are 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.

The 8 biggest film-making companies of America are as follows:

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

* Parental Control

Q: After inserting a Digital Video disc into the disc slot, if a dialogue box pops up and asks you to input a password, what should you do ?

A: The playing disc is locked by a rating level of parental control. If the current rating level of parental control of the Digital Video player is lower than the one of current disc, you must input the correct password of parental control to unlock the parental control and enter a rating level equal to or higher than one of the current disc in order to play the disc.

* For factory preset password of parental control of Digital Video player, please see the part of Media Setup Menu.

Appendix: Parental Control

Parental Control function of a Digital Video player can control playback of movie ratings on a disc. You can set the Digital Video player to be a certain rating level of parental control using the Media Setup Menu. If the rating level of parental control of a disc is higher than the one of the Digital Video player, the Digital Video player cannot play the disc.

The Digital Video movie can be designed so that the Digital Video player can play different versions of content of a particular movie according to the different rating levels of parental control. Depending on the Digital Video features, the scenes that are not suitable for children will be cleared or replaced by suitable scenes automatically.

The rating levels of Parental Control are as follows:

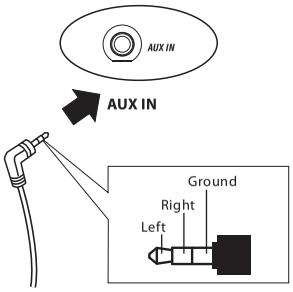
1 Kid Safe
2 G
3 PG
4 PG 13
5 PG R
6 R
7 NC 17
8 Adult

AUX OPERATION

On the front panel of this unit, there is an AUX IN jack, follow the diagram below to connect analogue replay devices(only for the Audio connect, if you want to connect the Video, please plug the <Video input > on the back of the unit .) . Use this jack to replay sound of other replay equipment such as Digital Video players, computers, etc. Via the loud-speakers.

1). Please connect the external device with stereo jack plug the Aux in socket .

AUX IN JACK FRONT PANEL



2). In any mode, press the “MODE” to choose the AUX mode, the message will like following as below :

3). You now hear the sound from the external device played back through the loudspeakers .

4). use the VOL+/- on the front panel to adjust the volume level.

AV Operation

Please plug the <Video input > on the back of the unit .

In any mode, press the “MODE” to choose the AV mode, the message will like following as below :

* The icons on the AUX/AV interface descript as follows:

: Popping up Source Menu.

: Same as VOL+ button or rotating VOL knob with clock wise.

: Same as VOL- button or rotating VOL knob with anti-clock wise.

MUTE: Same as MUTE button.

EQ : Same as EQ button.

AF : Entering AF mode.

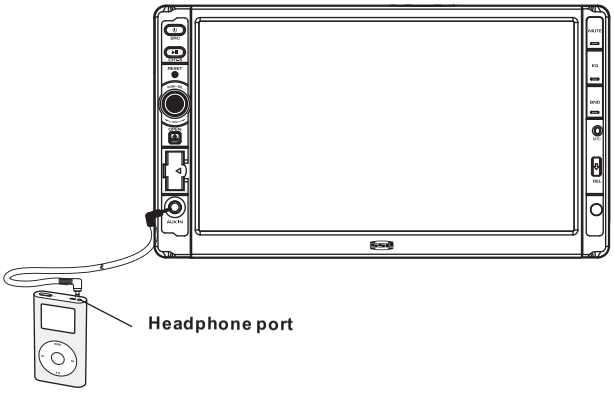
TA : Entering TA mode.

In AUX/AV mode, you can use SEL, +, -, VOL, MUTE, EQ , SW and LOUD buttons or icons to adjust audio and video.

External iPod operation

An external iPod can use the car AV system as a monitor and amplifier.

1. Use the iPod cable to make the car AV system and the external iPod connected through the AUX IN jack on control panel of the car AV system and the headphone port of the external iPod.



2. Play the external iPod, then use SRC button to enter AUX IN mode for the car AV system. By now, the program played by the external iPod can be output through the monitor of the car AV system and the speakers connected to the car AV system.

* The icons on the AUX interface descript as follows:

: Popping up Source Menu.

: Same as VOL+ button or rotating VOL knob with clock wise.

: Same as VOL- button or rotating VOL knob with anti-clock wise.

MUTE : Same as MUTE button.

EQ : Same as EQ button.

AF : To switch AF mode on or off.

TA : To switch TA mode on or off.

3. In AUX IN mode, you can use SEL, +, -, VOL, MUTE, EQ , SW and LOUD buttons or icons to adjust audio and video.

REAR VIEW CAMERA

The car AV system can make you look at the actual status behind your car when you change the gear level to the back position.

1. Use an video cable to make the car AV system and the rear view camera connected through the REAR CAMERA INPUT jack in the rear cabinet of the car AV system and the VIDEO OUTPUT jack of the rear view camera.

   Make the REAR CAMERA SWITCH line in the rear cabinet of the car AV system connected to (B+)12V power supply.

2. When you change the gear level to the back position, the screen of the car AV system will display the actual status behind your car.

* Note : the external monitor can not display the actual status behind your car.

Troubleshooting

Please read the user manual carefully before using the DD889B car A/V system. If you have any difficulty using the DD889B car A/V system, refer to the troubleshooting guide. If you are still unable to resolve the problem after using all the suggestions, please contact your dealer or an authorised service centre .

NO PICTURE, SOUND

* Ensure that the power switch is on.
* Ensure that the power cord is not damaged or the fuse is not blown.

No sound

* Ensure that the player's audio output is properly connected to the speaker's audio input.
* Check whether the audio connector is damaged.
* Check whether you have turned down the volume.
* Ensure that the audio is not in MUTE mode.

BLACK AND WHITE PICTURE OR SCREEN ROLLING

* Ensure that you have set right mode of video system (e.g. PAL, NTSC).

Distorted Picture/Sound

* Check whether disc is scratched or stained.
* Check whether AV connector and output terminal is stained.
* Check whether there is condensation inside the lens. If so, power on the player and do not work for an hour or so, then try again.

No Disc/Bad Disc Displayed

* Ensure that you have inserted a disc into the disc slot.
* Check whether disc is inserted with label side upwards.
* Check whether disc is bent.
* Check whether disc is stained or scratched badly.
* Ensure that disc format is compatible to the player.
* Ensure that temperature inside the car is not too high. If so, cool off until the ambient temperature returns to normal.
* Insert another disc into the disc slot.

Remote Control functions intermittently

* Check whether the lithium cell of the remote control is powerful and working properly.
* Direct the IR emitting window of the remote control to the IR sensor of main unit.
* Check whether there are some obstacles between remote control and main unit.

SOME FUNCTION BUTTONS DO NOT WORK

* Turn off ACC power, then turn on again.
* Reset the unit, then turn on again.
* Remove control panel from chassis, reattach it onto the chassis and then turn it on again.

Intermittent radio reception

* Check whether antenna cable is connected firmly.
* Manually tune for a station.

Specification

General
Power Supply.....DC 12V
Current consumption.....10A MAX.
Maximum Power Output..... 4 x 85W

Audio
Preamp.....Front RCA and Subwoofer Output
Frequency Response.....20 Hz - 20 KHz
S/N Ratio.....90 dB
Wow and Flutter.....Below measurable limits

TFT Monitor
Monitor Screen Size.....7 Inch
Color System.....NTSC/PAL

Disc/USB/SD
Compatible Format.....DVD ± R/RW Video
CD ± R/RW Audio & Video
Color System.....NTSC/PAL

Radio

FM
Frequency range.....87.5 MHz - 107.9 MHz(US)
87.5 MHz - 108.0 MHz(EU)
Usable sensitivity.....15dBu
I.F Frequency.....10.7 MHz

MW
Frequency.....530 KHz - 1710 KHz(US)
522 KHz - 1620 KHz(EU)
Usable sensitivity.....40dBu
I.F Frequency.....450 KHz

Bluetooth:
Bluetooth specification.....Version: 1.2, Class 2
Bluetooth profile support.....HSP, HFP and A2DP & AVRCP profiles
Range.....33 ft (10 m)

NOTE:
Specifications are subject to change without notice.

DD889B