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DD889B

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



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USER'S MANUAL

DD889B

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

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



**To ensure safety while driving
and to comply with laws,
drivers should not watch video or
operate the video device while driving.**

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Precaution

THANK YOU FOR PURCHASING A SOUNDSTORM MULTIMEDIA PLAYER .

Before operating the unit, read this manual thoroughly and keep it handy for future reference .

To avoid injury or accident , read the following precautions before installing and operating the unit .

ON INSTALLATION

- DO NOT install any receiver in locations where;
 - it may obstruct the steering wheel and gearshift lever operations, as this may result in a traffic accident.
 - it may obstruct the operation of safety devices such as air bags, as this may result in a fatal accident.
 - it may obstruct visibility.
- DO NOT operate any receiver while manipulating the steering wheel, as this may result in a traffic accident.
- The driver must not watch the monitor while driving.
- IF THE DRIVER watches the monitor while driving, it may lead to carelessness and cause an accident.
- IF YOU NEED to operate the receive while driving, be sure to look ahead carefully or you may be involved in a traffic accident.
- IF THE PARKING BRAKE is not engaged. " Parking Brake " flashes on the monitor, and no playback picture will be shown.
 - This warning appears only when the parking brake wire is connected to the parking brake system built in the car (refer to the electric connection)

ABOUT THE LIQUID CRYSTAL DISPLAY (LED) PANEL

Do not press on the LED panel on the unit as doing so can distort the picture or cause a malfunction . The picture may become unclear , or the LED panel may be damaged .

NOTES ON CLEANING

- Clean the LED panel with a slightly damp soft cloth.
- Do not use solvents such as benzine, thinner, commercially available cleaners or antistatic spray .
- Do not use alcohol to clean the screen .

If your car was parked in a cold or hot place, the picture may not be clear . The monitor is not damaged . The picture will become clear the temperature in your car becomes normal .

Safety Information

CAUTION:

THIS DIGITAL VIDEO PLAYER IS A CLASS I LASER PRODUCT. HOWEVER THIS DIGITAL VIDEO PLAYER USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE .

HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE DIGITAL VIDEO 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.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.

THIS DEVICE IS INTENDED FOR CONTINUOUS OPERATION.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. Patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macro vision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

REGION MANAGEMENT INFORMATION:

This Digital Video Player is designed and manufactured to respond to the Region Management Information that is recorded on a Digital Video disc. If the Region number described on the Digital Video disc does not correspond to the Region number of this Digital Video Player, this Digital Video Player cannot play this disc.

Disc Note

Disc formats supported by this player

Digital Video	Digital Video	Audio and Video Disc size 12 cm
VCD	VCD	Audio and Video Disc size 12 cm
CD	CD	Audio Disc size 12 cm
MP3	MP3	Audio Disc size 12 cm

Discs which cannot be played with this player

- Digital Video-RAM
- CDV
- CDG

Handling and Cleaning

- Dirt, dust, scratches and warping disc will cause misoperation.
- Do not place stickers or make scratches on discs.
- Do not warp discs.
- A disc should always be kept in its case when not in use to prevent from damaging.
- Do not place discs in the following places:
 1. Direct sunlight
 2. Dirty, dusty and damp areas
 3. Near car heaters
 4. On the seats or dashboard

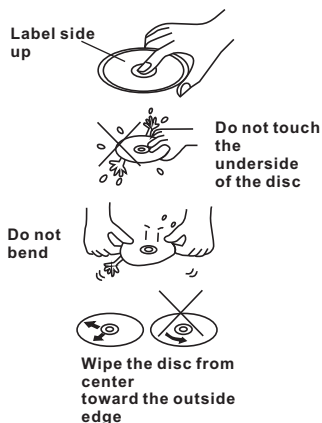
Disc Cleaning

Use a dry soft cloth to wipe the surface. If the disc is quite dirty, use a soft cloth slightly moistured with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.

Note:

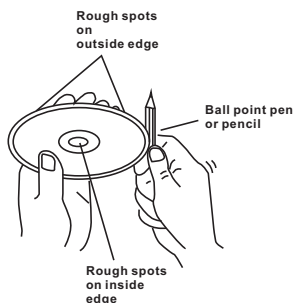
A disc may become somewhat scratched (although not enough to make it

unusable) depending on your handle it and conditions in the usage environment. Note these scratches are not an indication of any problem with the player.



Preparing New Discs with Rough Spots

A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the player will not play the disc. Therefore, remove the rough edges in advance by using a ball point pen or pencil as shown on the right. To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.



Installation

NOTES:

Choose the mounting location where the unit will not interfere with the normal driving function of the driver.

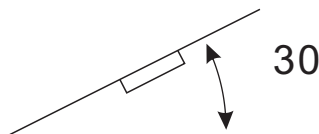
Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and the system work properly.

Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.

Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.

Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.

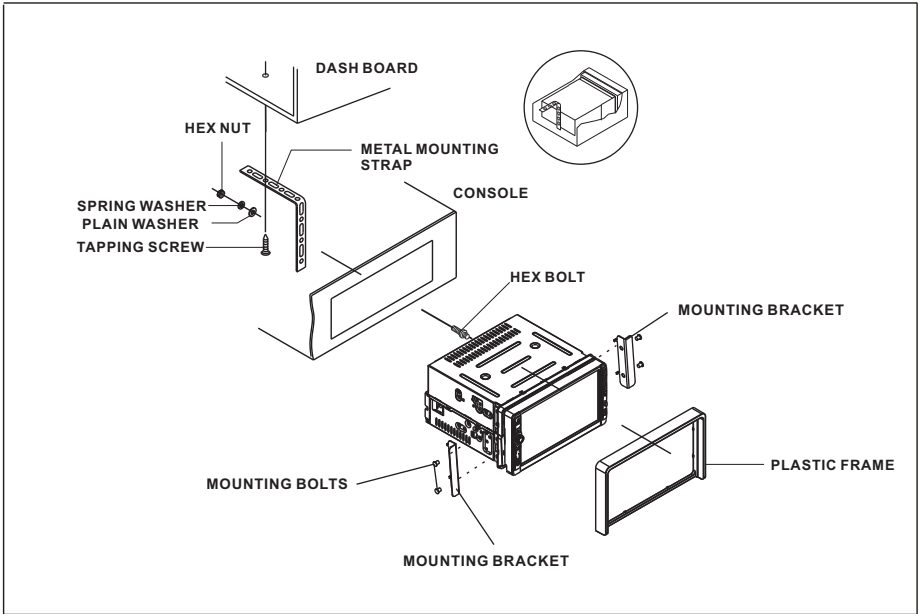
If installation angle exceeds 30 from horizontal, the unit might not give its optimum performance.



Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

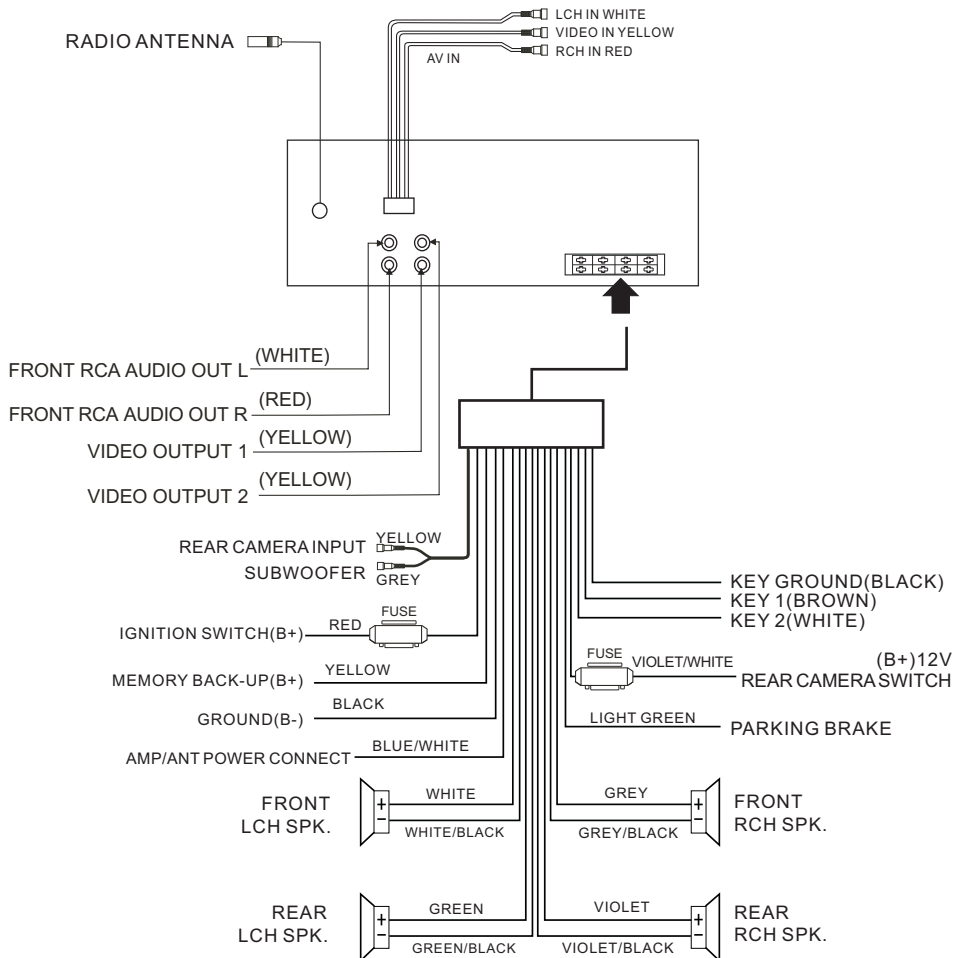
Installation

Installation diagram



Electric Connection

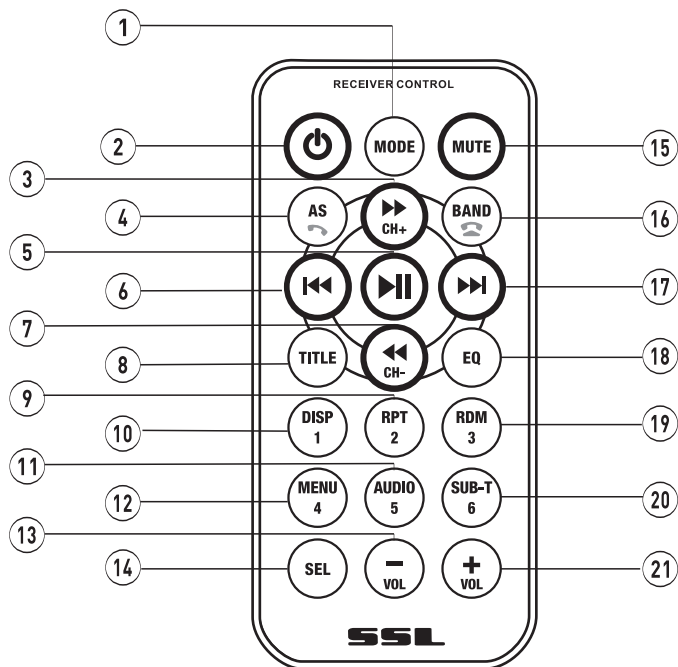
WIRING CONNECTION



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



Ref #	Button	Function
1	MOD	Press it briefly to select a desired work source .
2	⏻	Press this button to turn the unit ON , press and hold to turn the unit OFF.
3&7	⏮/⏭	In Disc Playback mode, press for fast forward or back forward playback. In Radio mode, press to scan step by step.
4	AS/📞	AS function see Scan operation. In BT mode, press to receive a call.
5	PLAY/PAUSE	In Disc Playback mode, press to pause playback. Press again to start where playback stopped.
6&17	⏮/⏭	Press these buttons to skip ahead or back one track.
8	TITLE	When playing a Digital Video, pressing this button will open the TITLE menu which is recorded on the media. When playing a VCD disc, press this button to create a PBC (Playback Control) menu for the disc to assist in making playback selections.
9	RPT/2	Repeat function for media playing; In radio mode, press to select the store station 2.
10	DISP/1	In video playing mode, press to show OSD menu; In radio mode, press to select the store station 1.

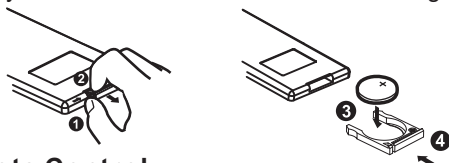
Remote Control

Ref #	Button	Function
11	AUDIO/5	Same operation as audio. In radio mode, press to select the store station 5.
12	MENU/4	Press this button briefly to display the root level directory of a digital video disc. In radio mode, press to select the store station 4.
13&21	VOL +/-	Use these controls to adjust the volume level.
14	SEL	Press the SEL (in radio mode, press and hold the SEL) to switch between BASS, TREBLE, BALANCE, SWF VOL, SWF FREQ. After switching on the desired mode above, rotate VOL knob to set it.
15	MUTE	Press this button to turn off the audio. Press again to restore the sound to its prior volume level.
16	BAND/↻	In Radio mode, press this button repeatedly to switch between the five radio bands: FM1 > FM2 > FM3 > AM1 (MW1) > AM2 (MW2) . In BT mode, press to reject a call.
18	EQ	Press repeatedly to cycle through the different equalizer curve presets you may wish to use for enhanced listening.
19	RDM/3	Random function for media playing; In radio mode, press to select the store station 3.
20	SUB-T/6	In Digital Video Disc Playback mode, pressing this button will allow you to change the subtitle language on discs which have this as an option. In radio mode, press to select the store station 6.

Preparing the Remote Control

Inserting the Battery

1. First push to inside as the direction indicated by the arrow (See ❶) And then Remove the battery holder as the direction indicated by the arrow (See ❷).
2. Replace the battery Set a new battery property with (+) side up as illustrated (See ❸).
3. Insert the battery holder. Push in the holder to the original position (See ❹).



Using the Remote Control

Face the remote control towards the player front face IR mark (remote control signal receiver).



Operation angle: About ± 30 degree in each the direction of the front of the IR mark.

Note :

The lithium cell in the battery compartment of remote control has been secured for transport with a plastic . Before initial use please remove this plastic so that the remote control is ready for operation .





Basic Operation

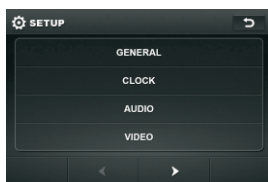
Main Menu Operation

In many modes, touch the  icon or touch the  range to enter the main menu, the message like following as below.

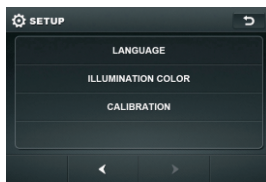


1. POWER icon
In any modes, touch the POWER icon to switch the unit off.
2. When the unit is power on, tap to turn off the display and the unit still work, tap anywhere of the display to turn on the display again.
3. SETUP icon
Touch to enter the SETTING mode, the message will display as follow :

Touch the “  ” section on the setting menu, touch the “  /  ” ranges to select the adjustment item, Touch the “  ” icon to return to the previous playback .

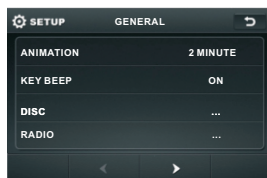


Setup interface 1

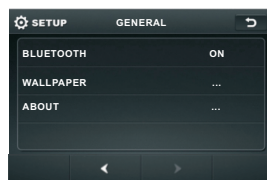


Setup interface 2

ADJUSTABLE ITEMS:



General setup interface1



General setup interface2

ANIMATION

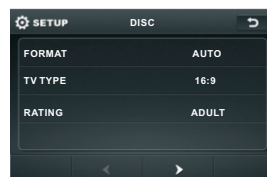
In **RADIO** mode, you can change the playing time of animation among of “OFF, 10S, 30S, 1M, 90S, 2M, 3M and 4M”.

Note:

Please set the playing time of the animation to “**10S**” for the first, when you turn the unit on .

KEY BEEP : ON or OFF.

Disc setup as follow:

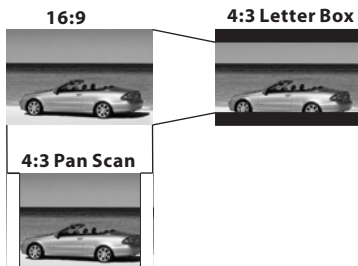


Basic Operation

FORMAT

This player is capable of playing discs recorded in either PAL or NTSC formats. Make the selection based on whether you are connecting the unit to a PAL TV or an NTSC TV. You can also set the unit to AUTO (auto select). The disadvantage to autoselect is that each time you turn the unit on it checks to see what kind of monitor is connected, which causes a small delay and some flickering of the display image which you may find unpleasant.

TV TYPE



This is to select the appropriate TV aspect (4:3 or 16:9) according to the connected TV set.

Normal/PS (For 4:3 TV)

Played back in the PAN & SCAN style. (If connected to wide-screen TV, the left and right edges are cut off.)

Normal/LB (For 4:3 TV)

Played back in LETTER BOX style. (If connected to wide-screen TV, black bands appear at top and bottom of the screen.)

Wide (For 16:9 TV)

Select when a wide-screen TV set is connected.

RATING

Select to turn Parental Control on or off. The factory default password is **1234**. (The password must be used to make changes to the Parental Control menu below.)

Key in "**1234**" and then turn to rating then you can setting as follow:

**KID SAFE -> G -> PG -> PG-13
-> PG R -> R -> NC-17 -> ADULT**

RADIO

ST/MONO: touch to select stereo or mono.

LOCAL: touch to select local or distant.

REGION: touch to select radio frequency.

BT

Touch to select BT function on or off.

WALLPAPER

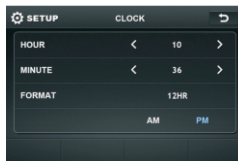
Touch to select wallpaper .

ABOUT

Touch to show the version information.

CLOCK SETUP

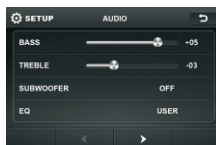
Touch the CLOCK to adjust the time and time format.



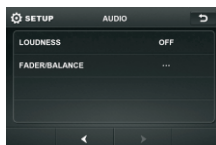
clock setup interface

AUDIO SETUP

Touch the audio to turn to audio quality adjustment.



audio setup interface1



audio setup interface2

Basic Operation

TREBLE: -7 to +7
Adjust treble level .

BASS: -7 to +7
Adjust bass level .

SUBWOOFER: touch to adjust subwoofer volume and frequency.

EQ: touch to select audio mode as follow:
USER -> JAZZ -> CLASSIC -> POP -> ROCK

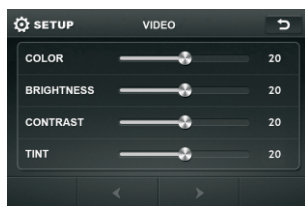
LOUDNESS: touch to select loudness effect as :OFF -> LOW -> MID -> HIGH

FADER/BALANCE:
BALANCE: R 0-10 to L 0-10

Adjust sound balance between left and right speakers .

FADE: F 0-10 to R 0-10
Adjust sound balance between front and rear speakers .

VIDEO SETUP



Video setup interface

COLOR: 0 to 40
Adjust the color for the picture-lighter or darker.

BRIGHTNESS: 0 to 40
Adjust if the picture is too bright or too dark.

CONTRAST: 0 to 40
Adjust the contrast of the bright and dark portion.

TINT: 0 to 40
Adjust the tint if the human skin color is unnatural.

-Adjustable when "NTSC " is selected for "NTSC/PAL " .

LANGUAGE
Touch to select OSD language.

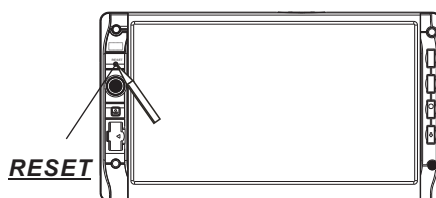
ILLUMINATION COLOR
Touch to select the backlight for all buttons. Tap auto icon the backlight change automatically.

CALIBRATION
Touch the arrow as show to calibration the display.

Reset Factory Settings

RESET button is placed on the housing and must be activated with either a ballpoint pen or thin metal object. The RESET button is to be activated for the following reasons:

- A. Initial installation of the unit when all wiring is completed.
- B. All the function buttons do not operate.
- C. Error symbol on the display.



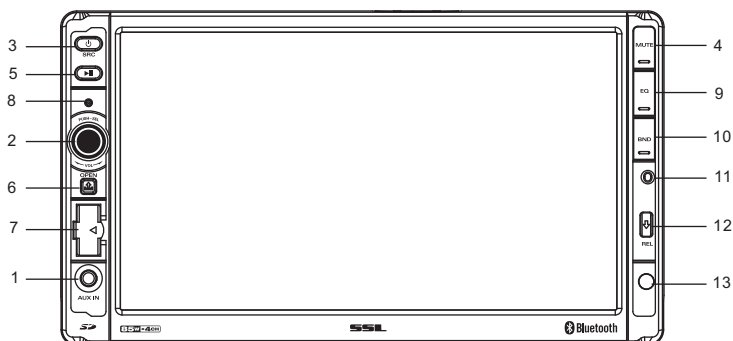
NOTE:
If RESET is selected, all memory data will be deleted, please re-adjust .

Rear View Camera

When connecting the rear view camera the mirror image of the rear view is automatically displayed on the monitor when you change the gear to the back position.
(Note: additional monitor can not display the image.)

Control Panel

Controls on Main Unit



Control Panel



Top Front View Drawing after Flipping down Control Panel

Front View Drawing after Removing Control Panel

1. AUX IN JACK
2. SEL BUTTON and VOL KNOB
3. POWER or SRC BUTTON
4. MUTE BUTTON
5. >|| or CH1~6 BUTTON
6. OPEN BUTTON
7. USB PORT
8. RESET 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

Control Panel

1. AUXILIARY INPUT JACK

Insert an external device to this AUX jack in order to have audio output of the device through the unit.

2. SEL BUTTON & VOL KNOB

In normal mode, the VOL knob is used to increase or decrease the volume.

Press the SEL to switch between BASS, TREBLE, BALANCE, SWF VOL, SWF FREQ.

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

3. /SRC BUTTON

In power off mode, press it to turn on the unit.

In power on mode, short press it repeatedly to select one mode of the RADIO, DISC, USB, CARD, AUX, AV and BT mode; long press it to turn off the unit.

4. MUTE BUTTON

Press it button to switch of the loudspeakers for a short period. The word MUTE flashes in the display. Press it again to cancel the mute function. This function can also be cancelled by rotating the VOL multifunction button.

5. (PLAY/PAUSE) /CH 1-6 (RADIO PRESET)

A) In Disc Playback Mode

Touch this button to pause playback, touch again to resume playback.

B) In Radio Mode

Touch repeatedly to preset station. With this system a total of 30 stations can be stored in the memory. Each band store up to six preset stations. The stations might be FM1, FM2, FM3, AM1 (MW1) and AM2 (Mw2) band.

The operation as below:

-Store in Memory

- > Select the frequency band.
- > Touch repeatedly this range to select the desired memory key.
- > Select the station.
- > Keep the desired memory key touched in until the station is heard again after a brief interruption.

-Retrieve a preset station

Touch repeatedly to retrieve a station which had been stored in the memory in advance the chose number is shown on display.

Control Panel

6. OPEN BUTTON

Press this button to detach the control panel from the chassis .

7. USB PORT

For information about connecting a USB device, please see USB operation.

8. RESET BUTTON

Press this button to return to factory settings.

9. EQ button

To select a desired preset EQ mode as: JAZZ, CLASSIC, POP , ROCK and USER.

10. BAND BUTTON

In Radio mode, press it repeatedly to select the desired radio band: FM1, FM2, FM3, AM1(MW1), AM2(MW2) .

11. MICROPHONE

12. REL BUTTON

Press it to detachable the front panel.

13. IR sensor

14. DISC SLOT

15. ▲ (EJECT) BUTTON

Insert the disc, label side facing up, until the mechanism senses its presence and draws the disc in. Press it to eject the disc.


16. CARD SLOT

Touch Screen Operation


Automatic Memory Storing & Program Scanning




Automatic Preset Setup

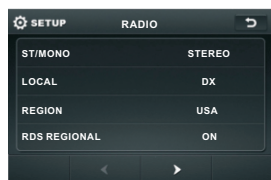
In Radio Mode, touch and keep (for more than 2 ' S) the screen of “  ” range to active automatic station storage. The radio searches within the current frequency band, e.g. FM3, for the stronger signal level until the search cycle has finished . The six strongest stations are then allocated to the corresponding storage locations . Then the station of the first storage location is set .

Scan Function

In Radio mode, briefly touch the “  ” section on the touch screen , the radio briefly plays all the preset stations of the frequency band .

RDS FUNCTION

In home menu, then touch the “  ” ICON to enter the set mode, the message in the display :



ADJUSTABLE ITEMS:

REGION SET

Touch to switch the region area as: EUROPE, USA, AMERICAN 1, AMERICAN 2 and OIRT .

REG FUNCTION

at certain times some stations divide up their programs into regional programs with varying content .

REG ON : the message “REG ON” will appears in the display for a few seconds .
Note :

- the display capacity is limited . It is possible that in the double display mode some segments of the display are deleted .
- the function REG ON prevents the radio from switching to alternative frequency which have a different regional program content .

REG OFF : the program identification(PI) of the regional program is ignored during the search for an alternative frequency (AF) or a program identification (PI) .



Select RDS REGIONAL to turn RDS function on or off.

PI SET

Touch to change between PI MUTE and PI SOUND .

PI MUTE / PI SOUND

(only for radio operation)

If you are in an area where two program identifications (PI) overlap, you can select the option **PI SOUND** and **PI MUTE** for playback of the sound. Alternate switching of the program identification should be avoided .

PI SOUND :

If switching nevertheless occurs the sound of another station is heard for less than one second .

Touch Screen Operation

PI MUTE :

the sound of another station is suppressed .

TA Traffic Announcement

(Priority For Traffic Information)

In Radio mode, touch the cursor button to switch the TA function ON and OFF . When the TA function is activated, the TA symbol appears in the display . During radio operation in one FM frequency band the search for a traffic announcement station is started automatically (TA SEEK) . If an FM station is being received which transmits the latest traffic announcements from time to time, the TP display lights up.

When the TA function is switched on , the FM traffic automatically interrupt CD operation (the word **TRAFFIC** appears in the display).

The volume level is increased to the minimum value for the transmission of traffic announcements. After the traffic announcements has finished, the program that was previously running is resumed.

Interruption of the TA Function:

If you would like to interrupt the current traffic announcement, touch the TA section on screen briefly . This does switch off the TA mode .

AF FUNCTION

(Alternative Frequencies)

In Radio mode, touch the cursor button to switch the AF function ON and OFF .

AF is a function that works with the help of RDS (Radio Data System) and can only be used with FM stations. The radio searches in the background for the best frequency reception of the station that has been tuned into .

Touch the AF section on touch screen or swing and keep the SEL knob in the TA/AF direction for about 2 seconds , the AF function is activated. The AF symbol appears in the display .

When the AF function has been switched on, the radio continuously tests the signal strength of the AF frequency . The test interval for each AF frequency depends on the signal strength of the current station and varies from a few minutes in the case of weak signals. Whenever the new AF frequency is stronger than the station that is currently tuned in , the radio switched to this frequency for a short time for a short time and the message "NEW FREQUENCY " is displayed for one or two seconds.

PTY FUNCTION

In Radio mode, touch screen of "PTY" range to select the Program type .

PTY Selection of the program type

besides the stations name, some FM stations also transmit information on the type of program. This information can be displayed by your car radio .

Examples of such types of program are :
SPORT NEWS POP WEATHER

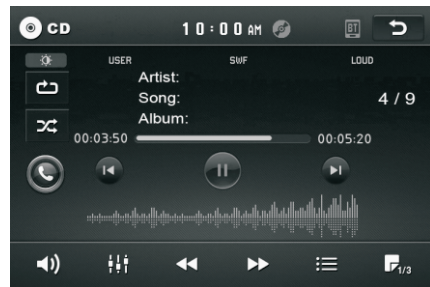
With PTY function you can specifically select stations transmitting a particular type of program. Touch the PTY on screen repeatedly to call up the PTY selection menu. The message "PTY SEEK" then appears briefly in the display . When PTY has been selected the radio start searching for corresponding PTY information and stops when the PTY information has been found, "NO PTY" appears in the display. If the PTY information being searched for no longer exists, the PTY function automatically switches to normal mode .













Touch Screen Operation







Media Operation


In audio play mode, the message will display as below :

(When Parking Brake is applied .)










-  Mute function
-  To select the Equalizer mode
-  Fast forward
-  Fast backward
-  Intro Function
-  To decrease the volume level
-  To increase the volume level
-  Loudness Function
-  Subwoofer Function
-  Turning pre-switching for traffic announcements on and off
-  Switching on and off an Alternative frequency
-  Play/Pause the playing

-  To skip the next track
-  To skip the previous track
-  Repeat Function
-  Random Function
-  Previous menu
-  Tap to turn to BT PHONE mode. (after pairing and connecting a mobile phone with BT function).

In audio play mode, tap  icon to adjust the brightness for the display .

The icons for other mode
(The same icon have the same function in each mode)





-  In PHOTO playing ,tap to change the photo direction.
-  ZOOM IN and OUT.
-  For page turning.
-  For page turning.
-  For page turning.
-  For page turning.
-  For page turning.

Touch Screen Operation




BASIC OPERATION

Pause (still picture)

 Touch the “” section on touch screen during playback will stop play temporary, touch it again to return the normal playback .

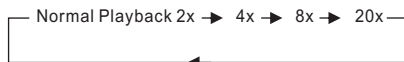


Rapid Forward/Rapid Reverse




 During DISC playback, touch the screen of “ / ” range the speed of rapid forward/reverse changes according to the disc as follow:



Digital Video/VCD/CD/MP3:



Skipping Track


 During DISC playback, Touch the  /  section on the touch screen to skip to next/back one track.







Note :

For some VCD2.0 disc (PBC-playback control), above these buttons may be unavailable .

Zoom Function

 Touch the button repeatedly, the display show as “zoom 2, zoom 3, zoom 4 , zoom 1/2, zoom 1/3, zoom 1/4 , zoom off . ”




Use the keys ( /  /  /  on remote control to move the enlarged picture .

SELECTING PLAY MODES

During the Disc playback, select the “RPT, RDM ” to select your favour play mode.


1). REPEAT FUNCTION

FOR Digital Video :

Tap the  icon or press the RPT button on the remote control to select REPEAT mode as follows :




FOR VCD/CD :

Tap the  icon or press the RPT button on the remote control to select REPEAT mode as follows :




FOR MP3 :


Tap the  icon or press the RPT button on the remote control) to select REPEAT mode as follows :



2). RDM(RANDOM) FUNCTION

During DISC playback, touch screen of “” section (press the RDM button on the remote control to play in random. Each play mode the order is different . (Depend on the disc used for VCD).

Touch it again to cancel this function .

Note : in random mode, the  button is not available .

Touch Screen Operation

ON-SCREEN DISPLAY FUNCTION

OSD



During playback, touch the screen or press the DISP on the remote control, it will display the following as below :

Note: touch the screen or press the DISP on the remote control again to cancel the OSD information.

1. Digital Video , when it is on, it will display the information such as:



2. Example for VCD/SVCD, when it is on, it will display the information such as:



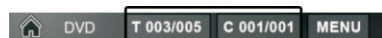
3. Example for Movie or PHOTO . When it is on, it will display the information such as:



DISC Search (GOTO)


FOR Digital Video :

Touch the screen as show :



the screen will display the following message :




Touch  to select the adjustment item, then select the item your favour by touching the numeric buttons , then touch the OK to confirm .

FOR VCD (With PBC OFF) :
Touch the screen as show:



the screen will display the following message :




Touch  to select the adjustment item, then select the item your favour by touching the numeric buttons , then touch the OK to confirm .

For Movie/Photo:
Touch the screen as show :



the screen will display the following message :




Touch  to select the adjustment item, then select the item your favour by touching the numeric buttons , then touch the OK to confirm .

Touch Screen Operation

Digital Video Special Function

1. Multi-subtitle Language Function (for Digital Video Only)



During Digital Video playback. Touch the  icon on touch screen (or press the **SUBT** on the remote) .

Each time the button is pressed or touch, number of the subtitle language changes in sequential order.


Notes:

- The language number is different according to the disc.
- Some discs only contain one subtitle language.
- When no different subtitle language are recorded, "**INVALID KEY**" will be displayed at screen left top corner.

2. Multi-Audio Language Function



For Digital Video:

During Digital Video playback , touch the  icon on touch screen.

Each time the button is touch , number of the audio soundtrack language changes on sequential order.

Notes:


- The language number is different according to the disc.
- Some disc only contain one language soundtrack
- When no different language soundtrack are recorded "**INVALID KEY**" will be display at screen left top corner.

For VCD/CD:

during playback, touch the **AUDIO** section of the touch screen or Press **AUDIO** on the remote . It is possible to switch the sound between monaural and stereo sound.



3. Multi-Angle Function (for Digital Video Only)

During Digital Video playback, touch the  icon on the touch screen . Each time the button is pressed , the number of the angel changes in sequential order .

Notes:

- The angle number is different according to the disc.
- The function only work for disc having scenes recorded at different angles.
- When no different angle are recorded, "**INVALID KEY**" will be displayed at screen left top corner.

4. Title Menu Function

For Digital Video:

If the Digital Video has multiple titles recorded on the disc. It can select preferred title from the title menu to start playback.

- During Digital Video playback, press **TITLE** button on the remote . The title menu is display.
- Select preferred title by the cursor button and confirmed by press the **ENTER** button .

Touch Screen Operation

BT Operation

1. Pairing and Connecting

Prior to using the BT device named SSL DD889B as a hands-free system for a BT-enabled mobile phone for the first time, you must pair and connect them as follows:

- * Prior to pairing and connecting, when displaying No Video interface of radio, CD, AUX IN or BT music, the logo BT flashes in the touch screen.
- * During operation of the device named SSL DD889B as a hands-free system for a BT-enabled mobile phone, place the BT-enabled mobile phone no more than 3 meters from the head unit;


Switch on the BT mode of your mobile phone; then select the item to find a BT device and enter it; When it finds the BT device of the car A/V system, the name SSL DD889B will be displayed, select and enter it; then it will show an interface that asks you to input a password, input 0000 and enter it; then it will pair and connect with the BT device Boss Audio of the car A/V system, Confirm it, then the frame of the BT logo will 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. BT PHONE



In power off mode, a incoming call or call out to wake up this unit and turn to BT hands-free mode, when the phone call ended the unit back to power off mode.

1) Make a call

- (1) Dial with mobile phone directly;
- (2) Dial with the controls on BT PHONE interface or on remote control or on control panel;
- a. Touch the HANDSFREE icon in home menu or touch the  icon during playing to turn to BT PHONE interface as follows:



 : Same as MUTE button.


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

 : Tap to do disconnection.


Touch Screen Operation

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 control panel to dial out.


2) Redial last dialed phone number

Touch  icon to dial out the last dialed phone number.




3) Answer a call

During an incoming call, the incoming telephone number displays in the the BT 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) Switch the audio between the unit and your device

During phone talking using the BT hands-free system of the car A/V system, touch  icon to switch the audio between the unit and your device.

5) Adjusting the volume during a call

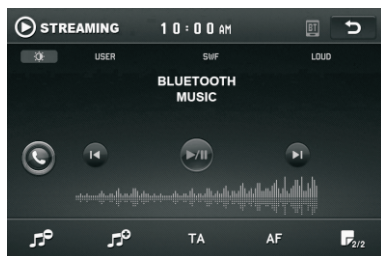
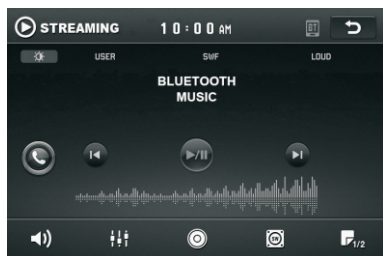
During phone talking, use  and  icon or VOL knob or VOL+ and VOL- buttons to adjust volume level; use  icon or MUTE button to mute sound.

* * / # icons and buttons













they perform as * / # buttons on mobile phone.


3. BT MUSIC

1) Touch STREAMING in home menu or pressing SOURCE button can pop up BT MUSIC interface as follows:





Touch Screen Operation

-  Mute function
-  To select the Equalizer mode
-  To decrease the volume level
-  To increase the volume level
-  Loudness Function
-  Subwoofer Function
-  Turning pre-switching for traffic announcements on and off
-  Switching on and off an Alternative frequency
-  Play/Pause the playing
-  To skip the next track
-  To skip the previous track
-  Tap to turn to BT PHONE mode.(after pairing and connecting a mobile phone with BT function).

In BT music mode, tap  icon to adjust the brightness for the display .

- 2) When using your mobile phone with the BT 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 Boss Audio supports A2DP, which enables the user to stream audio from their device.

- 3) The BT device of the car A/V system supports AVRCP, so these icons on the BT Music interface except BT 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  /  buttons, and the function of resume playback after pausing or stopping is available only for some mobile phone.

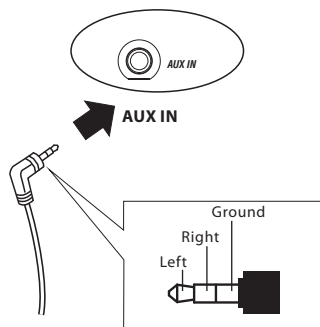
Touch Screen Operation

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 (3.5mm)plug the Aux in socket .

AUX IN JACK FRONT PANEL



2). In radio mode, touch the screen of “” ICON to enter the main menu, touch the “AUX” ICON to enter the AUX IN mode.

In AUX mode, tap to adjust the brightness for the display .



AUX INTERFACE 1



AUX INTERFACE 2

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

The function of the icons as follow:

- Tap to mute the sound.
- Tap to select EQ as the same on the remote control.
- Tap to turn LOUD on or off.
- Tap to select subwoofer frequency.
- Tap to adjust audio volume.
- Turning pre-switching for traffic announcements on and off
- Switching on and off an Alternative frequency
- Tap to turn to BT PHONE mode. (after pairing and connecting a mobile phone with BT function).


Touch Screen Operation

AV Operation

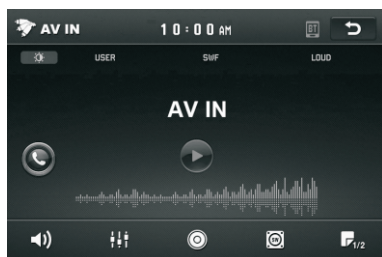
Please plug the <Video input > on the back of the unit .

Touch the AV IN icon to enter the AV IN mode.

In AV mode, tap  icon to adjust the brightness for the display .

As the interface show, here is only the audio output, now tap the  icon, the picture of the auxiliary input video show on the display and tap the display again to turn to audio mode.

Now you can watch the video from your External video equipment such as Digital Video players, computers, etc.



AV INTERFACE 1



AV INTERFACE 2



Tap to mute the sound.



Tap to select EQ as the same on the remote control.



Tap to turn LOUD on or off.



Tap to select subwoofer frequency.



Tap to adjust audio volume.



Turning pre-switching for traffic announcements on and off



Switching on and off an Alternative frequency



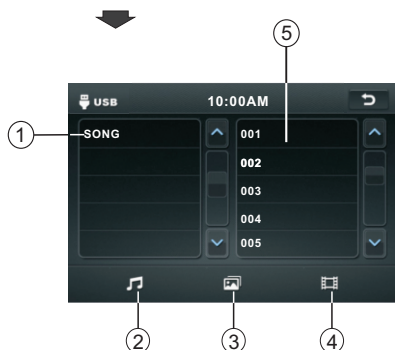
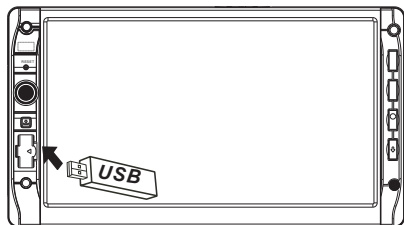
Tap to turn to BT PHONE mode.
(after pairing and connecting a mobile phone with BT function).

Note: To ensure safety while driving and to comply with laws, drivers should not watch video or operate the video device while driving.

Touch Screen Operation

USB OPERATION

Following the diagram below, connect your USB device to the front panel USB port . If it is properly connected, the device will be mounted and start playing automatically.

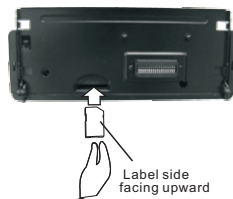


- 1 Current type (highlighted bar) .
- 2 Audio play mode select.
- 3 Picture play mode select.
- 4 Movie play mode select,
- 5 Current play track .

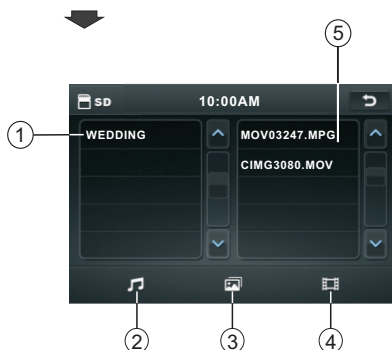
SD OPERATION

The unit can support playback MP3/WMA/ JPEG/MP4 format which are stored on SD memory cards .

Please read the following instructions before you start using a memory card . Inserting the card as follow:



Insert a card, push in till heard a "CLICK", then attach the control panel again to play.




- 1 Current type (highlighted bar) .
- 2 Audio play mode select.
- 3 Picture play mode select.
- 4 Movie play mode select,
- 5 Current play track .


Touch Screen Operation



STEERING WHEEL CONTROL

Touch the SWC icon as follow to turn to steering wheel control .



During setting, touch the  icon to turn to home menu.

Before operation, press the  icon to cancel the original input that to set your favour.

There are 2 KEY for total 12 buttons to save, first, tap Assign to open function save, then select button 1 in KEY 1 on steering wheel and tap the  icon, the icon show in button 1 position then touch Confirm, final exit the SWC mode, the  function will save in button 1 of KEY 1.

The function of the icons as follow:



Touch to begin function save.



After selection touch to confirm operation.



Touch this icon to cancel the input and resume load.



When electric resistance is too low, touch this icon to increase.



When electric resistance is too high, touch this icon to reduce.

Parental Control

* 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:

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

Region Code

* Region Code

If you insert a disc into the disc slot and REGION ERROR is displayed, the car multi-media system can not play the disc. The reason is that the region codes of the car multi-media 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

Specification

General

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

Audio

Signal Output.....	Front and Subwoofer Output
Frequency Response.....	20 Hz - 20 KHz
S/N Ratio.....	90 dB (JIS)
Wow and Flutter.....	Below measurable limits

TFT Monitor

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

Disc/USB/SD

Compatible Format.....DVD/VCD/IMAGE/MP3/WMA/CD

Radio

FM

Frequency range.....EUR (87.5 MHz - 108 MHz)
USA (87.5 MHz - 107.9MHz)
American 1 (87.5 MHz - 108MHz)
American 2 (87.5 MHz - 108MHz)
OIRT(88.1 MHz - 107.9MHz)

Usable sensitivity.....15dBu

I.F Frequency.....10.7 MHz

AM(MW)

Frequency.....EUR (522 KHz - 1620 KHz)
 USA (530 KHz - 1710 KHz)
 American 1(530 KHz - 1710 KHz)
 American 2(520 KHz - 1600 KHz)
 OITR (531 KHz - 1602 KHz)

Usable sensitivity.....40dBu

I.F Frequency.....450 KHz

BT:

BT specification.....	V1.2 Class 2
BT Supported Profiles.....	HSP, HFP and A2DP & AVRCP profiles
Range of frequency.....	2.4GHz Spectrum

NOTE:

Specification and design are subject to modification, without notice, due to improvements in technology.

Troubleshooting

Before going through the check list, check wiring connection. If any of the problems persist after check list has been made, consult your nearest service dealer.

SYMPTOM	CAUSE	SOLUTION
No power	The car ignition switch is not on	If the power supply is properly connected to the car accessory terminal, switch the ignition key to "ACC"
	The fuse is blown	Replace the fuse
Disc can not be loaded or ejected	Presence of disc inside the player.	Remove the disc in the player, then put a new one
	Inserting the disc in reverse direction	Insert the compact disc with the label facing upward
	The disc is extremely dirty or defective	Clean the disc or try to play a new one
	Temperature inside the car is too high	Cool off or until the ambient temperature return to normal
Video/image appears black-white	The color system is set incorrectly	Please switch to correct color system from menu
No video/image appears	The unit is not connected to the parking brake detection switch	Make proper connection according to "wire connection"
	The parking brake is not engaged	For safety reasons no video/ images are displayed while the vehicle is moving. Engaging the parking brake will cause images to be displayed.
No color in picture	The disc format is not according to the TV-set used (PAL/NTSC)	Please choose a proper color system.
JPEG disc can not be played back	No JPEG files are recorded on the disc.	Change the disc
	JPEG files are not recorded in a compliant format	Change the disc Record JPEG files using a compliant application
Unit has become unresponsive	Unit has frozen up	Press the RESET button. Front panel is not properly fixed into its place
The radio does not work	The antenna cable is not connected	Insert the antenna cable firmly
	The signals are too weak	Select a station manually