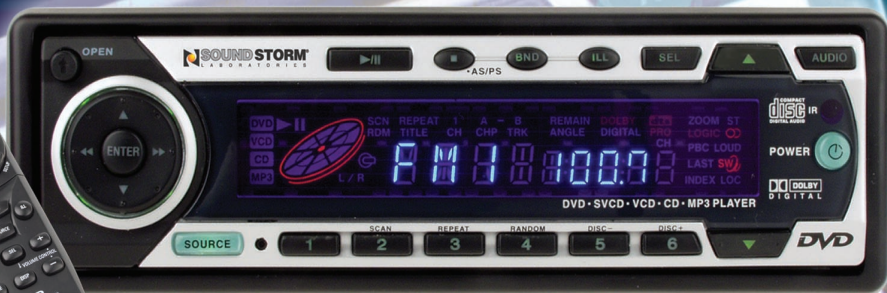




SOUND STORM[®]

L A B O R A T O R I E S



SDVD-250

IN-DASH DVD RECEIVER
DVD/MP3/SVCD/VCD/CDR/RW
AM/FM TUNER
5.1 SURROUND DECODER
WIRELESS REMOTE CONTROL

OWNER'S MANUAL

FEATURES

Compatible with PAL DVD (Video CD) and NTSC DVD (Video CD)

This player can play discs recorded in either PAL or NTSC format.

- A single LSI chip now integrates all major DVD playback circuit functions including MPEG2 decoder, video D/A converter, and audio decoders.
- L/R stereo analog audio outputs (RCA) for connection to existing head unit aux inputs. Video output is composite video (RCA).
- Supplied remote handles multi-function software (multi-language audio-track/subtitle, multi-angle), plus all basic functions.

USE THIS PRODUCT SAFELY

When Driving

Keep the volume level low enough to be aware of road and traffic conditions.

When Car Washing

Do not expose the product to water or excessive moisture. This could cause electrical shorts, fire or other damage.

When Parked

Parking in direct sunlight can produce very high temperatures inside your vehicle. Give the interior a chance to cool down before starting playback.

Use the Proper Power Supply

This product is designed to operate with a 12 volt DC, negative ground battery system (the regular system in a North American car).

Protect the Disc Mechanism

Avoid inserting any foreign objects into the slot of this player.

Failure to observe this may cause malfunction due to the precise mechanism of this unit.

Use Authorized Service Centres

Do not attempt to disassemble or adjust this precision product. Please refer to the Service Centre list included with this product for service assistance.

For Installation

The unit should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°.

DOLBY DIGITAL

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SAFETY INFORMATION

CAUTION:

MOBILE DVD PLAYER IS A CLASS I LASER PRODUCT. HOWEVER THIS MOBILE DVD PLAYER USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE MOBILE DVD 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 Macrovision 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

Region Management Information:
This Mobile DVD Player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this Mobile DVD Player, this Mobile DVD Player cannot play this disc. The Region number for this product is "2" and "ALL".

DISC NOTES

Disc formats supported by this player



DVD
12 cm disc/8 cm disc
(Single-sided disc only)



Video CD
12 cm disc/8 cm disc



CD
12 cm disc/8 cm disc

Discs which cannot be played with this player

- DVD-ROM
- DVD-R/DVD-RAM
- CD-ROM
- CDV
- CD-G
- Photo CD
- DVD with a Region number other than "2" and "ALL"

Handling and Cleaning

- Dirt, dust, scratches and warping disc will cause malfunction.
- 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

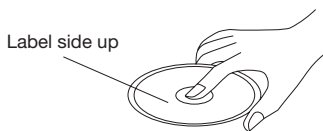
Disc Cleaning

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.



Label side up



Do not touch the underside of the disc



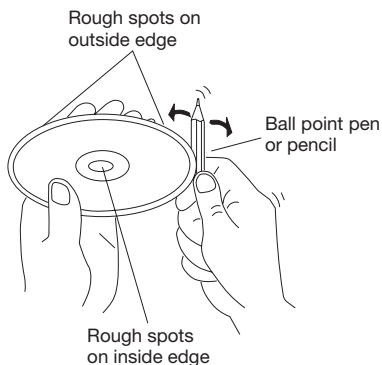
Do not bend



Wipe the disc from center toward the outside edge

Preparing New Discs with Rough Spots

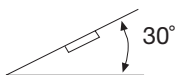
A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the player will not play the disc. Therefore, remove the rough edges in advance by using a ball point pen or pencil as shown on the right. To remove the rough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



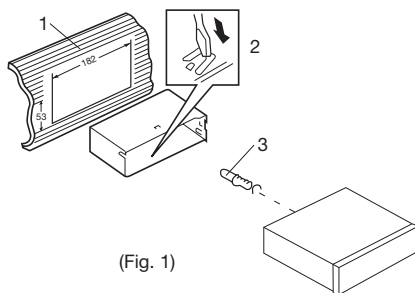
- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

DIN FRONT/REAR-MOUNT

This unit can be properly installed either from "Front" (conventional DIN Front-mount) or "Rear" (DIN Rear-mount installation, utilizing threaded screw holes at the sides of the unit chassis). For details, refer to the following illustrated installation methods.

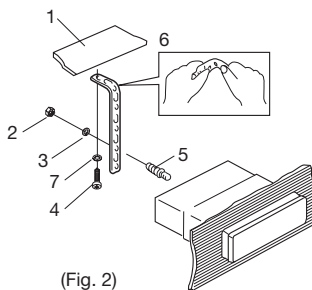
DIN FRONT-MOUNT (Method A)

Installing the unit



(Fig. 1)

1. Dashboard
2. Mounting Bracket
After inserting the mounting bracket into the dashboard, select the appropriate tabs according to the thickness of the dashboard material and bend them outwards to secure the bracket in place.
3. Screw



(Fig. 2)

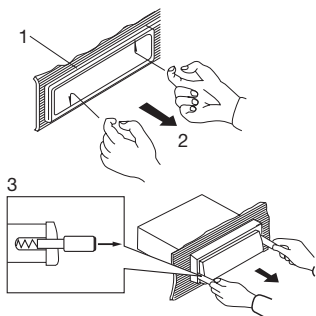
1. Dashboard
2. Nut (5mm)
3. Spring washer
4. Screw (5 x 25mm)
5. Screw
6. Strap

Be sure to use the strap to secure the back of the unit in place. The strap can be bent by hand to the desired angle.

7. Plain washer

INSTALLATION

Removing the unit



1. Frame
2. Insert fingers into the groove in the front of frame and pull out to remove the frame. (When reattaching the frame, point the side with a groove downwards and attach it.)
3. Lever
Insert the levers supplied with the unit into the grooves at both sides of the unit as shown in figure until they click. Pulling the levers makes it possible to remove the unit from the dashboard.

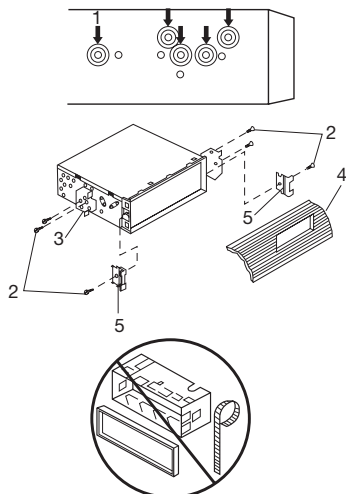
Fastening the unit to the factory radio mounting bracket.

1. Select a position where the screw holes of the bracket and the screw holes of the main unit become aligned (are fitted), and tighten the screws at 2 places on each side.
Use either truss screws (5 x 5mm) or flush surface screw (4 x 5mm), depending on the shape of the screw holes in the bracket.
2. Screw
3. Factory radio mounting bracket
4. Dashboard or Console
5. Hook (Remove this part)

Note: The mounting box, outer trim ring, and half-sleeve are not used for method B installation.

DIN REAR-MOUNT (Method B)

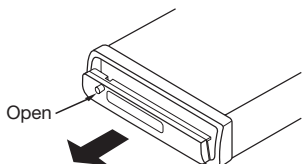
Installation using the screw holes on the sides of the unit.



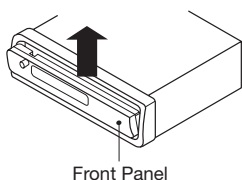
USING THE DETACHABLE FRONT PANEL

To Detach the Front Panel

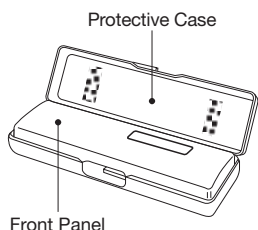
1. Press the OPEN button and the front panel will drop down.



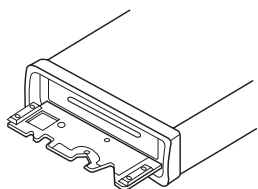
2. Remove the front panel by grasping it in the middle and pulling toward you.



3. For safekeeping, store the front panel in the supplied protective case immediately after being removed.

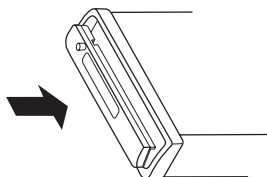


4. Push the front metal plate into the main body. A 'click' sound should be heard.



To Reinstall the Front Panel

1. Push the front panel into the main body. A 'click' sound should be heard.

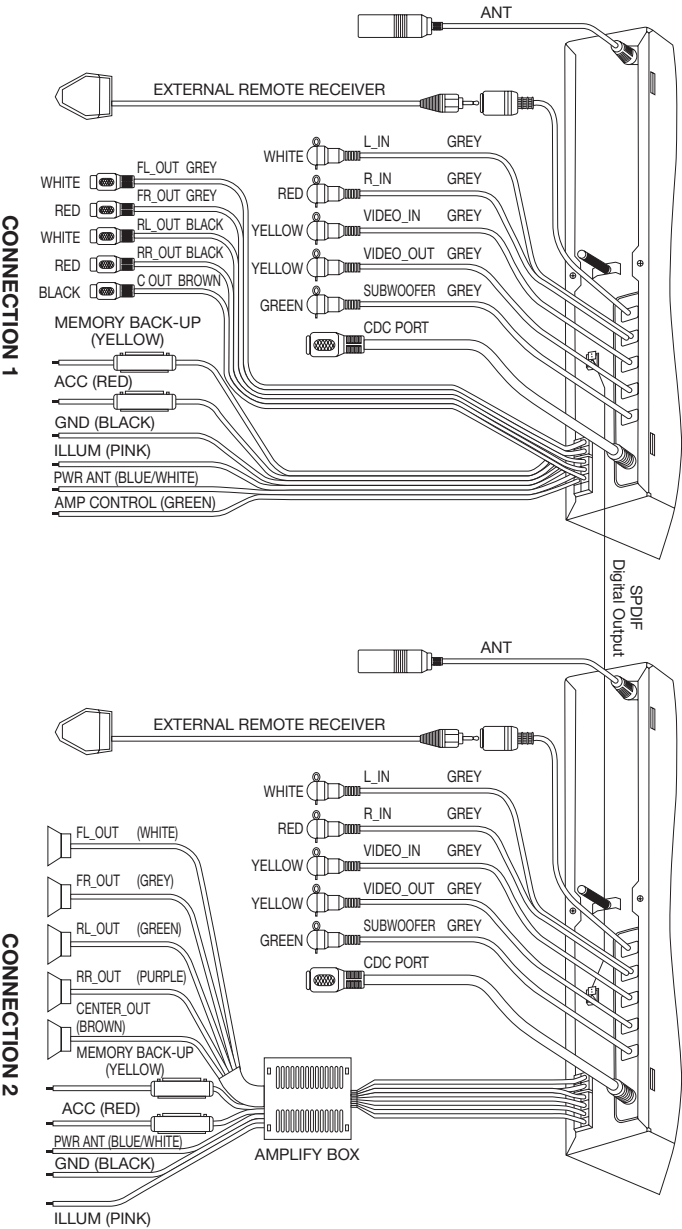


2. Note that if the front panel fails to lock in position properly, press control button may not function and display may be missing some segments. Pressing the OPEN button and then reinstall the front panel again.

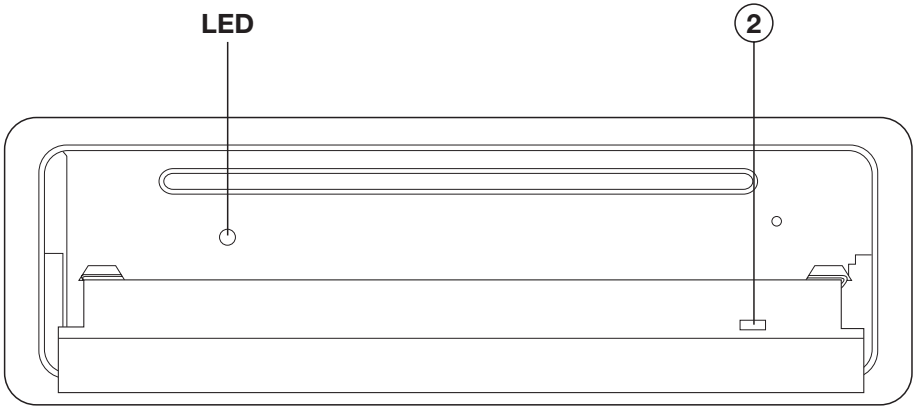
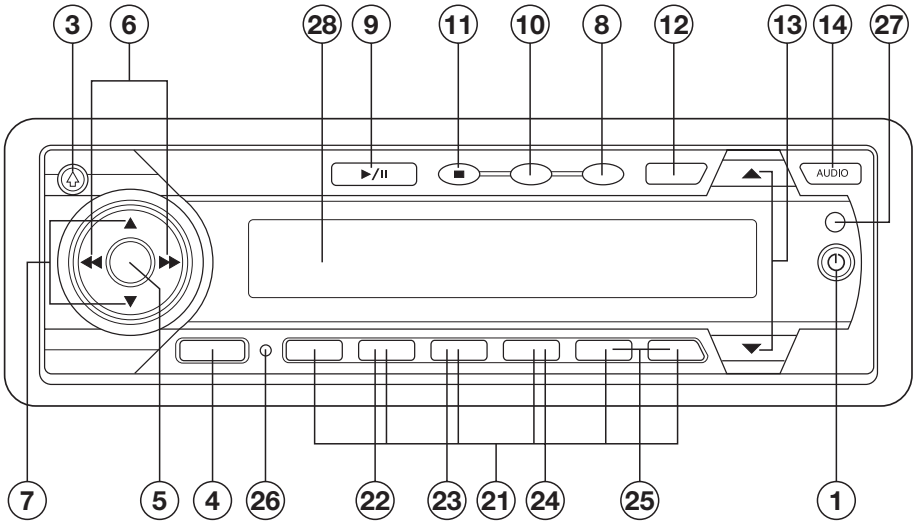
Precautions when Handling

1. Do not drop the front panel.
2. Do not put pressure on the display or control buttons when detaching or reinstalling the front panel.
3. Do not touch the contacts on the front panel or on the main unit body. It may result in poor electrical contact.
4. If any dirt or foreign substances adhered on the contacts, they can be removed with a clean and dry cloth.
5. Do not expose the front panel to high temperatures or direct sunlight in anywhere.
6. Keep away any volatile agents (e.g. benzene, thinner, or insecticides) from touching the surface of the front panel.
7. Do not attempt to disassemble the front panel.

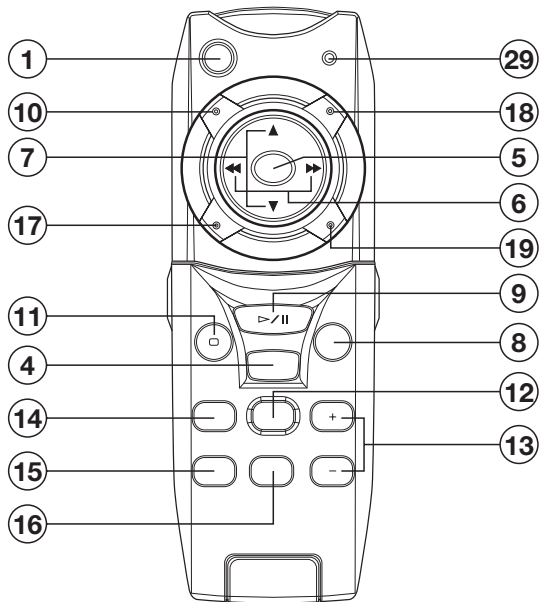
ELECTRIC CONNECTION



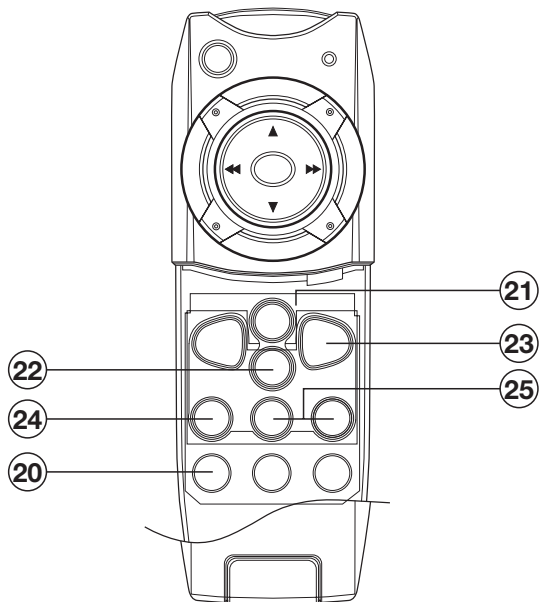
FRONT PANEL CONTROL AND REMOTE CONTROL



FRONT PANEL CONTROL AND REMOTE CONTROL















(Tray closed)



(Tray opened)

FRONT PANEL CONTROL AND REMOTE CONTROL

- | | |
|--|--|
| 1.  POWER/MUTE | Press POWER to turn the unit ON or OFF, press and hold to MUTE. |
| 2. EJECT | Stop playing and eject the disc |
| 3. OPEN | Open the front panel |
| 4. SOURCE | Select from DVD, CDC, AVI or RADIO |
| 5. ENTER | Confirm the Track/Chapter selected with the number key or selected with the cursor button on TV screen |
| 6.  /  | Press  to start forward rapidly &  to reverse rapidly |
| 7.  /  | Press  to skip to the next track & press  to skip back one track |
| 8. ILL | Choose the VFD display brightness level |
| 9.  /  | Press once to PAUSE, press again to resume PLAY. |
| 10. BAND | Choose the radio band |
| 11.  / AS / PS | Press it to stop the display |
| 12. SELECT | Select of the audio soundtrack |
| 13. + / - | Press + to increase the volume and press - to reduce the volume |
| 14. AUDIO | Choose the audio soundtrack |
| 15. ANGLE | Choose different angle to see the disc |
| 16. DISP | Display the time |
| 17. SUBTITLE | Change the SUBTITLE language on a multi-language subtitled DVD |
| 18. TITLE/LOC | Display the menu that is stored in DVD disc |
| 19. SETUP | Display the SETUP menu |
| 20. 0 - 9 | Numeric key buttons |
| 21. M1 - M6 | Radio channel |
| 22. SCAN | Scan the entire disc |
| 23. REPEAT | Play current track again |
| 24. RANDOM | Play all tracks in random order |
| 25. DISC - / DISC + | Choose CD (only for CDC) |
| 26. RESET | Return the unit to initial settings |
| 27. REMOTE SENSOR | Receives signal from the remote control |
| 28. VFD | Vacuum fluorescent display |
| 29. TRANSMIT INDICATOR | Indicates a transmission from the remote |

FRONT PANEL CONTROL AND REMOTE CONTROL

Preparing the Remote Control

Inserting the Batteries

1. Open the battery compartment cover.
2. Insert the new batteries (two AAA size). Make sure the positive and negative terminals of the batteries are oriented as indicated.
3. Close the cover

Using the Remote Control

Point the remote towards the front of the DVD-7000.

Operation angle: About ± 30 degree in each the direction of the front of the remote sensor.

To prevent damage to the unit, be sure to follow the connection diagram (page 9).

OPERATION

GENERAL OPERATION

TRANSMIT INDICATOR

During pressing the key on the remote controller, the TRANSMIT INDICATOR (29) will be lighted.

REMOTE SENSOR (IR)

Point the remote handset to the REMOTE SENSOR (27). Receive the signal from remote handset.

ON/OFF

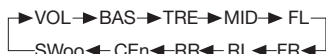
Switch on the by pressing the **POWER** button (1) shortly in front of panel, press it again to turn off the unit.

FACEPLATE RELEASE

Press **OPEN** button (3) to detach the removable faceplate.

SOUND ADJUSTMENT

Press **SEL** button (12) shortly to select the desired adjustment mode, it will change in the following order:



By pressing + / - (audio control) buttons (13), it is possible to adjust the desired sound quality.

MUTE

Press **POWER** button (1) for several seconds to mute down the sound instantly.

The mute state is released by press of **POWER/MUTE** button (1), + / - (audio control) buttons (13), detach of front panel.

SELECT MODE

Press **SOURCE** button (4) to choose desired mode:



If the CD changer is not connected, CDC Mode is skipped.

ILLUMINATION (ILL)

Press **ILL** button (8) to control the brightness of VFD.

FLASHING LED

If the front panel does not install in the main unit, the **LED** will be flashing.

RESET

RESET button (26) is placed on the housing and must be activated with either a ball point pen or thin metal object. **RESET** button (26) is to be activated for the following reasons:

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

CLOCK SETTING

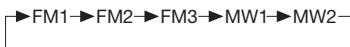
Press **SEL** (12) quiescently and press ◀◀ / ▶▶ (6) to set up time after power off.

RADIO OPERATION

BAND SELECTION

At tuner mode, press **BAND** button (10) to select the desired band.

The reception band will changed in the following order:



LOCATION SELECTION

Press **LOC** button (18) to select Local or Dx (initial). When Local is selected, the "LOC" icon will be displayed on VFD.

STATION SELECTION

Press ▲ / ▼ (Tune up/down) buttons (7) shortly to up/down one frequency step. Press for several seconds is for manual seek up/down.

AUTOMATIC MEMORY STORING & PRESET SCAN

- Automatic Memory Storing
Press **AS/PS** button (11) for several seconds, the radio searches from next

OPERATION

frequency and detected station is stored into the preset memory. If LOC is selected, 1st A/S is done by LOC state and if 6ch. is not fully memorized, 2nd A/S search continued by DX state. At the end of Auto Store operation, mode is changed to Preset Scan.

- Preset Scanning
Press **AS/PS** button (11) shortly to scan preset station. This operation starts from next preset number and finished at the same preset number of which last channel memory stored. Frequency of preset memory is displayed with blinking for 5 seconds.

STATION STORING

Press any one of the preset buttons (21) (M1 to M6) to select a station stored in a memory preset. Press and hold a preset button to store the current station in that location.

CDC OPERATION

SELECT TRACKS

During CDC operation, press **▲ / ▼** (Tune up/down) buttons (7) to move to the following track or the previous track. Track number shows on display. Keep holding **▲ / ▼** (Tune up/down) buttons (7) to fast forward or fast reverse. CDC play starts from when **▲ / ▼** (Tune up/down) buttons (7) are released.

PAUSE PLAYING

Press **▶/||** button (9) to pause CDC player. Press it again to resume play.

REPEAT THE SAME TRACK

Press **RPT** button (23) to continuously repeat the same track. Press it again to stop repeat.

PREVIEW ALL TRACKS

Press **SCN** button (22) shortly to play first several seconds of each track on the current disc. Press it for several seconds

to play first track on each disc in the CD magazine. Press it again to stop intro and listen to track.

RANDOM PLAY

Press **RND** button (24) to play all tracks on the current disc in random order. Press it again to cancel the function.

SELECT DISC

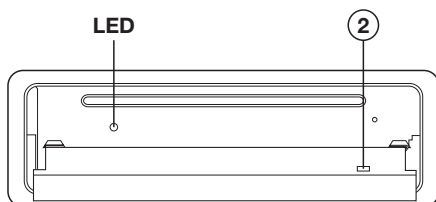
Press **D.DN/D.UP** buttons (25) to select previous disc or next disc.

LOADING CD/CDC/DVD

- Turn the ignition on to the accessory position.
- Press the **POWER** button (1).
- Press **SOURCE** button (4) to select DVD mode.
- Press the **OPEN** button (3), the front panel will fold down slowly.
- Insert the disc with printed side facing up.
- The player starts playback automatically.

EJECTING A DISC

- Press the **OPEN** button (3).
- Let the panel fully fold down, then press **EJECT** button (2) to eject.
- Remove the disc and close the front panel
Note: Do not remove the disc while pressing the EJECT button (2) with the unit powered up. Do not press the OPEN button (3) while a disc is ejecting.



OPERATION

BASIC OPERATION

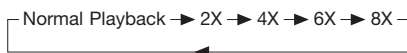
STOPPING PLAY

- Brief press the **STOP** button (11) to stop the unit playback, when press the **PLAY** button (9) it can continuous normal playback.
- Press **STOP** button (11) twice to stop the playback and go back to initial Track/Chapter.

RAPID FORWARD/RAPID REVERSE

Press **▶▶** & **◀◀** button (6) during play. Each time the button is pressed, the speed of rapid forward/reverse changes according to the disc as follow.

DVD/VCD/CD/MP3:



SKIPPING TRACK

Press **▲** / **▼** (Tune up/down) buttons (7) during playback to skip to next or previous track.

Note: For some VCD2.0 discs (PBC-playback control), **▲** / **▼** (Tune up/down) buttons (7) may be unavailable.

PAUSE (still picture)

Press **▶/||** button (9) during playback. Press it again to return to normal playback.

ON-SCREEN DISPLAY FUNCTION

Press the **DISP** button (16) during playback to display the contents of the current disc on the screen.

Example:

DVD:

- (1) Press **DISP** for the first time:

TITLE 01/03 CHAPTER 002/025
00:02:25

Title Number, Total Title Number, Chapter Number, Total Chapter Number of this

Title of the disc currently being played will be shown on the fluorescent display, along with the elapsed time.

- (2) Press **DISP** for the second time:

TITLE REMAIN
01:46:58

- (3) Press **DISP** for the third time:

CHAPTER ELAPSED
00:00:24

- (4) Press **DISP** for the fourth time:

CHAPTER REMAIN
00:01:39

- (5) Press **DISP** for the fifth time:

The message on the screen will be cleared.

Video CD/SVCD/CD:

Each time **DISP** is pressed, the message displayed on screen changes in the following order:



MP3:

Each time **DISP** is pressed, the message displayed on screen changes as follows:



MULTI-AUDIO FUNCTION


DVD:

Press **AUDIO** button (14) during playback.

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

OPERATION

Notes:

- The language number is different according to the disc.
- Some discs contain only one language soundtrack.
- When no different language soundtracks,  displayed in the top left corner of the screen.

VCD/CD:

Press **AUDIO** button (14) during playback.

It is possible to switch the sound between monaural and stereo sound.

► L only ► R only ► Stereo (L & R) ►

MENU FUNCTION

TITLE menu

If the DVD has multiple titles recorded on the disc, the preferred title can be selected from the title menu to start playback.


1. Press **TITLE** button (18) during playback, the title menu is displayed.
2. Press the ►► / ◀◀ or ▲ / ▼ button (6 or 7) shown in TV screen, select preferred title by the cursor button and confirmed by **ENTER** key (5).

SUBTITLE LANGUAGE FUNCTION (FOR DVD ONLY)

Press **SUBTITLE** button (17) during playback.

Each time the button is pressed the number of the angle changes in sequential order.

Notes:


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

MULTI-ANGLE FUNCTION (FOR DVD ONLY)

Press **ANGLE** button (15) during playback.

Each time the button is pressed, number of the angle changes in sequential order.

Notes:

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





MP3 DISPLAY FUNCTION

This player supports the following MP3 CD format:

1. Joliet
2. Romeo
3. ISO9660

MP3 disc is playing as the format of FOLDER. Maximum is 255 folders.

For example:

SMART NAVI	
 ROOT	 ROOT 0
	MP3 MUSIC 1
	 SKY
	MP3 HEAR YOUR
REPEAT MODE	NO REPEAT

Use ▲ ▼ ◀ ▶ to select the item or folder, then press **ENTER** button (5) or **PLAY** button (9).

In the playback, use ▲ ▼ to skip an item ahead or back.

◀◀: Rapid reverse, ▶▶: Rapid advance

Note: The FOLDER cannot be selected during playing. It can be selected after **STOP** button (11) pressed.

OPERATION

EXTRA FUNCTION CONTROL

The colour, contrast and brightness can be adjusted in “STOP” mode.

ANGLE : Select the colour, contrast and brightness

◀◀ : Decrease the level

▶▶ : Increase the level

DISP : Recover to the normal value

Notes:

1. For MP3 disc, the above modes cannot be adjusted.
2. When the sum of the contrast value and brightness value is 29, neither should be increased.
3. Do not adjust the contrast and brightness level too high.

Auxiliary or AV Input

It is used to switch between the DVD player and external AUDIO/VIDEO.

Please connect the external AV line to the AV input terminal of the DVD player.

Then press **SOURCE** button (4) to switch

to the external AV. Press it again to return to the DVD unit.

SETUP

INITIAL SETUP

SETUP MENU --- MAIN PAGE

GENERAL SETUP
SPEAKER SETUP
DOLBY DIGITAL SETUP
DOLBY SURROUND SETUP
PREFERENCES
EXIT SETUP

1. Press **SETUP** button (19) in the stop mode. [Press the **STOP** button (11) twice to ensure the player under STOP mode.]

2. The initial SETUP menu is displayed.

3. Select the preferred item by using the ▲/▼ (Tune up/down) buttons (7).

4. Press **ENTER** buttons (5).

a. **GENERAL SETUP**

This setup page includes all the TV display and audio features. For details please refer to the **GENERAL SETUP MENU**.

b. **SPEAKER SETUP**

This is to activate the audio output (DOLBY AC3 5.1 DOWNMIX to 2 channel mode). Please refer to **SPEAKER SETUP MENU**.

c. **DOLBY DIGITAL SETUP**

This setup page includes all the items for DOLBY DIGITAL. Please refer to **DOLBY DIGITAL SETUP MENU**.

d. **DOLBY SURROUND SETUP**

This is to set the DOLBY SURROUND mode.

e. **PREFERENCES SETUP**

This setup page includes all configurations of the support features. The detail please refer to **PREFERENCES SETUP MENU**.

GENERAL SETUP

--- GENERAL PAGE ---

TV DISPLAY	NORMAL/PS
TV TYPE	NORMAL/LB
PIC MODE	WIDE
ANGLE MARK	
OSD LANG	
SPDIF	
CAPTION	
MAIN PAGE	

Video Material	TV Screen			
	4:3			Wide (16:9)
	Normal	Pan Scan	Letter-box	
4:3				
16:9				

TV display setup

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)

Plays 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)

Plays back in letterbox 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.

SETUP

--- GENERAL PAGE ---

TV DISPLAY	
TV TYPE	MULTI
PIC MODE	NTSC
ANGLE MARK	PAL
OSD LANG	
SPDIF	
CAPTION	
MAIN PAGE	


TV TYPE setup

This player can play discs recorded in either PAL or NTSC format. Select NTSC format, when you connected to NTSC TV. Select PAL format, when you connected to PAL TV. Select MULTI format, the player TV output format will be according to the DVD disc format.

--- GENERAL PAGE ---

TV DISPLAY	
TV TYPE	
PIC MODE	
ANGLE MARK	ON
OSD LANG	OFF
SPDIF	
CAPTION	
MAIN PAGE	

ANGLE MARK display setup

If it is set to ON, when the multi-angle DVD disc is playing,  (the angle mark) will appears on the screen; if it is set to OFF, the mark will not appear.

--- GENERAL PAGE ---

TV DISPLAY	
TV TYPE	
PIC MODE	AUTO
ANGLE MARK	HI-RES
OSD LANG	N-FLICKER
SPDIF	
CAPTION	
MAIN PAGE	



PIC MODE setup

Select AUTO, the player PIC mode will depend on DVD disc. Select HI-RES format for best image resolution. Select N-FLICKER format on format on image or picture under noise affect.

--- GENERAL PAGE ---

TV DISPLAY	
TV TYPE	
PIC MODE	
ANGLE MARK	
OSD LANG	ENGLISH
SPDIF	CHINESE
CAPTION	
MAIN PAGE	

OSD LANG type setup

Select the preferred OSD language by using the  /  buttons (7).

SETUP

--- GENERAL PAGE ---

TV DISPLAY	
TV TYPE	
PIC MODE	
ANGLE MARK	
OSD LANG	
SPDIF	OFF
CAPTION	ON
MAIN PAGE	

SPDIF setup

Select the SPDIF optical output ON/OFF.

--- GENERAL PAGE ---

TV DISPLAY	
TV TYPE	
PIC MODE	
ANGLE MARK	
OSD LANG	
SPDIF	
CAPTION	ON
	OFF
MAIN PAGE	

CAPTION

Activate the CAPTIONS feature by selecting ON. And release this feature by selecting OFF.

SPEAKER SETUP

--- SPEAKER SETUP PAGE ---

DOWNMIX	LT/RT
CENTER	STEREO
REAR	VSS
SUBWOOFER	OFF
CNTR DELAY	
REAR DELAY	
TEST TONE	
BASS	
MAIN PAGE	

This is to select the DOWNMIX mode of DOLBY AC3 5.1.

- Select the LT/RT to activate the Dolby surround compatible output.
- Select the STEREO to activate simple stereo mode.
- Select the VSS to activate the Virtual Surround DOWNMIX.
- Select the OFF to disable DOWNMIX.

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	ON
REAR	OFF
SUBWOOFER	
CNTR DELAY	
REAR DELAY	
TEST TONE	
BASS	
MAIN PAGE	

Select ON/OFF to turn on/off the center speaker. This item can only be selected when the DOWNMIX is OFF.

SETUP

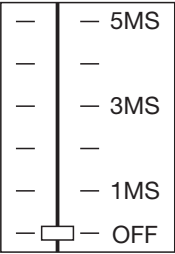
--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	ON
SUBWOOFER	OFF
CNTR DELAY	
REAR DELAY	
TEST TONE	
BASS	
MAIN PAGE	

Select ON/OFF to turn on/off the rear speaker. This item can only be selected when the DOWNMIX is OFF.

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	
SUBWOOFER	
CNTR DELAY	
REAR DELAY	
TEST TONE	
BASS	
MAIN PAGE	



This is to set the center delay time. This item can only be selected when the DOWNMIX is OFF and CENTER is ON.

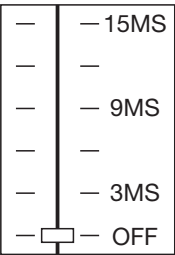
--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	
SUBWOOFER	ON
CNTR DELAY	OFF
REAR DELAY	
TEST TONE	
BASS	
MAIN PAGE	

Select ON/OFF to turn on/off the subwoofer speaker. This item can only be selected when the DOWNMIX is OFF.

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	
SUBWOOFER	
CNTR DELAY	
REAR DELAY	
TEST TONE	
BASS	
MAIN PAGE	



This is to set the surround delay time. This item can only be selected when the DOWNMIX is OFF and REAR is ON.

SETUP

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	
SUBWOOFER	
CNTR DELAY	
REAR DELAY	
TEST TONE	ON
BASS	OFF
MAIN PAGE	

This item can only be selected when the DOWNMIX is OFF. If this item is set to ON, the player will send test tone to each speaker in turns of this:



Note:

1. The CENTER (LEFT SURROUND and RIGHT SURROUND) will be skipped when CENTER (REAR) is OFF.
2. Please set this item to OFF after test.

--- SPEAKER SETUP PAGE ---

DOWNMIX	
CENTER	
REAR	
SUBWOOFER	
CNTR DELAY	
REAR DELAY	
TEST TONE	
BASS	CONFIG 1
MAIN PAGE	CONFIG 2

This is to set the bass redirection. The CONFIG 1 is to be selected normally.

DOLBY DIGITAL SETUP

--- DOLBY DIGITAL SETUP ---

OP MODE	LINE MODE
DUAL MONO	
DRC	
MAIN PAGE	

OP MODE

Only one operating mode for the Dolby Digital decoder: LINE OUT.

--- DOLBY DIGITAL SETUP ---

OP MODE	
DUAL MONO	STEREO
DRC	CH1 MONO
	CH2 MONO
MAIN PAGE	MIX - MONO

DUAL MONO

The Dual Mono reproduction works only Dolby Digital programs in 1+1 Audio code mode.

- Stereo-reproduce 1+1 program CH1 for left channel, CH2 for right channel.
- CH1 Mono-reproduce CH1 channel in both Left/Right output.
- CH2 Mono-reproduce CH2 channel in both Left/Right output.
- Mix mono-reproduce CH1+CH2 in both Left/Right output.

SETUP

--- DOLBY DIGITAL SETUP ---

OP MODE	— <input type="checkbox"/> — FULL
DUAL MONO	— —
DRC	— — 6/8
MAIN PAGE	— — 4/8
	— — 2/8
	— — OFF

DRC-dynamic range control

Select DRC and adjust the dynamic range of a Dolby Digital encoded program. There are 8 steps between full compression and off compression.

DOLBY SURROUND SETUP

--- DOLBY SURROUND SETUP ---

ON/OFF	OFF
	ON
MAIN PAGE	AUTO

Select OFF to turn off the Dolby Surround. Select ON to turn on the Dolby Surround. If this item is set to AUTO, the player will turn on/off Dolby Surround automatically according to the audio stream.

PREFERENCES SETUP

--- PREFERENCES PAGE ---

LANGUAGE	ENGLISH
SUBTITLE	FRENCH
DISC MENU	SPANISH
LOCALE	CHINESE
PARENTAL	JAPANESE
PASSWORD	
DEFAULTS	
MAIN PAGE	

AUDIO language setup

Select the preferred AUDIO soundtrack by using ►► / ◀◀ or ▲ / ▼ button (6 or 7), then press ENTER button (5).

--- PREFERENCES PAGE ---

LANGUAGE	
SUBTITLE	ENGLISH
DISC MENU	FRENCH
LOCALE	SPANISH
PARENTAL	CHINESE
PASSWORD	JAPANESE
DEFAULTS	OFF
MAIN PAGE	

SUBTITLE language setup

Select the preferred SUBTITLE language.

SETUP

--- PREFERENCES PAGE ---

LANGUAGE	
SUBTITLE	
DISC MENU	ENGLISH
LOCALE	FRENCH
PARENTAL	SPANISH
PASSWORD	CHINESE
DEFAULTS	JAPANESE
MAIN PAGE	

DISC MENU language setup

Select the preferred DISC MENU language.

--- PREFERENCES PAGE ---

LANGUAGE	1 G
SUBTITLE	2
DISC MENU	3 PG
LOCALE	4 PG 13
PARENTAL	5
PASSWORD	6 PG - R
DEFAULTS	7 NC - 17
	8 ADULT
MAIN PAGE	NO_PARENTAL

PARENTAL

Select suitable parental guidance by the ►► / ◀◀ or ▲ / ▼ button (6 or 7) and confirmed by pressing ENTER button (5).

--- PREFERENCES PAGE ---

LANGUAGE	
SUBTITLE	
DISC MENU	CHINA
LOCALE	FRANCE
PARENTAL	HONG KONG
PASSWORD	JAPAN
DEFAULTS	TAIWAN
	GBR
MAIN PAGE	USA

LOCALE

Select preferred city, the player will depend on this setting to choose related film grade division.

--- PREFERENCES PAGE ---

LANGUAGE	
SUBTITLE	
DISC MENU	
LOCALE	
PARENTAL	
PASSWORD	CHANGE
DEFAULTS	
MAIN PAGE	

PASSWORD

Select change and press ENTER. Input the old password (factory setting uses 3308). Key in a new 4 character password. Retype the new password to confirm.

SETUP

--- PREFERENCES PAGE ---

LANGUAGE

SUBTITLE

DISC MENU

LOCALE

PARENTAL

PASSWORD

DEFAULTS

RESET

MAIN PAGE

Load **DEFAULT** setting

Select RESET to load the factory initial setting, as listed following:

DEFAULT SETTING	GENERAL SETUP	TV DISPLAY	NORMAL/PS
		TV TYPE	MULTI
		PIC MODE	AUTO
		ANGLE MARK	ON
		OSD LANGUAGE	ENGLISH
		SPDIF	OFF
		CAPTION	OFF
	SPEAKER SETUP	DOWNMIX	STEREO
	DOLBY DIGITAL SETUP	OP MODE	LINE MODE
		DUAL MONO	STEREO
		DRC	FULL
	DOLBY SURROUND SETUP	ON/OFF	OFF
	PREFERENCES SETUP	LANGUAGE	ENGLISH
		SUBTITLE	ENGLISH
		DISC MENU	ENGLISH
		LOCALE	USA
		PARENTAL	6 PG-R
		PASSWORD	3308

SPECIFICATIONS

GENERAL

Power Supply Requirements	: DC 12 Volts, Negative Ground
Chassis Dimensions	: 178 (W) x 165 (D) x 50 (H) mm
	: 7" x 6.1" x 1.9"
Weight	: 2.5 kg
	: 5.5 lb
Tone Controls	
- Bass (at 100 Hz)	: + 12 dB / - 12 dB
- Treble (at 10 KHz)	: + 12 dB / - 12 dB
- Middle	: + 12 dB / - 12 dB
Maximum Output Power	: 80 Watts x 4 (CH) + 30 Watts x 1 (CH)
LINE Output Level	: 1.4 volts (RMS)
Subwoofer Output	: Low Pass 120 Hz
Current Consumption	
- With Power Amplifier	: 15 Ampere (max.)
- Without Power Amplifier	: Less than 2.0 A

DVD PLAYER

Signal to Noise Ratio	: More than 60 dB
Channel Separation	: More than 60 dB
Frequency Response	: 20 Hz - 20 KHz
Video Signal	: Composite 1.0Vpp (75Ω load)

RADIO

FM

Frequency Coverage	: 87.5 to 108 MHz
IF	: 10.7 MHz
Sensitivity (S/N = 26 dB)	: 5 μV/M
Stereo Separation	: > 30 dB

AM

Frequency Coverage	: 530 to 1620 KHz
IF	: 450 KHz
Sensitivity (S/N = 26 dB)	: 35 dBu

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