



## ***Car DVD Receiver***

### ***OWNER'S MANUAL MODEL : TCD-100***



Before connecting, operating or adjusting this product,  
please read this instruction booklet carefully and completely.



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## Safety Precautions



INTRODUCTION

### CAUTION

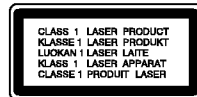
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



Warning: To reduce the risk of electric shock, do not remove the cover or back of this product. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.



Warning: To reduce the risk of fire or electric shock, do not expose this product to dripping or splashing water, rain, or moisture. Do not place objects filled with water such as vases, on the product.



Caution: Do not install this product in a confined space such as a book case or similar unit.



Caution: Never install the display in a location that enables the driver to watch the DVD or Video CD while driving.



Caution: Protect this product from moisture.



Caution: If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.

### NOTES

- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so you can hear sounds outside of the car.

### To ensure safe driving

- To avoid the risk of accident and the potential violation of applicable laws, this unit is not for use with a video screen that is visible to the driver.
- This unit detects whether your car's parking brake is engaged or not, and prevents you from watching a DVD or Video CD on the display connected to **FRONT VIDEO OUTPUT** while driving. When you attempt to watch a DVD/Video CD, the screen will turn black. When you park your car in a safe place and apply the parking brake, the picture appears on the screen.

### When using a display connected to DVD REAR MONITOR OUTPUT

This unit's **DVD REAR MONITOR OUTPUT** is for connection of a display to enable passengers in the rear seats to watch DVD or Video CD.



## Before Use

To ensure proper use of this product, please read this owner's manual carefully and retain for future reference.

### Symbol Used in this Manual



The lightning flash symbol alerts you to the presence of dangerous voltage within the product enclosure that may constitute a risk of electric shock.



Indicates hazards likely to cause harm to the unit itself or other material damage.

### NOTE

Indicates special notes and operating features.

### TIP

Indicates tips and hints for making the task easier.

A section whose title has one of the following symbols is applicable only to the disc represented by the symbol.



DVD



Video CDs



Audio CDs



MP3 discs




WMA discs



CD changer

### About the Symbol Display

When you are watching a DVD and attempt to perform an operation, it may not be performed by the programming on the disc. When this happens, this unit indicates the icon  on the screen.

## Notes on Discs

### Handling Discs

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints do not get on the surface. Never stick paper or tape on the disc.

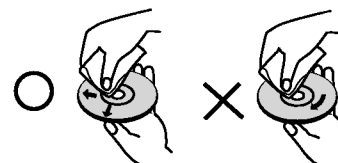


### Storing Discs

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

### Cleaning Discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.







Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.



## Before Use



### Types of Playable Discs

	DVD (8 cm / 12 cm disc)
	Video CD (VCD) (8 cm / 12 cm disc)
	Audio CD (8 cm / 12 cm disc)
	Audio CD with CD TEXT function (8 cm / 12 cm disc)

In addition, this unit plays DVD±R, DVD±RW and CD-R or CD-RW that contains audio titles, MP3 or WMA.

- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD±R/±RW) disc itself, some CD-R/RW (or DVD±R/±RW) discs cannot be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal). It may result in malfunctions.

#### Notes on DVDs and Video CDs

Some playback operations of DVDs and Video CDs may be intentionally programmed by software manufacturers. This unit plays DVDs and Video CDs according to disc content designed by the software manufacturer, therefore some playback features may not be available or other functions may be added.

#### Regional code

This unit is designed and manufactured for playback of region “3” encoded DVD software. This unit can play only DVD discs labeled “3” or “ALL”.

#### Notes on Regional Codes

- Most DVD discs have a globe with one or more numbers in it clearly visible on the cover. This number must match your Car DVD Receiver’s regional code or the disc cannot play.
- If you try to play a DVD with a different region code from your player, the message “Check Regional Code” appears on the screen.

### TV System Selection

You must select the appropriate system mode for your TV system. If “No Disc” appears in the display window, press and hold **PAUSE** on the front panel or **PAUSE (II)** on remote control for more than 5 seconds to be able to select a system (Auto, NTSC, or PAL).

- When the selected system does not coincide with the system of your TV, normal colour picture may not be displayed.

**Auto:** Select when the unit is connected with Multi system TV.

**NTSC:** Select when the unit is connected with NTSC-TV.

**PAL:** Select when the unit is connected with PAL-TV.



## Before Use

### Features

#### DVD video playback

It is possible to play back DVD video, DVD±R and DVD±RW.

#### Video CDs featuring PBC compatibility

It is possible to play back Video CDs featuring PBC (Playback control).

#### CD playback

It is possible to play back music CD/CD-R/CD-RW.

#### MP3 file playback

It is possible to play back MP3 files recorded on CD-ROM/CD-R/CD-RW.

#### WMA playback

It is possible to play back WMA (Windows media audio file).  
A type of coding / decoding developed by Microsoft Corp.

#### NTSC/PAL compatibility

This unit is NTSC/PAL system compatible.  
When connecting other components to this unit, be sure components are compatible with the same video system or else will not be correctly reproduced.

#### Dolby Digital/DTS compatibility

When using this unit with a multi channel processor, you can enjoy the atmosphere and excitement provided by DVD movie and music software featuring 5.1 channel recordings.

- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" is registered trademark of Digital Theater Systems, Inc.

#### Multi-aspect

Switching between wide screen, letterbox and panscan display is possible.

#### Multi-audio

You can switch between multiple audio system recorded on a DVD as desired.

#### Multi-subtitle

You can switch between multiple subtitle languages recorded on a DVD as desired.

#### Multi-angle

You can switch between multiple viewing angles of a scene recorded on a DVD as desired.



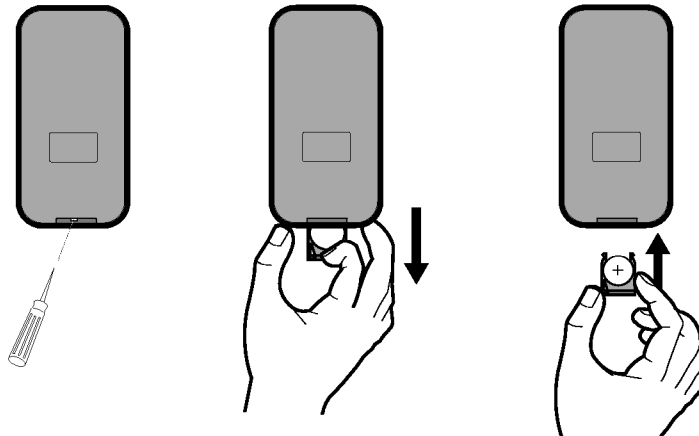
## Before Use



### Use and care of the remote control

#### Installing the battery

Pull the tray outward on the back of the remote control with a pencil or ball point pen and insert the battery with the plus (+) minus (-) poles pointing in the proper direction.



#### NOTES

- Use only one CR2025 (3V) lithium battery.
- Remove the battery if the remote control is not used for long.
- Do not recharge, disassemble, heat or dispose of the battery in fire.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic materials.
- In the event of battery leakage, wipe the remote control completely clean and install a new battery.

### Using the remote control

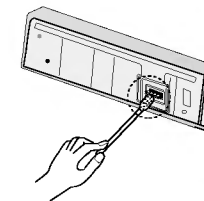
Point the remote control in the direction of the front panel to operate.

#### NOTES

- The remote control may not function properly in direct sunlight.
- Do not store the remote control in high temperatures or sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal.

### Handling the Unit

- This unit is designed to be operated on a 12 volt DC negative ground electrical system only.
- When replacing the fuse, be sure to use the fuse whose amperage rating is identical. Use of a fuse with higher amperage may cause serious damage to the unit.
- Periodically wipe the contacts on the back of the front panel with a cotton swap moistened with alcohol.




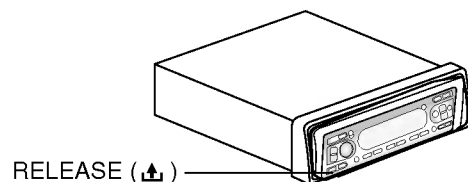


## Before Use

### Protecting your unit from theft

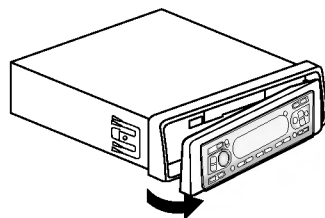
The front panel can be detached from the head unit and stored in the protective case provided to discourage theft.

1. Press **RELEASE**  to open the front panel.

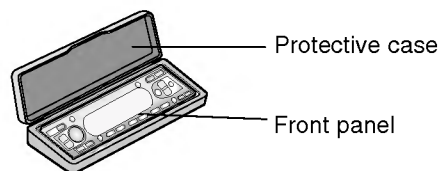


2. Grip the left side of the front panel and pull it gently outward.

Take care not to grip it tightly or to drop it.

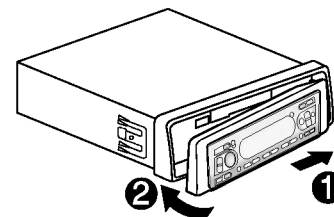


3. Put the front panel into the protective case provided for safe keeping.

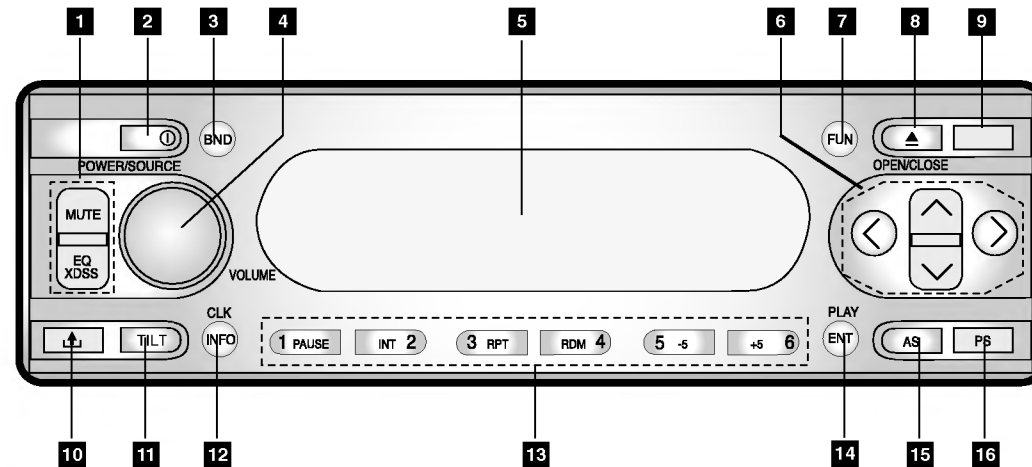


### Attaching the front panel

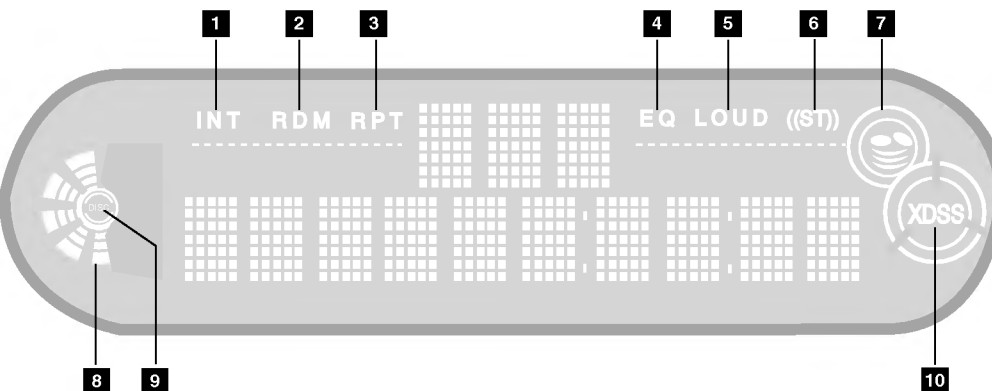
Align the right side of the panel with the stopper, and then push the left side or the panel into the unit until it clicks.



## Front Panel



- 1** • MUTE button  
• EQ/XDSS button
- 2** POWER/SOURCE button
- 3** BAND (BND) button
- 4** VOLUME KNOB/ Sound mode selection
- 5** DISPLAY WINDOW
- 6** ◀/▶/▲/▼ (left/right/up/down) buttons
- 7** FUNCTION (FUN) button
- 8** ▲ OPEN/CLOSE button
- 9** REMOTE SENSOR
- 10** RELEASE (▲) button
- 11** TILT button
- 12** CLOCK/INFORMATION (CLK/INFO) button
- 13** • PRESET (1-6) buttons  
• PAUSE button/ TV System (Auto, NTSC, or PAL) Selection  
• INTRO (INT) button  
• REPEAT (RPT) button  
• RANDOM (RDM) button  
• TRACK SKIP (-5) button/ Setup Menu Selection  
• TRACK SKIP (+5) button/ Disc Menu Selection
- 14** PLAY/ENTER (ENT) button
- 15** AS (Auto Store) button
- 16** PS (Preset Scan) button



- 1** INTRO PLAY indicator
- 2** RANDOM PLAY indicator
- 3** REPEAT PLAY indicator
- 4** EQUALIZER indicator
- 5** LOUDNESS indicator

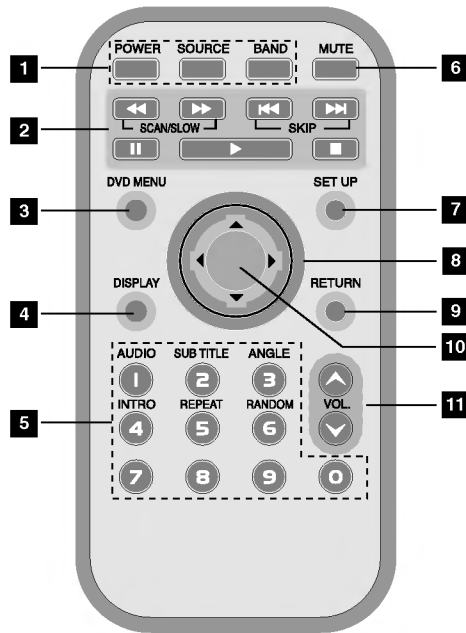
- 6** STEREO indicator
- 7** CDC (CD Changer) CONNECTION indicator (OPTIONAL)
- 8** DISC OPERATING STATUS indicator
- 9** DISC IN indicator
- 10** XDSS (Extreme Dynamic Sound System) indicator



## Remote Control



INTRODUCTION



### 1 • POWER

Switches the unit ON and OFF.

### • SOURCE

Selects a source.

### • BAND

Selects three FM and MW (AM) bands.

### 2 • SCAN/SLOW

(◀◀ / ▶▶)

- Backward or forward search playback.
- Reverse/ Forward slow playback.

### • SKIP (◀◀◀ / ▶▶▶)

Go to next chapter or track. Returns to beginning of current chapter or track or go to previous chapter or track.

### • PAUSE (⏸)

- Pauses playback temporarily.
- Press repeatedly for frame-by-frame playback.

### • PLAY (▶)

Starts playback.

### • STOP (■)

Stops playback. (DVD)

### 3 DVD MENU

Accesses menu on a DVD disc.

### 4 DISPLAY

Accesses On-Screen display.

### 5 • 0-9 number buttons

- Selects numbered items in a menu.
- Selects a stored radio station frequency (1-6).

### • AUDIO

Selects an audio language (DVD).

### • SUBTITLE

Selects a subtitle language. (DVD)

### • ANGLE

Selects a DVD camera angle if available

### • INTRO

Plays the first 10 seconds of all track. (Audio CD)

### • REPEAT

Repeat chapter, track, title.

### • RANDOM

Plays tracks in random order. (Audio CD, MP3, WMA)

### 6 MUTE

Press to mute the sound from the speaker.

### 7 SET UP

Accesses or removes setup menu.

### 8 ◀/▶/▲/▼

(left/right/up/down)

Selects an item in the menu.

### 9 RETURN

Displays the disc menu with PBC.

### 10 ENTER

Confirms menu selection.

### 11 VOLUME (⏮/⏭)



## Installation

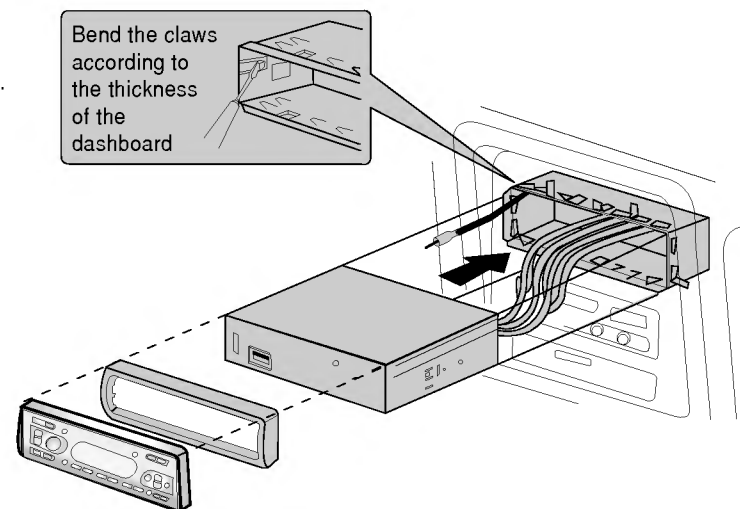
### Basic Installation

Before installing, make sure that the ignition-switch is set to OFF and remove the terminal of the car battery to avoid short-circuiting.

1. Remove the existing receiver unit.
2. Make the necessary connections.
3. Install the installation sleeve.
4. Install the unit in to the installation sleeve.

### **Removing existing receiver unit**

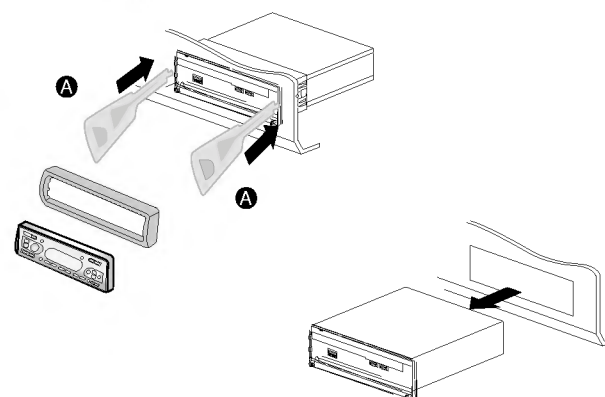
If there is already an installation sleeve for the receiver unit in the dashboard, it must be removed.



### **When removing the unit from the installation sleeve**

If you need to remove the unit from the installation sleeve, proceed as follows.

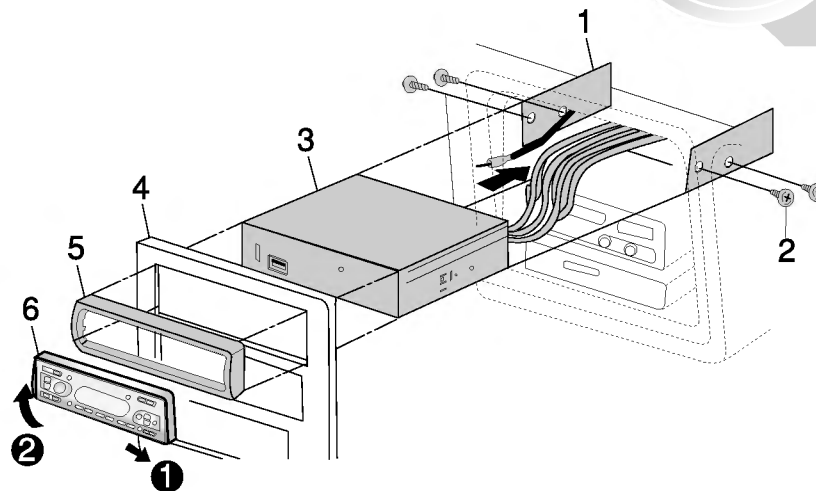
1. Remove the rear supporter from the unit.
2. Remove the front panel and trim ring from the unit.
3. Insert the lever **A** into the hole on one side of the unit. Do the same operation on the other side and pull out the unit from the installation sleeve.



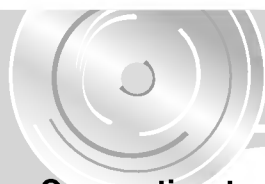
## Installation

### ISO-DIN Installation

1. Slide the unit into ISO-DIN frame.
2. Install screws removed from old unit.
3. Slide the unit and frame into dash opening.
4. Install dash panel or adapter plate.
5. Install trim ring to the unit.  
The notch on trim ring must be positioned at the bottom.
6. Install faceplate by fitting right edge into position then pushing left edge closed.



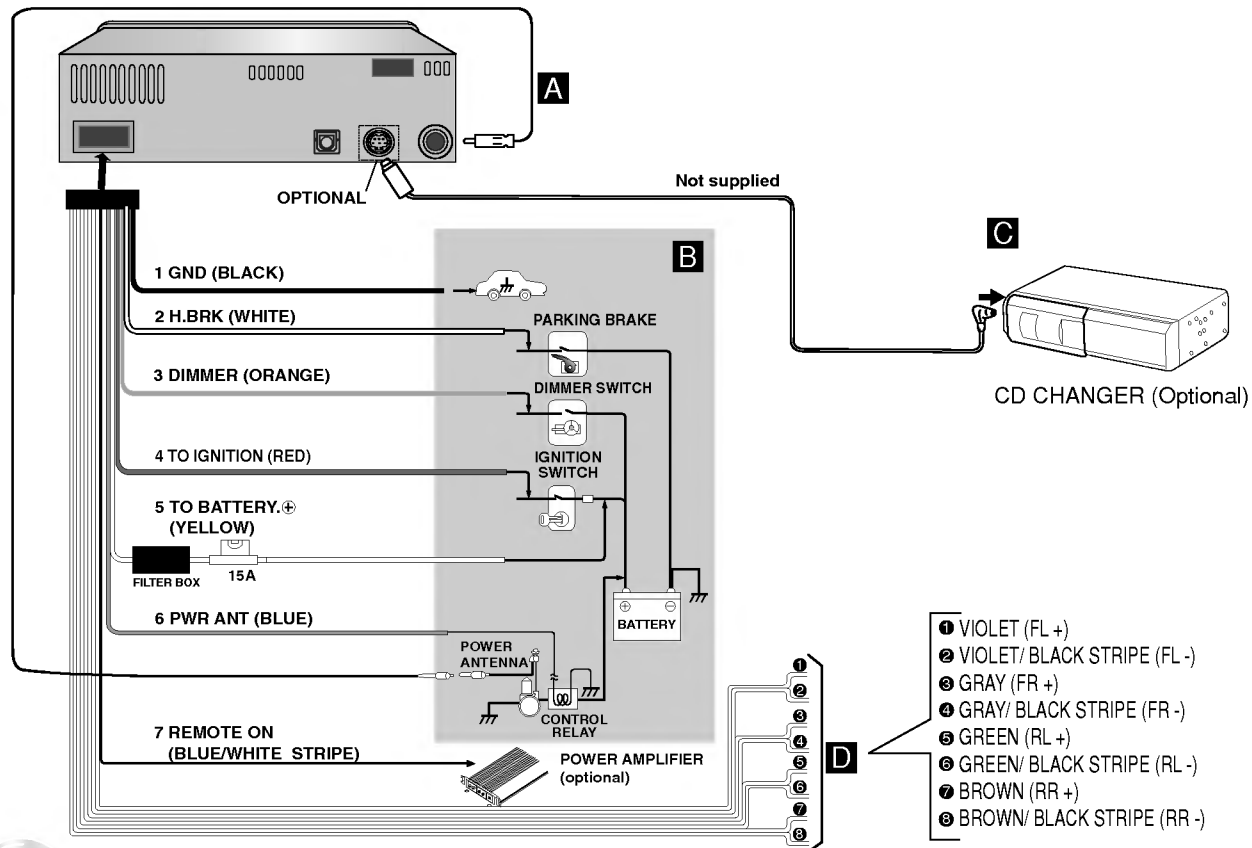
PREPARATION



## Connections

### Connecting to Car

Before connecting, make sure that ignition switch is set to OFF, and remove the  $\ominus$  terminal of the battery to avoid short circuits.





## Connections

### Connecting to Car

#### A From antenna

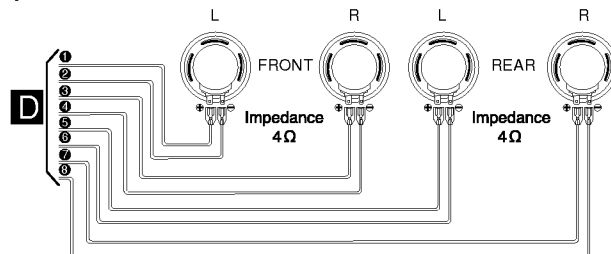
#### B To the wiring of vehicle Colors of leads

- 1 **BLACK** : This lead is for connection to the Ground.
- 2 **WHITE** : This lead is for connection to the parking brake.
- 3 **ORANGE** : This lead is for connection to the Dimmer line
- 4 **RED** : This lead is for connection to the terminal from which the power is supplied when the ignition switch is set to ACC.
- 5 **YELLOW** : This lead is for connection to the Battery (back-up) terminal from which the power is always supplied.
- 6 **BLUE** : This lead is for connection to the power antenna.
- 7 **BLUE/WHITE STRIPE** : This lead is for connection to the amplifier remote on.

#### C Connect the CD changer

- Your car receiver works as control unit for a CD changer which you can buy, if not yet done, later.
- The suitable cord shown on the scheme will be provided together with the CD changer.

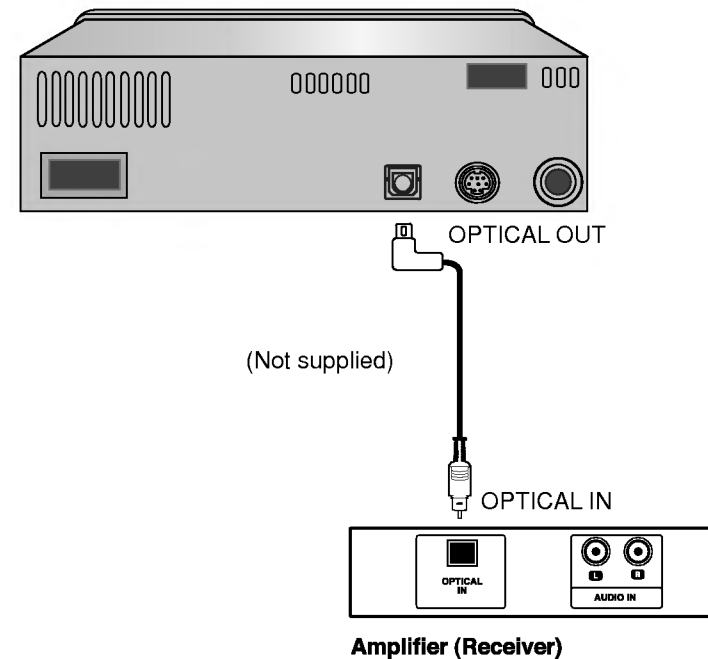
#### D Speaker Connections



### Connecting to Optional Equipment

Connecting to an amplifier equipped with two channel digital stereo (PCM) or to an Audio/ Video receiver equipped with a multi-channel decoder (Dolby Digital™, MPEG 2 or DTS)

Connect the OPTICAL OUT connector of this unit to the corresponding in jack on your Amplifier or Receiver.

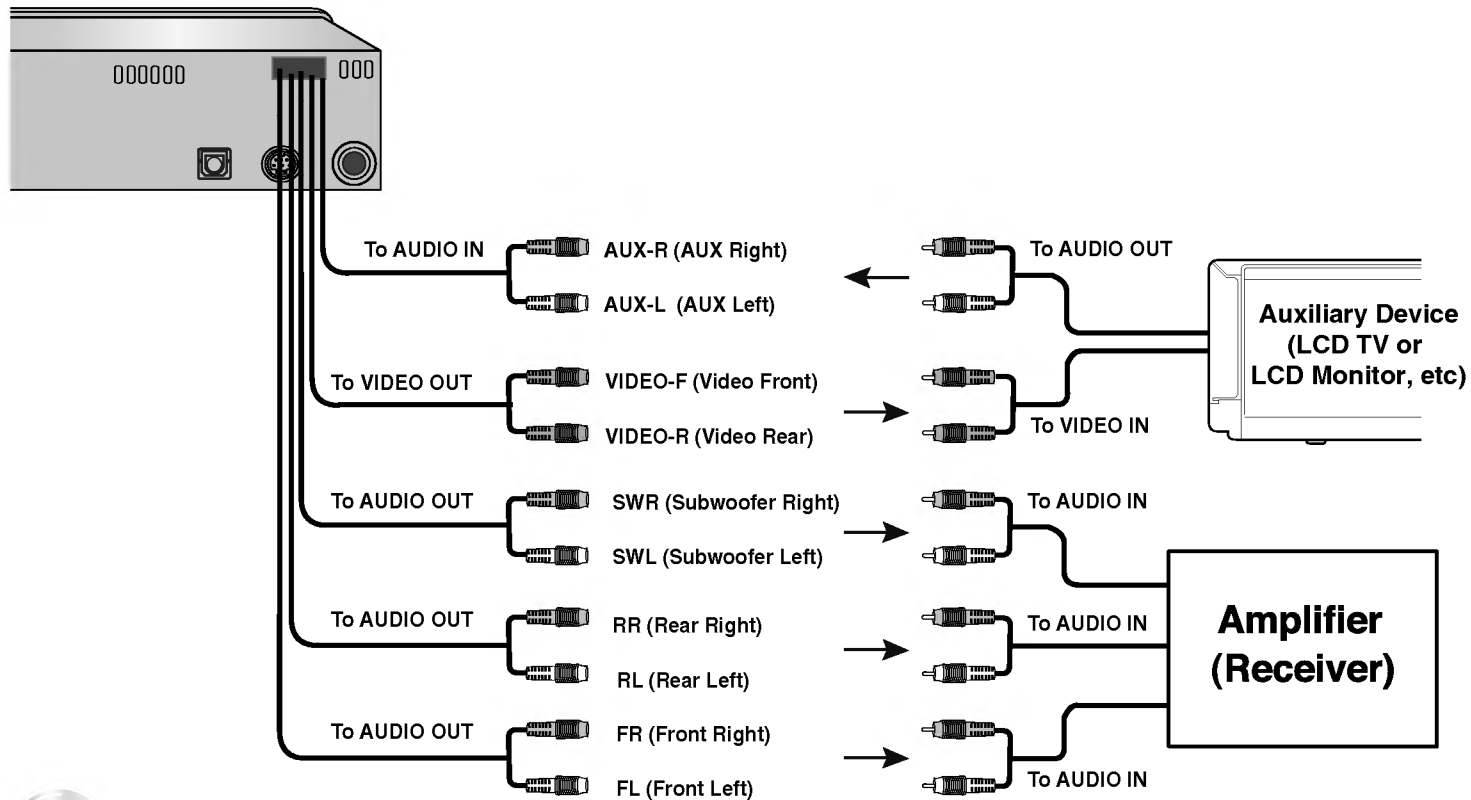


PREPARATION

## Connections

### Connecting to Auxiliary Equipment

- Connect the **AUDIO INPUT** connector of this unit to the **AUDIO OUTPUT** connector of Auxiliary Equipment.
- Connect the **AUDIO OUTPUT** connector of this unit to the **AUDIO INPUT** connector of Auxiliary Equipment.
- Connect the **VIDEO OUTPUT** connector of this unit to the **VIDEO INPUT** connector of Auxiliary Equipment.



## Basic Operation



OPERATION

### Turning the unit on

Press **POWER/SOURCE** or any other button on the front panel or **POWER** on the remote control to turn the unit on.

### Turning the unit off

- Press **POWER/SOURCE** on the front panel for more than 1 second to turn the unit off.
- Press **POWER** on the remote control to turn the unit off.

### Selecting a source

You can select a source you want to listen to.

Press **POWER/SOURCE** on the front panel or **SOURCE** on the remote control to select a source.

Press **POWER/SOURCE** or **SOURCE** repeatedly to switch between the following sources:

Tuner → DVD/CD → CD Changer (optional) → AUX In → Tuner...

### **NOTES**

- When you turn off, the unit is memorized automatically the current volume level before you turn off. Whenever you turn on the unit, it will operate at the memorized volume level.
- When the front panel is opened, it is closed automatically after about 20 seconds and beep sounds.

### Adjusting the volume

Use **VOLUME** to adjust the sound level.

Rotate **VOLUME KNOB** on the front panel to increase or decrease the volume.

Press **VOLUME** (⏮/⏭) on the remote control to increase or decrease the volume.

### Adjusting the angle of the front panel

Press **TILT** repeatedly on the front panel.

- The angle of the front panel can be adjusted up to 3 steps.

### Checking the clock

You can see the clock pressing **CLK/INFO** on the front panel.

Even when the unit is off, if you press **CLK/INFO** on the front panel the clock appears in the display window. If you press **CLK/INFO** again, the clock disappears in the display window. (Reference to page 20.)



## Basic Operation

### About FUNCTION (FUN) button

1. Select a mode you want pressing **FUN** repeatedly on the front panel during operating.
  - Clock adjustment mode → Beep mode → Woofer mode → Colour mode → Contrast mode → Display mode → Clock adjustment mode...
2. Select the function you want pressing the ◀(left)/ ▶(right) on the front panel or ◀(left) / ▶(right) on the remote control within 5 seconds.

#### Clock adjustment mode

- a. Select the hour pressing the ◀(left)/ ▶(right) or ◀(left) / ▶(right).
- b. Use the ▲(up)/ ▼(down) or ▲(up)/ ▼(down) to set the current hour.
- c. Select the minute pressing the ◀(left)/ ▶(right) or ◀(left) / ▶(right).
- b. Use the ▲(up)/ ▼(down) or ▲(up)/ ▼(down) to set the current minute.

#### Beep mode

- "Beep 2nd" indicator : When the button with long key function is pressed for more than 1 seconds, beep sounds.
- "Beep All" indicator : When any button is pressed, beep sounds.
- "Beep Off" indicator : When any button is pressed, beep doesn't sound.

#### Woofer mode

- "FREQ 120Hz" indicator : Setting to 120Hz the cut-off frequency of woofer speaker.
- "FREQ 80Hz" indicator : Setting to 80Hz the cut-off frequency of woofer speaker.

#### Colour mode

Colour mode	Display window colour
Color WH	White
Color BL	Blue
Color GR	Green
Color SB	Sky blue
Color RD	Red
Color VL	Violet
Color YL	Yellow

#### Contrast mode

This can adjust the shown letter/shape brightly or darkly in the display window. (1~11steps)

#### Display mode

According to the current Source, confirms the information.

- "DSPL All" indicator :  
The whole information of title, artist, album or CD TEXT etc scroll from right to left in the display window during playing an MP3,WMA or etc.
- "DSPL NORM" indicator :  
Each time is pressed **CLK/INFO** button, the clock and information appear in order in the display window.

## Basic Operation



### SOUND Adjustment

#### MUTE

1. Press **MUTE** to cut the sound.
  - "Mute" indicator will be shown in the display window.
2. To cancel it press **MUTE** again.

#### Using the EQ (equalizer)

The equalizer lets you adjust the equalization to match car interior acoustic characteristics as desired.

There are five stored equalizer curves which you can easily recall at any time.

Here is a list of the equalizer curves:

- Pop : Reproduces the acoustics of pop music.
- Classic : Reproduces the acoustics of orchestral music.
- Rock : Reproduces the acoustics of rock music.
- Jazz : Reproduces the acoustics of jazz music.
- Vocal : Reproduces the acoustics of vocal music.

Press **EQ/XDSS** to select the equalizer on the unit.

Press EQ repeatedly to select among the following equalizer.

Pop → Classic → Rock → Jazz → Vocal → Off → Pop ....

#### **XDSS (Extreme Dynamic Sound System)**

You can reinforce the bass and create a more powerful sound.

Press **EQ/XDSS** for more than about 2 seconds.

"XDSS On" appears in the display window.

To cancel it, Press **EQ/XDSS** for more than about 2 seconds again.

#### SOUND MODE

1. Select the sound mode you want to adjust pressing **VOLUME KNOB** repeatedly on the front panel.
  - When the equalizer is selected to "Off" the EQ mode, the mode indicator lights up in the following order in the display window.  
VOL → BAS → TRB → BAL → FAD → LFE → SPK → VOL...
  - When the equalizer is selected to the EQ mode, the mode indicator lights up in the following order in the display window.  
VOL → BAL → FAD → LFE → SPK → VOL...

**TIP :** The BASS and TREBLE mode is not selected on the "XDSS On" mode.

2. Turn left or right **VOLUME KNOB** to adjust the sound quality within 5 seconds.

Sound mode	Turn left.	Turn right.
VOL (Volume)	Decrease the volume level.	Increase the volume level.
BAS (Bass)	Decrease the bass level.	Increase the bass level.
TRB (Treble)	Decrease the treble level.	Increase the treble level.
BAL (Balance)	Decrease the level of the right speaker(s).	Decrease the level of the left speaker(s).
FAD (Fader)	Decrease the level of the rear speakers.	Decrease the level of the front speakers.
LFE (Woofer volume)	Decrease the level of the woofer volume.	Increase the level of the woofer volume.
SPK (Loudness)	Loud off	Loud on



## Radio Operation

### Listening the radio stations

1. Press **POWER** (**POWER/SOURCE** on the front panel) button to turn the unit on.
  - When you select a source the unit is turned on.
2. Press **SOURCE** (**POWER/SOURCE** on the front panel) button to select the tuner.
  - Press **SOURCE** button until you see "Tuner" displayed.
3. Press **BAND** (**BND** on the front panel) button to select a band.
  - Press **BAND** button until the desired band is displayed, FM1, FM2, FM3, MW(AM).
4. To perform seek tuning, press the (**left**)/ (**right**) on the front panel or **SKIP** on the remote control with quick presses.
  - The frequency is changed in the display window. The tuner will scan the frequencies until a broadcast strong enough for good reception is found.
  - You can cancel seek tuning by pressing either the (**left**)/ (**right**) or **SKIP** with quick presses.
5. To perform manual tuning, press and hold the (**left**)/ (**right**) on the front panel for 1 second and release until you see "Manual" displayed. And then press the (**left**)/ (**right**) on the front panel or **SCAN/SLOW** on the remote control with quick presses.
  - The frequencies move up or down step by step.

#### **NOTES**

- During manual tuning, if the "Auto" indicator is displayed and disappeared for about 0.5 second, it will be entered to the seek tuning mode.
- When the selected frequency is being broadcast in stereo, "(ST)" indicator will light.

### Storing and recalling broadcast frequencies

If you press any of the **PRESET (1-6)** buttons you can easily store up to six broadcast frequencies for later recall with the touch of a button.

1. When you find a frequency that you want to store press the **PRESET (1-6)** buttons and hold until the preset number appears in the display window.
  - The number you have pressed will flash in the preset number indicator and then remain lit. The selected radio station frequency has been stored in memory.The next time you press the same **PRESET (1-6)** buttons the radio station frequency is recalled from memory.

#### **NOTES**

- Up to 18 FM stations, 6 for each of three FM bands and 6 MW(AM) stations can be stored in memory.
- When a station is stored on the preset station button which another frequency of the same band has already been stored, the previous preset station is erased automatically.

## Radio Operation



OPERATION

### Auto Search Memory

This function lets you automatically store the six strongest broadcast frequencies under PRESET (1-6) buttons.

1. Press **SOURCE (POWER/SOURCE)** on the front panel) button to select the tuner.
2. Press **AS** button on the front panel.  
The scanning starts from the currently displayed frequency to higher frequencies and stops when 6 stations have been preset or the receivable frequencies have been scanned once.

### **NOTES**

- The presetting is not performed if there is no station to be tuned in.
- When the automatic presetting is performed, the previous preset stations are automatically erased.
- To stop the automatic presetting, press AS button again or press any of the **PRESET (1-6)** buttons.

### **To scan the preset stations**

Press **PS** button.

Each preset station is tuned in for about 7 seconds in order.  
To stop the scanning, press **PS** button again or any of the **PRESET (1-6)** buttons.

### **To tune in the preset stations**

Press **BAND** to select the desired band and press the desired preset station buttons (1-6).

The number of the preset station button is displayed and the preset station is received.



## Operation with DISPLAY MENU

### General Explanation

You can display the general playback status on the TV screen. Some items can be changed using the menu. To use the on-screen display.

### On-Screen Display

General playback status can be displayed on the TV screen. Some items can be changed on the menu.

### On-screen display operation

1. Press **DISPLAY** during playback.
2. Press the (up)/ (down) or (up)/ (down) to select an item.  
The selected item will be highlighted.
3. Press the (left)/ (right) or (left) / (right) to change the setting.  
You can also use the number buttons if appropriate (e.g. inputting the title number). For some functions, press **ENTER** or **ENT** to execute the setting.

### Playback Status/ Restrictions

- Chapter Repeat chapter
- Resume play from this point (Pre-Stop mode)
- Action prohibited or not available

### NOTES

- Some discs may not provide all of the features on the on-screen display example shown below.
- If no button is pressed for 10 seconds, the on-screen display disappears.

### Example: On-Screen Display during playing DVD Video

Items	Selection Method
Title Number  1 / 3	/ ,  / Numbers, ENTER or ENT
Chapter Number  1 / 12	/ ,  / Numbers, ENTER or ENT
Time search  0:20:09	Numbers, ENTER or ENT
Audio language and Digital Audio Output mode  1 ENG 3/2.1CH	/ ,  /
Subtitle language  1 ENG	/ ,  /
Angle  1 / 3	/ ,  /

### Example: On-Screen Display during playing VCD

Items	Selection Method
Track Number (PBC off mode)  1 / 3	/ ,  / Numbers, ENTER or ENT
Time search  0:20:09	Numbers, ENTER or ENT
Audio Channel  Stereo	/ ,  /



## Operation with SET UP MENU



OPERATION

### Initial Settings

By using the Setup menu, you can make various adjustments to items such as picture and sound. You can also set a language for the subtitles and the Setup menu, among other things. For details on each Setup menu item, see pages 31 to 35.

#### To display and exit the Menu:

Press **SET UP** to display the menu. A second press of SET UP will take you back to initial screen. (You can also use the TRACK SKIP (-5) button on the front panel to display the menu.)

#### To go to the next level:

Press the **⏮ (right)** or **▶ (right)**.

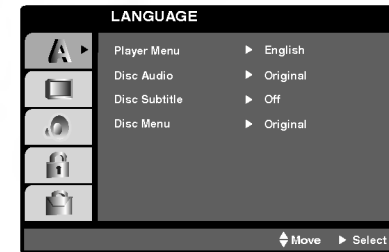
#### To go back to the previous level:

Press the **⏭ (left)** or **◀ (left)**.

### General Operation

1. Press the **-5** on the front panel or **SET UP** on the remote control. The Setup menu appears.
2. Use the **▲(up)/▼(down)** or **▲(up)/▼(down)** to select the desired option then press the **⏮ (right)** or **▶ (right)** to move to the second level. The screen shows the current setting for the selected item, as well as alternate setting(s).
3. Use the **▲(up)/▼(down)** or **▲(up)/▼(down)** to select the second desired option then press the **⏮ (right)** or **▶ (right)** to move to the third level.
4. Use the **▲(up)/▼(down)** or **▲(up)/▼(down)** to select the desired setting then press **ENTER** or **ENT** to confirm your selection. Some items require additional steps.
5. Press **-5**, **SET UP** or **PLAY (▶)** to exit the Setup menu.

### LANGUAGE



#### Player Menu

Select a language for the Setup menu.

#### Disc Audio / Subtitle / Menu **DVD**

Select the language you prefer for the audio track (Disc Audio), subtitles, and the disc menu.

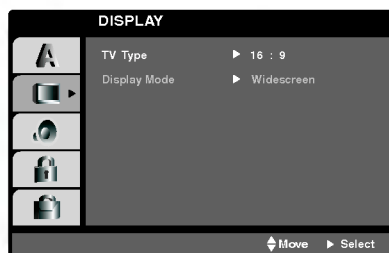
**Original:** Refers to the original language in which the disc was recorded.

**Other:** To select another language, press number buttons to enter the corresponding 4-digit number according to the language code list on page 41. And then press **ENTER** or **ENT**.

If you enter the wrong language code, input the complete 4-digit number and press **ENTER** or **ENT**. And then input the 4-digit number correctly.



## Operation with SET UP MENU



### TV Type **DVD**

**4:3:** Select when a standard 4:3 TV is connected.

**16:9 :** Select when a 16:9 wide TV is connected.

### Display Mode **DVD**

Display Mode setting works only when the TV Type mode is set to "4:3".

**Letterbox:** Displays a wide picture with bands on the upper and lower portions of the screen.

**Panscan:** Automatically displays the wide picture on the entire screen and cuts off the portions that do not fit.

## AUDIO

Each DVD disc has a variety of audio output options. Set the player's AUDIO options according to the type of audio system you use.



### Dolby Digital / DTS / MPEG **DVD**

**Bitstream:** Select "Bitstream" if you connect the Car DVD Receiver's DIGITAL OUT jack to an amplifier or other equipment with a Dolby Digital, DTS or MPEG decoder.

**PCM (for Dolby Digital / MPEG):** Select when connected to a two-channel digital stereo amplifier. DVDs encoded in Dolby Digital or MPEG will be automatically downmixed to two-channel PCM audio.

**Off (for DTS):** If you select "Off", the DTS signal is not output through the DIGITAL OUT jack.

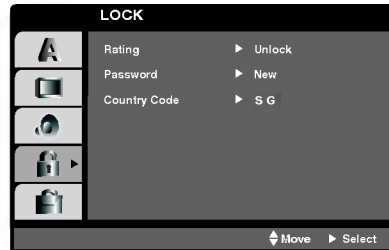
### Dynamic Range Control (DRC) **DVD**

With the DVD format, you can hear a program's soundtrack in the most accurate and realistic presentation possible, thanks to digital audio technology. However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones). This allows you to listen to a movie at a lower volume without losing clarity of sound. Set DRC to On for this effect.

## Operation with SET UP MENU



### LOCK (Parental Control)



#### Rating **DVD**

Some movies contain scenes that may not be suitable for children to view. Many of these discs contain parental control information that applies to the complete disc or to certain scenes on the disc. Movies and scenes are rated from 1 to 8, depending on the country. Some discs offer more suitable scenes as an alternative.

The parental control feature allows you to block access to scenes below the rating you input, thereby preventing your children from being able to view material you believe is unsuitable.

1. Select "Rating" on the LOCK menu then press the **➤ (right)** or **▶ (right)**.

2. To access the Rating, Password and Country Code features, you must input the 4-digit security code you created. If you have not yet entered a security code you are prompted to do so.

Input a 4-digit code and press ENTER or ENT. Enter it again and press ENTER or ENT to verify. If you make a mistake before pressing ENTER or ENT, press the **⬅ (left)** or **◀ (left)**.

3. Select a rating from 1 to 8 using the **⬆ (up)**/**⬇ (down)** or **▲ (up)**/**▼ (down)** buttons.

**Rating 1-8:** Rating one (1) has the most restrictions and rating eight (8) is the least restrictive.

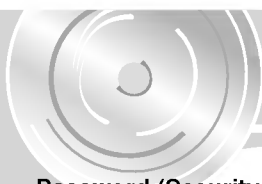
#### Unlock

If you select unlock, parental control is not active and the disc plays in full.

#### NOTE

If you set a rating for the player, all disc scenes with the same rating or lower are played. Higher rated scenes are not played unless an alternate scene is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback stops. You must enter the 4-digit password or change the rating level in order to play the disc.

4. Press **ENTER** or **ENT** to confirm your rating selection, then press SET UP to exit the menu.



## Operation with SET UP MENU

### Password (Security Code)

You can enter or change password.

1. Select Password on the LOCK menu then press the **⏮(right)** or **▶(right)**.
2. Follow step 2 as shown on page 27 (Rating). "Change" or "New" is highlighted.
3. Enter the new 4-digit code, then press **ENTER** or **ENT**. Input it again to verify.
4. Press SET UP to exit the menu.

#### *If you forget your Security Code*

If you forget your security code you can clear it using the following steps:

1. Press SET UP to display the Setup menu.
2. Input the 6-digit number "210499" and the security code is cleared.
3. Enter a new code as described above.

### Country Code **DVD**

Enter the code of the country/area whose standards were used to rate the DVD video disc, based on the list in the reference chapter.

1. Select "Country Code" on the LOCK menu then press the **⏮(right)** or **▶(right)**.
2. Follow step 2 as shown on page 27 (Rating).
3. Select the first character using the **⏮(up)/⏭(down)** or **▲(up)/▼(down)** buttons.
4. Shift the cursor using the **⏮(right)** or **▶(right)** button and select the second character using the **⏮(up)/⏭(down)** or **▲(up)/▼(down)** buttons.
5. Press **ENTER** or **ENT** to confirm your country code selection.

## Operation with SET UP MENU



### OTHERS

The PBC, Auto Play and B.L.E. settings can be changed.



#### PBC **VCD**

Set Playback Control (PBC) to On or Off.

**On:** Video CDs with PBC are played according to the PBC.

**Off:** Video CDs with PBC are played the same way as Audio CDs.

#### **NOTE**

The PBC function is only available to play the Video CD 2.0.

#### Auto Play **DVD**

You can set up the Car DVD receiver so a DVD disc automatically starts playing whenever the DVD is inserted.

If Auto Play mode is set to On, this Car DVD receiver will search for title that has the longest playback time and then play back the title automatically.

**On:** Auto Play function is active.

**Off:** Auto Play function is not active.

#### **NOTE**

The Auto Play function may not work for some DVDs.

#### B.L.E. (Black Level Expansion) **DVD** **VCD**

To select the black level of playback pictures. Set your preference and monitor's ability.

**On:** Expanded grey scale.

**Off:** Standard grey scale.

#### **NOTE**

The B.L.E. function works NTSC system only.



## Operation with DVD and Video CD

### Playing a DVD and Video CD

1. Press **▲ OPEN/CLOSE** button on the front panel.
2. Insert a disc in the unit.  
"Reading" appears on the display window, and playback starts automatically. If playback does not start, press **PLAY (▶)**.  
In some cases, the disc menu might appear instead.

#### **TIP**

- **If a menu screen is displayed**

The menu screen may be displayed first after loading a DVD or Video CD 2.0 which offer a menu.

- **Auto reloading**

If any button is not pressed after a disc is ejected, a disc is loaded automatically in about 10 seconds.

#### **DVD**

Use the the **◀ (left) / ▶ (right) / ▲ (up) / ▼ (down)** or **◀ (left) / ▶ (right) / ▲ (up) / ▼ (down)** buttons to select the title/chapter you want to view, then press **ENTER** or **ENT** to start playback.  
Press **DVD MENU** to return to the menu screen.

#### **VCD**

Use the number buttons to select the track you want to view. Press **RETURN** to return to the menu screen. Menu settings and operating procedures may differ. Follow the instructions on the each menu screen. You also may set PBC to Off under setup. See page 29.

#### **NOTES**

- If parental control is set and the disc is not within the rating settings you must input the password. (See "LOCK" menu on page 27).
- DVDs may have a region code. Your player does not play discs that have a region code different from your player. The region code for this player is 2 (two).

## Operation with DVD and Video CD



OPERATION

### General Features

#### Pre-Stop **DVD** **VCD**

1. Press **STOP** (■) during playback.  
“Pre-Stop” appears in the display window.
2. To return to playback, if you press **PLAY** (▶) on Pre-Stop mode, it will be played from this point you stop.

#### Stop **DVD** **VCD**

1. Press **STOP** (■) on the Pre-Stop mode.
- 2 To return to playback, if you press **PLAY** (▶), it will be played from the first point of the disc.

#### Pause **DVD** **VCD**

1. Press **PAUSE** (⏸) during playback.
2. To return to playback, press **PLAY** (▶).

### Still Picture and Frame-by-Frame playback

#### **DVD** **VCD**

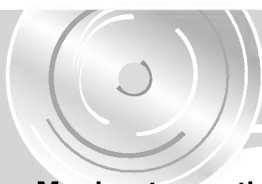
1. Press **PAUSE** (⏸) during playback.  
The unit will now go into PAUSE mode.
2. You can advance the picture frame-by-frame by pressing **PAUSE** (⏸) repeatedly on the remote control.
3. To return normal playback, press **PLAY** (▶).

#### Slow Motion **DVD** **VCD**

1. Press **PAUSE** (⏸) during playback.  
The unit will now go into PAUSE mode.
2. Use the **SCAN/SLOW** (◀▶) to select the required speed:  
◀▶ 1/16, ◀▶ 1/8, ◀▶ 1/4, or ◀▶ 1/2 (backward), or ▶▶ 1/16, ▶▶ 1/8, ▶▶ 1/4, or ▶▶ 1/2 (forward).  
With a Video CD, the Slow speed changes: ▶▶ 1/16, ▶▶ 1/8, ▶▶ 1/4 or ▶▶ 1/2 (forward).
3. To exit Slow Motion mode, press **PLAY** (▶).

#### **NOTE**

Slow motion playback in reverse is not possible with Video CDs.



## Operation with DVD and Video CD

### Moving to another TITLE **DVD** **VCD**

When a disc has more than one title, you can move to another title as follows:

1. Press **DISPLAY**.
2. Press the appropriate numbered button (0-9) to select a title number.

### Search **DVD** **VCD**

1. Press **SCAN/SLOW** briefly on the remote control during playback.  
The unit will now go into SEARCH mode.
2. Press **SCAN/SLOW** repeatedly to select the required speed: X2, X4, X16, X100 (backward) or X2, X4, X16, X100 (forward).  
With a Video CD, the Search speed changes: X2, X4, X8, (backward) or X2, X4, X8, (forward).
3. To return normal playback, press **PLAY** ().

### Moving to another CHAPTER/TRACK **DVD** **VCD**

When a title on a disc has more than one chapter or a disc has more than one track, you can move to another chapter/track as follows:

- Press **SKIP** briefly during playback to select the next chapter/track or to return to the beginning of the current chapter/track.
- Press **SKIP** twice briefly to step back to the previous chapter/track.
- To go directly to any chapter during DVD playback, press **DISPLAY** and press the (up)/ (down) or (up)/ (down) to select the chapter/track icon. Then, input the chapter/track number or use the (left)/ (right) or (left)/ (right).

#### NOTE

For two-digit numbers, press the numbered buttons (0-9) in rapid succession.



## Operation with DVD and Video CD



### Repeat **DVD** **VCD**

#### DVD Video Discs - Repeat Chapter/Title/Off

1. To repeat the currently playing chapter, press **RPT** or **REPEAT**.  
The Repeat "Chapter" icon appears on the TV screen.
2. To repeat the title currently playing, press **RPT** or **REPEAT** for more than 1 second.  
The Repeat "Title" icon appears on the TV screen.
3. To exit Repeat mode, press **RPT** or **REPEAT** again.  
The Repeat "Off" icon appears on the TV screen.

#### Video CDs - Repeat Track/Off

1. To repeat the track currently playing, press **RPT** or **REPEAT**.  
The Repeat "Track" icon appears on the TV screen.
2. To exit Repeat mode, press **RPT** or **REPEAT** again.  
The Repeat "Off" icon appears on the TV screen.

#### NOTE

On a Video CD with PBC, you must set PBC to Off on the setup menu to use the repeat function. (See "PBC" on page 29.)

### Random **VCD**

1. Press **RDM** or **RANDOM** during playback.  
The unit automatically begins random playback and "Random" appears on the TV screen.
2. To return normal playback, press **RDM** or **RANDOM** again.  
"Normal" appears on the TV screen.

#### NOTES

- On a Video CD with PBC, You must set PBC to Off on the setup menu to use the random function (See "PBC" on page 29).
- By pressing **⏮(right)** or **SKIP ►►** during random playback, the unit selects another title (track) and resumes random playback.

### Time Search **DVD**

The Time Search function allows you to start playing at any chosen time on the disc.

1. Press **DISPLAY** during playback. The on-screen display appears on the screen.  
The Time Search box shows the elapsed playing time of the current disc.
2. Within 10 seconds, press the **⬆(up)/⬇(down)** or **⬆(up)/⬇(down)** to select the Time Search icon in the on-screen display.  
The ":-:--" appears in the Time Search box.
3. Within 10 seconds, use the number buttons to enter the required start time. Enter hours, minutes, and seconds from left to right in the box.
4. Within 10 seconds, press **ENTER** or **ENT** to confirm the start time.  
Playback starts from the selected time on the disc. If you enter an invalid time, playback will continue from the current point.