



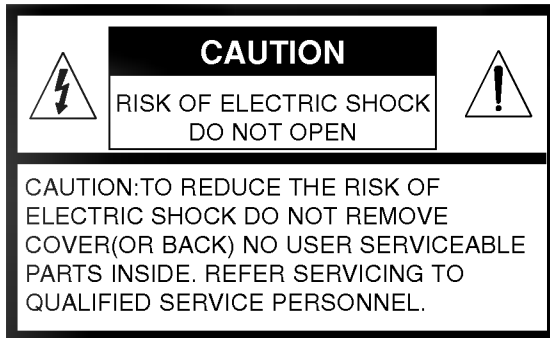
DVD RADIO CASSETTE OWNER'S MANUAL

MODEL: LPC-D1000A/X/S



Please read this manual carefully before operating
your set.
Retain it for future reference.

Designs and specifications are subject to change
without notice for improvement.



Explanation Graphical Symbols:



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



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

WARNING

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

To avoid electrical shock, do not open the cabinet, Refer servicing to qualified personnel only.

The apparatus should not be exposed to dripping or splashing objects filled with liquids, such as vases, should not be placed on the apparatus.

Do not install this equipment in a confined space such a bookcase or similar unit.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

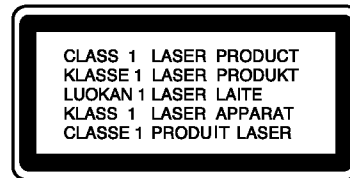
Laser component in this product is capable of emitting radiation not exceeding the limit for Class 1.

CAUTION: INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

WARNING: OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD STRÅLEN ÄR FARLIG.

Attention: Quand l'appareil est ouvert, ne pas s'exposer aux radiations invisibles du faisceau laser.

This label is located on the interior.



This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the exterior.

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Introduction

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

This manual provides information on the operation and maintenance of your unit. Should the unit require service, contact an authorized service location.

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.



The exclamation point alerts you to the presence of important operating and maintenance / servicing instructions.



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 and finalized DVD±R/RW



Video CDs



Audio CDs



MP3 Discs



WMA Discs



JPEG Discs

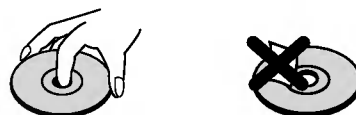
About the Symbol Display

" " may appear on your TV display during operation and indicates that the function explained in this owner's manual is not available on that specific DVD video disc.

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.

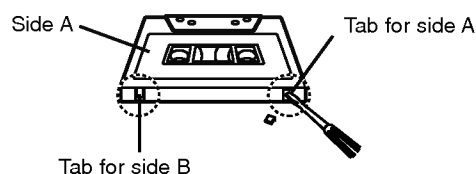


Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

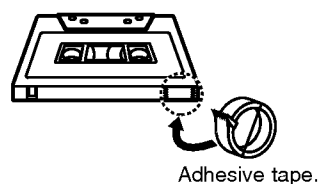
Notes on Tapes

Preventing record

Removing the tab(s) of the cassette (with a small screwdriver) will prevent accidental erasure.



To record again, cover the hole of the tab with adhesive tape.



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)

In addition, this unit plays DVD -R, DVD +R, DVD -RW, DVD +RW, SVCD, and CD-R / CD-RW that contains audio titles, MP3, WMA, and JPEG files.

Notes:

- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD -R, DVD +R, DVD -RW, DVD +RW) disc itself, some CD-R/RW (or DVD -R, DVD +R, DVD -RW, DVD +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) since they 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 unit 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 TV screen.

Disc-related terms

DVD $\pm$ R / DVD $\pm$ RW

DVD -R and DVD +R are two different standards for recordable DVD drives and discs. This format allows information to be recorded onto the DVD disc only once. DVD +RW and DVD -RW are two standards for re-writable media, meaning the DVD content can be erased and re-recorded. Single-sided discs can hold 4.38 Gigabytes and double-sided discs hold twice as much. There are no dual layer single sided recordable discs.

VCD (Video CD)

A VCD holds up to 74 minutes (650 MB disc) or 80 minutes (700 MB disc) of MPEG-1 full-motion video along with quality stereo sound.

MPEG

MPEG is an international standard for video and audio compression. MPEG-1 is used in encoding video for VCD and provides for multichannel surround sound coding such as PCM, Dolby Digital and MPEG audio.

MP3

MP3 is a popular compression format used for digital audio files that yields very high near-CD quality.

WMA

Windows media audio file. A type of coding / decoding developed by Microsoft Corp.

JPEG

Joint Pictures Expert Group. JPEG is a compressed file format that allows you to save images with no limit on the number of colors.

PBC: Playback Control (Video CD only)

Playback control is available for Video CD (VCD) version 2.0 disc formats. PBC allows you to interact with the system via menus, search functions, or other typical computer-like operations. Moreover, still pictures of high resolution can be played if they are included in the disc. Video CDs not equipped with PBC (Version 1.1) operate in the same way as audio CDs.

Title (DVD video discs only)

A title is generally a distinct section of a DVD disc. For example the main feature could be title 1, a documentary describing how the film was made could be title 2, and cast interviews could be title 3. Each title is assigned a reference number enabling you to locate it easily.

Chapter (DVD video discs only)

A chapter is a segment of a title such as a scene in a film or one interview in a series. Each chapter is assigned a chapter number, enabling you to locate the chapter you want. Depending on the disc, chapters may not be recorded.

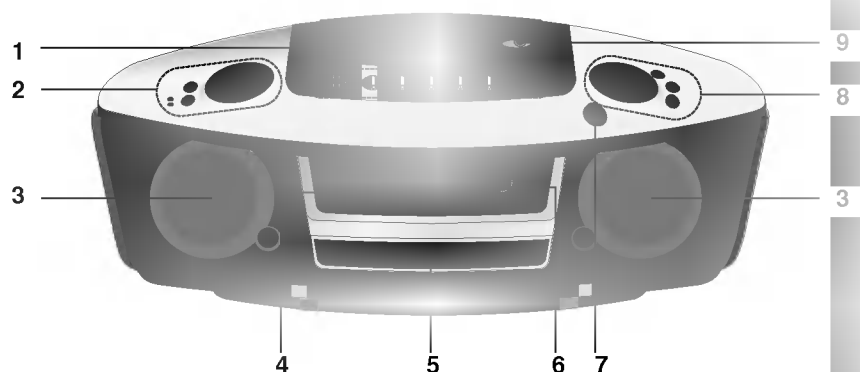
Scene (VCD)

On a video CD with PBC (playback control) functions, moving pictures and still pictures are divided into sections called "scenes". Each scene is displayed in the menu screen and assigned a scene number, enabling you to locate the scene you want. A scene is composed of one or several tracks.

Track

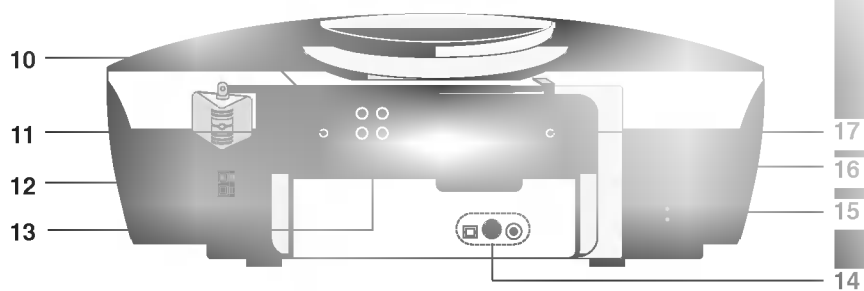
A distinct element of audiovisual information, such as the picture or sound track for a specific language (DVD), or a musical piece on a video or audio CD. Each track is assigned a track number, enabling you to locate the track you want. DVD discs allow one track of video (with multiple angles) and several tracks of audio.

Front Panel



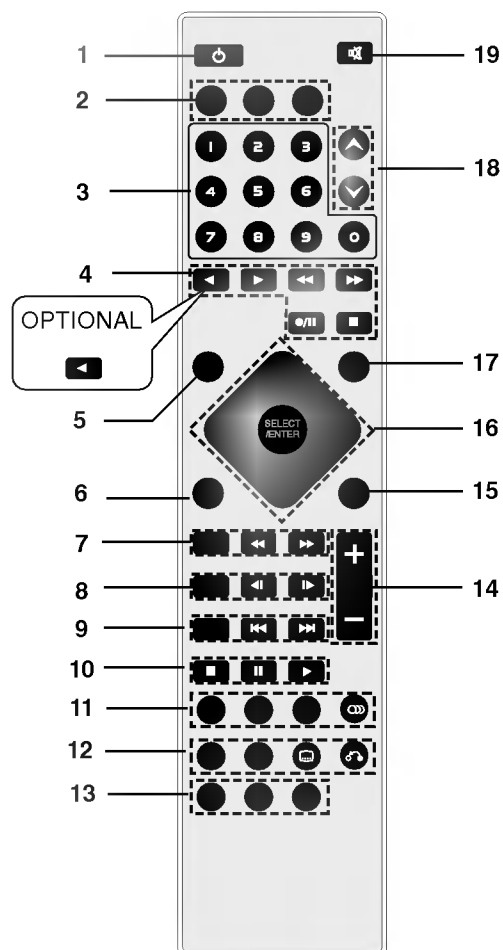
- | | |
|---|--|
| <p>1. • RECORD/RECORD PAUSE (●/) button
 • CD(II)/STEP/SET/COUNTER RESET button
 • TUNING/TIME(-/+), CD SKIP/SEARCH (◀◀◀/▶▶▶), TAPE REWIND/FAST FORWARD (◀◀◀/▶▶▶) buttons
 • PRESET(-/+), CD PLAY (▶), TAPE PLAY(▶) [TAPE REVERSE PLAY (◀) button:OPTIONAL] buttons.
 • STOP (■)/CLEAR button</p> <p>2. • FUNCTION SELECT buttons
 • XDSS button
 • AM/FM/BAND button
 • CD SYNC. button
 • REPEAT/RIF/FM MODE button
 • PROGRAM/MEMORY button
 • TAPE SPEED button
 • TAPE SPEED (-10%, +10%) indicator
 • ⏻STANDBY/ON</p> | <p>3. LEFT/RIGHT SPEAKERS
 4. LCD (DISPLAY WINDOW)
 5. CD DOOR
 6. REMOTE SENSOR
 7. ▲CD OPEN/CLOSE button
 8. • VOLUME (-/+) button
 • TIMER button
 • CLOCK button
 • PLAY MODE button : OPTIONAL
 9. TAPE DOOR (PUSH EJECT)</p> |
|---|--|

Rear Panel



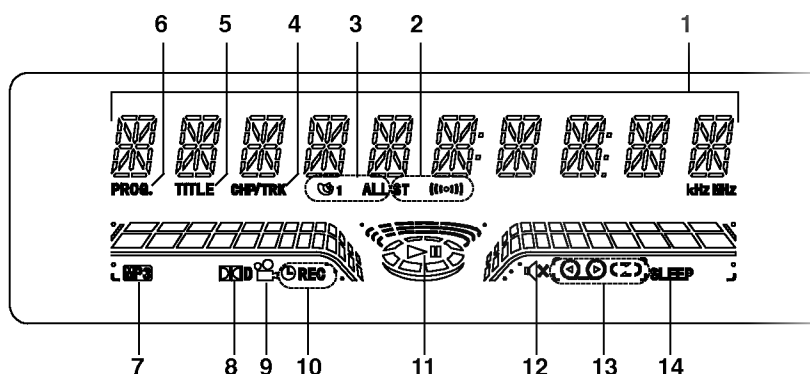
- | | |
|---|---|
| <p>10. FM ANTENNA
 11. MICROPHONE SOCKET - ϕ 3.5mm.(OPTIONAL)
 12. AM ANTENNA TERMINAL
 13. AUDIO Input/Output Connectors</p> | <p>14. • OPTICAL OUT Connector
 • S-VIDEO OUT Connector
 • VIDEO OUT Connector
 15. AC POWER INPUT SOCKET
 16. VOLTAGE SELECTOR [OPTIONAL]
 17. HEADPHONE SOCKET (🎧 PHONES)
 - ϕ 3.5mm.</p> |
|---|---|

Control



1. POWER button
2. Function select buttons
(TUNER/BAND, DVD/CD, AUX)
3. Numeric buttons
4. TAPE FUNCTION buttons
 - BACKWARD PLAY (◀): OPTIONAL
 - FORWARD PLAY (▶) button
 - FAST REWIND/FAST FORWARD PLAY (◀◀/▶▶) buttons
 - RECORD/RECORD PAUSE (●/||) button
 - STOP (■) button
5. SET UP button
6. MENU button
7. • PROGRAM button
 - SCAN(-◀◀/▶▶+) buttons
8. • REPEAT button
 - SLOW(-◀||/||▶+) buttons
9. • REPEAT A-B
 - SKIP(-◀◀ / ▶▶|+) buttons
10. DVD/CD CONTROL buttons
 - STOP (■) button
 - PAUSE/STEP (||) button
 - PLAY (▶) button
11. • EQ PATTERN (EQ) button
 - SURROUND(SURR.) button
 - XDSS button
 - AUDIO(🔊) button
12. • MARKER button
 - SEARCH button
 - S-TITLE button
 - RETURN (↶) button
13. • CLEAR button
 - ZOOM button
 - SLEEP button
14. VOLUME (-/+) buttons
15. TITLE button
16. • ARROW buttons
 - SELECT/ENTER button
17. DISPLAY button
18. PRESET (▼/▲) buttons
19. MUTE button

Display Window

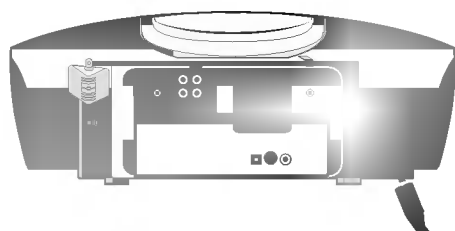


- | | |
|--|--|
| <ol style="list-style-type: none"> 1. function indicator 2. STEREO indicator 3. REPEAT indicator 4. CHAPTER/TRACK indicator 5. TITLE indicator 6. PROGRAM indicator 7. MP3 file indicator 8. Indicates current audio stream 9. ANGLE active indicator | <ol style="list-style-type: none"> 10. • RECORD/ RECORD PAUSE indicator • TIMER indicator 11. PLAY/PAUSE indicator 12. MUTE indicator 13. • TAPE PLAY (◀/▶) DIRECTION indicator (OPTIONAL) • TAPE PLAY MODE (◀▶) indicator (OPTIONAL) 14. SLEEP indicator |
|--|--|

Installation and Setup

The AC Power Cord Connection

1. Before connecting the AC power cord, check that the operating voltage of your unit is identical with the voltage of your mains supply.
2. Connect one end of the AC power cord (supplied) to the AC IN socket located at the backside of your unit.
3. Plug the other end into the wall outlet.



Note:

- Unplug the AC power cord from the wall outlet if you do not to use for an extended period of time.

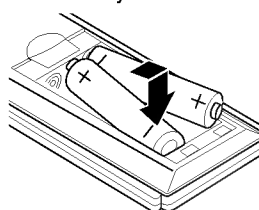
Adjusting the voltage (OPTIONAL)

If your unit is equipped with a voltage selector, be sure to set it to your local power supplied before connecting the AC power cord.

Battery Installation

Remote Control

1. Remove the battery cover on the rear of the remote control.
2. Insert two R03 (size AAA) batteries with + and - aligned correctly.



3. Replace the battery cover.

Notes:

- To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the unit for an extended period of time.
- When the batteries are weak, replace all the batteries with new ones.
- Do not mix old and new batteries.

Connections

VIDEO OUT jack connection

Connect the VIDEO OUT jack on the back of the unit to a VIDEO IN jack of a TV or monitor.

AUDIO OUT jacks connection

Connect the AUDIO OUT jack on the back of the unit to a AUDIO IN jack of a TV or monitor.

AUDIO IN jacks connection

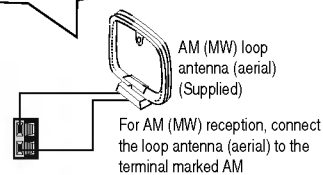
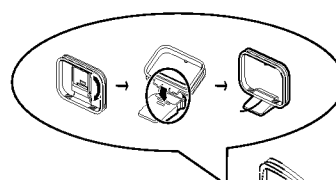
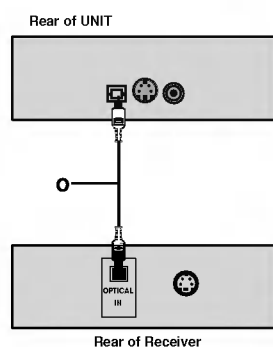
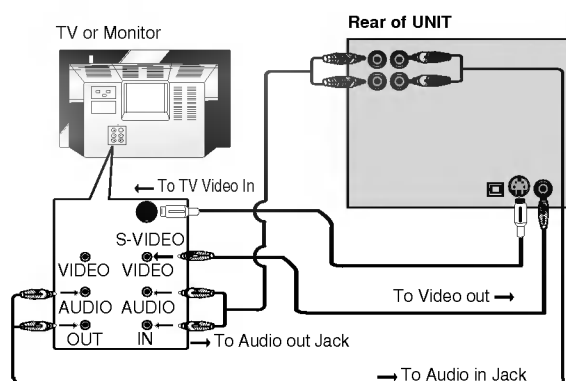
Connect the AUDIO IN jack on the back of the unit to a AUDIO OUT jack of a TV or monitor.

S-Video connection

Connect the S-VIDEO OUT jack on the unit to the S-VIDEO IN jack on the TV using the S-Video cable .

OPTICAL OUT connection

Connect an optical input of receiver to the OPTICAL OUT connector (O).



Antenna Connection

Connect the supplied AM(MW) antennas for listening to the radio.

Note:

- To prevent noise pickup, keep the AM loop antenna away from other components.

Sound Adjustment

Mini Glossary for Audio Stream & Surround mode

DIGITAL

The Dolby Digital surround format lets you enjoy up to 5.1 channels of digital surround sound from a Dolby Digital program source. If you play DVDs with “” mark, you can enjoy even better sound quality, greater spatial accuracy, and improved dynamic range.

BYPASS

Software with multichannel surround audio signals is played according to the way it was recorded.

Sound Quality Adjustment

You can choose between 4 fixed sound settings. Select a desired sound mode by using EQ button on the remote control.

FLAT : linear frequency response
 ROCK : more bass, more treble
 POP : less bass, less treble
 CLASSIC : for orchestral music

XDSS (Extreme Dynamic Sound System)

Press XDSS to reinforce treble, bass and the surround effect. The “XDSS ON” or “XDSS OFF” indicator lights. To cancel, press XDSS again.

SURROUND

To activate surround mode

Press **SURR.** to reinforce surround effect.

SURROUND OFF ↔ SURROUND ON

Volume Adjustment

Press VOLUME (+) to increase the sound level, or press the VOLUME (-) to decrease it.

MUTE

Press **MUTE** to mute your unit.

You can mute your unit in order, for example, to answer the telephone, the “MUTE” indicator flashes in the display window.

Headphone Socket

Connect a stereo headphone plug (ø 3.5mm) into the headphone jack.

The speakers are automatically disconnected when you plug in the headphones (not supplied).

Microphone Socket (OPTIONAL)

Connect a microphone plug (ø 3.5mm) into the microphone jack.

Adjusting Tape speed

Select the tape speed (-10/ 0 /+10) you want by press TAPE SPEED button repeatedly during the tape playback.

-10% → 0% → +10% → 0%

On-Screen Display

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:

1. Press **DISPLAY** during playback.
2. Press **▲ / ▼** to select an item. The selected item is highlighted.
3. Press **◀ / ▶** to change the setting. You can also use the number buttons if appropriate (e.g. inputting the title number). For some functions, press **SELECT/ENTER** to execute the setting.

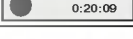
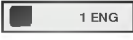
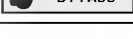
Notes:

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

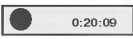
Playback Status/Restrictions

	Title	Repeat title
	A - B	Repeat sequence
	1 / 9	Enter a Marker
	MARKER SEARCH	Marker Search menu
		Resume play from this point
		Action prohibited or not available

Example: On-Screen Display during playing DVD Video

Items		Selection Method
Title Number		◀ / ▶, Numbers SELECT/ENTER
Chapter Number		◀ / ▶, Numbers SELECT/ENTER
Time search		Numbers, SELECT/ENTER
Audio language and Digital Audio Output mode		◀ / ▶ or AUDIO
Subtitle language		◀ / ▶ or S-TITLE
Angle		◀ / ▶
Sound		

Example: On-Screen Display during playing VCD

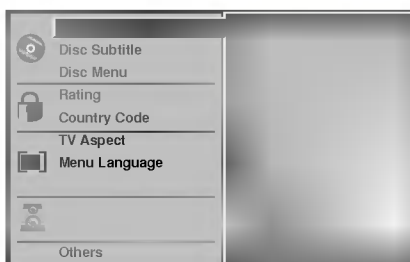
Items		Selection Method
Track Number (or PBC mode)		◀ / ▶, Numbers SELECT/ENTER
Time search		Numbers SELECT/ENTER
Audio Channel		◀ / ▶ or AUDIO
Sound		

Initial Settings

You can set your own Personal Preferences on the unit.

General Operation

1. **Press SET UP.**
The setup menu appears.
2. **Press ▲/▼ to select the desired item.**



The screen will show the current setting for the selected item, as well as alternate setting(s).

3. **While the desired item is selected, press ►, then ▲/▼ to select the desired setting.**
4. **Press SELECT/ENTER to confirm your selection.**
Some items require additional steps.
5. **Press SETUP, RETURN, or PLAY to exit the setup menu.**

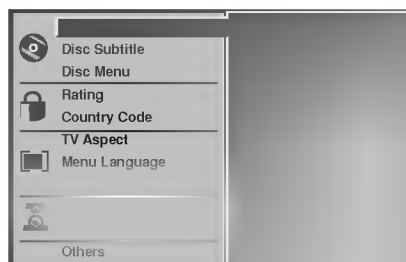
Language

Disc Language

Select a language for the disc's Menu, Audio, and Subtitle.

Original : The original language set for the disc is selected.

Other : To select another language, press number buttons to enter the corresponding 4-digit number according to the language code list on page 28. If you enter the wrong language code, press CLEAR.



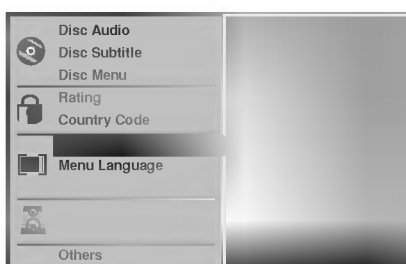
Menu Language

Select a language for the setup menu. This is the menu you see when you press SETUP.



Picture

TV Aspect



4:3 Letterbox: Select when a standard 4:3 TV is connected. Displays theatrical images with masking bars above and below the picture.

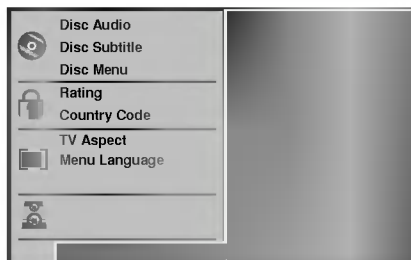
4:3 Panscan: Select when a conventional TV set is connected. The video material formatted in the Pan & Scan style is played back in that style (Both sides of the picture are cut off).

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

Others

The DRC, Vocal, PBC and Auto Play settings can be changed.

- Press ▲/▼ to select the desired item and press SELECT/ENTER. The setting of the selected item is changed between On and Off.



Dynamic Range Control (DRC)

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). Then, you may listen to a movie at a lower volume without losing clarity of sound. Set DRC to On for this effect.

Vocal

Set Vocal to On only when a multi-channel karaoke DVD is playing. The karaoke channels on the disc will mix into normal stereo sound.

PBC

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.

Auto Play

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

If Auto Play mode is set to On, this unit will search a title that playback time is longest and then play back the title automatically.

On: Auto Play function is activated.

Off: Auto Play function is not activated.

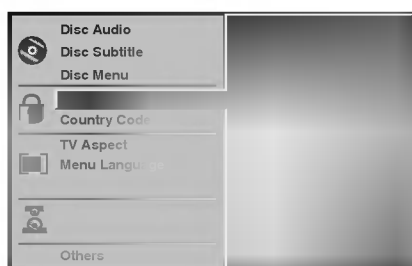
Note:

The Auto Play function may not work for some DVDs.

Parental Control

Rating

Movies on DVDs may contain scenes not suitable for children. Therefore, discs may contain Parental Control information that applies to the complete disc or to certain scenes on the disc. These scenes are rated from 1 to 8, and alternatively, more suitable scenes are available for selection on some discs. Ratings are country-dependent. The Parental Control feature allows you to prevent discs from being played by your children or to have certain discs played with alternative scenes.



1. Select "Rating" on the Setup menu using the ▲/▼ buttons.
2. While "Rating" is selected, press ►.
3. When you have not entered a password.
Enter a 4-digit password using the number buttons to create a personal 4-digit security password. then press SELECT/ENTER. Enter the 4-digit password again and press SELECT/ENTER to verify.
When you have already registered a password;
Enter a 4-digit password using the numbered buttons to confirm the personal 4-digit security password, then press SELECT/ENTER.
If you make a mistake before pressing SELECT/ENTER, press CLEAR and enter 4-digit security password again.
4. Select a rating from 1 to 8 using the ▲/▼ buttons. One (1) has the least playback restrictions. Eight (8) has the most playback restrictions.
Unlock: If you select Unlock, Parental Control is not active. The disc will play in full.
Ratings 1 to 8: Some discs contain scenes not suitable for children. If you set a rating for the player, all disc scenes with the same rating or lower will be played. Higher rated scenes will not be played unless an alternative scene is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback will stop. You must enter the 4-digit password or change the rating level in order to play the disc.
5. Press SELECT/ENTER to confirm your rating selection, then press SETUP to exit the menu.

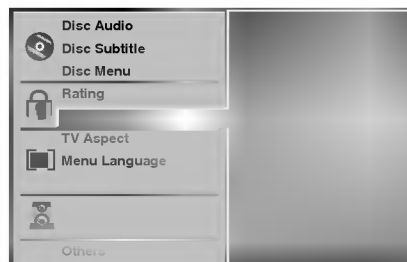
Note:

This function may not work for some DVDs.

Country Code

Enter the code of a country/area whose standards were used to rate the DVD video disc, referring to the list .

1. Select Country Code using the ▲/▼ buttons on the setup menu.



2. While Country Code is selected, press ►.
3. Follow step 3 of "Rating" on left.
4. Select the first character using the ▲/▼ buttons.
5. Shift the cursor using ► button and select the second character using ▲/▼ buttons.
6. Press SELECT/ENTER to confirm your country code selection, then press SETUP to exit the menu.

Note:

Confirmation of the 4-digit password is necessary when the code is changed (see "Changing the 4-digit code" below.).

Changing the 4-digit code

1. Follow Steps 1-2 as shown above to the left (Rating).
2. Enter the old code, then press SELECT/ENTER.
3. Select Change using ▲/▼ buttons then press SELECT/ENTER.
4. Enter the new 4-digit code, then press SELECT/ENTER.
5. Enter exactly the same code a second time and verify by pressing SELECT/ENTER.
6. Press SETUP to exit the menu.

If you forget your 4-digit code

If you forget your password, to clear the current password, follow the procedure below.

1. Press SETUP to display the setup menu.
2. Use the Number buttons to enter the 6-digit number "210499".
The 4-digit password is cleared.
3. Enter a new code as shown above to the left (Rating).

Operation

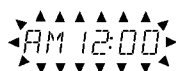
Auto Function Selection

- If you press CD PLAY (▶) whilst in radio mode, CD function will be selected.
- If you press PRESET (▼/▲) or TUNER/ BAND during CD or CASSETTE play, radio function will be selected.

Setting the Clock

1. **Press CLOCK.**
(If the clock is requires setting, press and hold CLOCK for more than 2 seconds.)

2. **Select a 24 hour cycle or 12 hour cycle by pressing TUNING/TIME (-/+).**



(12HR)

or



(24HR)

3. **Press SET to confirm the selected hour cycle.**
4. **Use TUNING/TIME (-/+) to set the correct hour.**
5. **Press SET.**
6. **Use TUNING/TIME (-/+) to set the correct minutes.**
7. **Press SET and the correct time is shown on the display.**
8. **Press the CLOCK button at any time to display the time for about 5 seconds.**

Using the Sleep Function

When the sleep timer is used, the power is automatically turned off after the specified time has elapsed.

1. **To specify the time delay before the power is turned off, press SLEEP.**
In the display window shows "SLEEP 90" for about 5 seconds. This means that the system turns off automatically after 90 minutes.
Each time the button is pressed the time interval before it turns off is reduced by 10 minutes. i.e. 80...70... etc.
Select the desired time to turn off.
2. **To check the remaining time until the power is turned off.**
While the sleep function is active press SLEEP briefly. The time remaining until it turns off is displayed for about 5 seconds.

Note:

If you press SLEEP while the sleep time is displayed, the SLEEP time is reset.

To cancel the sleep timer mode

If you wish to turn off the function, press the SLEEP button repeatedly until "SLEEP 10" appears, and then press SLEEP once again while "SLEEP 10" is displayed.

Using Microphone (OPTIONAL)

You can sing to a music source by connecting a microphone to unit.

1. **Connect your microphone (not supplied) to the MIC socket.**
2. **Play a music you want.**
3. **Sing along with the accompaniment.**

For your reference

You can record during using microphone.
Refer to the "Recording" explanation section.

Timer

- The unit is automatically turned on and off at the time you want.
- Select your desired radio station, press DVD/CD button and load a disc or press FUNCTION button to select the tape mode and insert a TAPE.

1. Press CLOCK to check the current time. For your reference

If you do not set clock, the timer function doesn't work.

2. Press TIMER to enter the timer setting mode. TUNER-CD-TAPE flashes in the display window in turn.

For your reference

- To correct the previous memorized TIMER setting, press and hold the TIMER button more than 2 seconds.
- The previous memorized timer on time and TIMER indicators appear in the display window.

3. Press SET when the desired function is flashing.

4. a. When you select the TUNER function, "PLAY" and 'REC' indicator flash in the display window alternately for about 3 seconds.

"PLAY" indicator : TUNER play only

"REC" indicator : TUNER play and recording

b. Press SET when the desired function is flashing.

c. Select the previous memorized preset number with TUNING/TIME (-/+) button and press SET.

"ON" indicator appears for about 0.5 seconds in the display window and then disappears.

When you select the CD or TAPE functions,

"ON" indicator appears for about 0.5 seconds in the display window and then disappears.

5. Set the hour to switch on by pressing TUNING/TIME (-/+).

6. Press SET to confirm the hour to switch on.

7. Set the minute to switch on by pressing TUNING/TIME (-/+).

8. Press SET to confirm the minute to switch on. "OFF" indicator appears for about 0.5 seconds in the display window and then disappears.

9. Set the hour to switch off by pressing TUNING/TIME (-/+).

10. Press SET to confirm the hour to switch off.

11. Set the minute to switch off by pressing TUNING/TIME (-/+).

12. Press SET.

13. Adjust the volume level by pressing TUNING/TIME (-/+).

14. Press SET.

"⊗" appears in the display window and the timer setting has been completed.

15. Switch the system into standby.

The selected function is automatically switched on and off at the times set.

To cancel or check the timer

Each time the TIMER button is pressed you can select the timer set or cancel. You can also check the timer setting status.

To activate or check the timer, press the **TIMER** button so that "⊗" appears in the display window.

To cancel the TIMER, press the **TIMER** button so that "⊗" disappears in the display window.

Presetting the Radio Stations

You can preset 50 stations for FM and AM(SW: OPTIONAL). Before tuning, make sure that you have turned down the volume to the minimum.

1. **Press AM /FM/BAND (or TUNER/BAND on the remote control) to select the frequency (FM or AM(SW:OPTIONAL)) you want.**
Every time you press this button, FM and AM changes alternately.
2. **Select a station you want by pressing TUNING/ TIME (-/+) buttons.**
Tuning in manually
- Press TUNING/TIME (-/+) briefly and repeatedly.
Tuning in automatically
- Press TUNING/TIME (-/+) for more than 1 second. Scanning stops when the unit tunes in a station.
3. **Press PROGRAM/MEMORY on the front panel.**
A preset number will flash in the display window.
4. **Press PRESET (-/+:unit) or PRESET (↙/↗:remote control) to select the preset number you want.**
5. **Press PROGRAM/MEMORY again.**
The station is stored.
6. Repeat steps 1 (or 2) to 5 to store other stations.

To delete all the memorized stations

Press and hold **PROGRAM/MEMORY** on the front panel for about two seconds, "CLEAR ALL" flash in the display window and then press **STOP(■)/CLEAR** again, the stations are deleted.

For your reference

If all stations have already been entered, FULL message will appear in the display window for a moment and then a preset number will flash. To change the preset number, follow the steps 4-5.

To recall presets

Press and hold **PRESET (-/+:unit) or PRESET (↙/↗:remote control)** until the desired preset number appears or press it repeatedly.

Listening to the Radio

1. **Press AM/FM/BAND(or TUNER/BAND on the remote control) to select the frequency band (FM or AM) you want.**
Every time you press this button, FM and AM changes alternately.
The last received station is tuned in.
2. **Press PRESET (-/+) or PRESET (↙/↗) on the remote control) repeatedly to select the preset station you want.**
- Each time you press the button, the unit tunes in one preset station at a time.
3. **Adjust the volume by VOLUME (-/+) buttons repeatedly.**

To listen to non-preset radio stations

- Use manual or automatic tuning in step 2.
- For automatic tuning, press and hold TUNING/TIME (-/+) on the front panel.

To turn off the radio

Press **POWER(⏻STANDBY/ON)** to turn the unit off or select another function mode (DVD/CD or TAPE).

For your reference

- If an FM program is noisy
Press FM/MODE so that "ST (⏻)" disappears in the display window. There will be no stereo effect, but the reception will improve. Press FM/MODE again to restore the stereo effect.
- When recording a MW(AM) broadcast, beat noises may occur. If it does, press RIF once.
- "kHz" flash in the display window.
- Adjust the antenna to get more clear reception.
- AM antenna
This antenna is built within the unit and rotate the unit for better reception.
- FM antenna
Pull the telescopic antenna out adjust the angle and direction for better reception.

Tape Playback

Use only normal tapes during playback.

Basic Playback

1. **Press FUNCTION to select tape function.**
("NO TAPE" appears in the display window.)
2. **Open the cassette door by pushing TAPE DOOR (PUSH EJECT) point.**
3. **Insert a cassette and close the cassette door.**
4. **Press TAPE PLAY (▶) [or TAPE REVERSE PLAY (◀): OPTIONAL] button.**

To Stop Play

Press STOP(■) during playback.

To Play Rewind or Fast Forward

Press (◀◀◀/▶▶▶) on the front panel or (◀▶) on the remote control during playback or stop, press PLAY(▶) at the point you.

Auto Stop Deck :

After playing one side of the tape, the unit stop automatically.

Auto Reverse Deck :

You can select direction of the cassette you want by pressing the PLAY MODE button.

Pressing	Display	Function
Once	⏮	After the cassette plays front or reverse (backward play) side, stops automatically.
Twice	⏮⏮	After the cassette plays front and reverse side, stops automatically.
Three times	⏮⏮⏮	After the cassette plays six times repeatedly front and reverse side, stops automatically.

Local Repeat (OPTIONAL)

1. Press REPEAT A-B button during TAPE playback.
-The local repeat starting point is set.
2. Press REPEAT A-B button once during TAPE playback.
- The local repeat ending point is set.
- "TP A-B" appears in the display window.
- This function repeats three times.

Note:

If is not possible to set this feature for less than 3 seconds.

Tape Recording

Wind the tape to the point recording starts.

Use only normal tapes.

Basic Recording

1. **Select the function (DVD/CD or TUNER/ BAND) you want to record.**
2. **Open the cassette deck and insert a blank cassette into the cassette compartment.**
To set the recording direction (AUTO REVERSE DECK model only)
Press PLAY MODE repeatedly to set the recording direction.

Recording from Radio or CD

1. **Press (●/II) on the front panel or the remote control and then select the DVD/CD or TUNER/BAND function.**
"REC" flashes and holds the cassette in pause mode.
2. **Press (●/II) or PLAY(▶) on the front panel or the remote control.**
The recording begins.

To pause recording

Press (●/II) during recording.

- "●REC" flashes in display window.

To stop recording

Press TAPE STOP(■).

CD to Tape Synchronized Recording

The CD synchro recording function dubs a complete CD and programmed titles automatically onto a cassette.

1. **Press CD SYNC.** in stop mode.
"REC" flashes and "CD SYNC" displays in the display window.
2. The synchronized recording starts automatically after about 8 seconds.

Notes:

- If you wish to record format specific track, select the track with CD SKIP/ SEARCH (◀◀◀ / ▶▶▶) (or SKIP ◀◀ / ▶▶ on the remote control) before commencing CD synchro recording.
- It is not possible to change the function whilst in record mode.

Playing a DVD and Video CD

Playback Setup

- Turn on the TV and select the video input source connected to the unit.
- Audio system: Turn on the audio system and select the input source connected to the unit.

1. Press **▲OPEN/CLOSE** to open the disc tray.
2. Load your chosen disc in the tray, with the playback side facing down.
3. Press **▲OPEN/CLOSE** to close the tray. READING appears on the TV screen, and playback starts automatically. If playback does not start, press PLAY.
In some cases, the disc menu might appear instead.

If a menu screen is displayed

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



Use the **◀▶▲▼** buttons to select the title/chapter you want to view, then press **SELECT/ENTER** to start playback.

Press **TITLE** or **MENU** to return to the menu screen.



- Use the number buttons to select the track you want to view.
Press **RETURN** to return to the menu screen.
- Menu setting and the exact operating procedures for using the menu may differ depending on the disc. Follow the instructions on the each menu screen.
You also may set PBC to Off under setup.

Notes:

- If Parental Control is set and the disc is not within the Rating settings (not authorized), the 4-digit code must be entered and/or the disc must be authorized.
- DVDs may have a regional code.
Your unit will not play discs that have a regional code different from your unit. The regional code for this unit is 3 (three).
- It is not output sound the DVD disc which becomes the DTS.

General Features

Note:

Unless stated otherwise, all operations described use the remote control. Some features may also be available on the Setup menu.

Moving to another TITLE

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

- Press **DISPLAY**, then press the appropriate number button (0-9) to select a title/group number.

Moving to another CHAPTER/TRACK



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 ◀◀** or **▶▶** briefly during playback to select the next chapter/track or to return to the beginning of the current chapter/track.
- Press **◀◀** twice briefly to step back to the previous chapter/track.
- To go directly to any chapter during DVD playback, press **DISPLAY**. Then, press **▲/▼** to select the chapter/track icon. Then, enter the chapter/track number using the numbered buttons (0-9).

Note:

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

Search

1. Press **SCAN ◀◀** or **▶▶** during playback.

The unit will now go into SEARCH mode.

2. Press **SCAN ◀◀** or **▶▶** 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 to normal play, press **PLAY**.

Pause

1. Press **PAUSE/STEP** during playback.
2. To return to playback, press **PLAY**.

General Features (continued)

Still Picture and Frame-by-frame playback

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

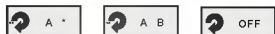
Slow Motion

1. **Press SLOW ◀ or ▶ during playback.**
The player will enter SLOW mode.
2. **Use the SLOW ◀ or ▶ 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).
3. **To exit slow motion mode, press PLAY.**

Note:

Slow motion playback in reverse is not applicable for Video CD.

Repeat A-B



To repeat a sequence in a title or group:

1. **Press REPEAT A-B at your chosen starting point.**
“A *” appears briefly on the TV screen.
2. **Press REPEAT A-B again at your chosen end point.**
“A B” appears briefly on the TV screen, and the repeat sequence begins.
3. **To cancel the sequence, press REPEAT A-B.**

Repeat



DVD Video Discs - Repeat Chapter/Title/Off

1. **To repeat the currently playing chapter, press REPEAT.**
The Repeat Chapter icon appears on the TV screen.
2. **To repeat the title currently playing, press REPEAT a second time.**
The Repeat Title icon appears on the TV screen.
3. **To exit Repeat mode, press REPEAT a third time.**
The Repeat Off icon appears on the TV screen.

Video CDs - Repeat Track/All/Off

1. **To repeat the track currently playing, press REPEAT.**
The Repeat Track icon appears on the TV screen.
2. **To repeat the disc currently playing, press REPEAT a second time.**
The Repeat All icon appears on the TV screen.
3. **To exit Repeat mode, press REPEAT a third time.**
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.

Time Search



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 ▲/▼ 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.

If you enter the wrong numbers, press CLEAR to remove the numbers you entered. Then enter the correct numbers.

4. **Within 10 seconds, press SELECT/ENTER 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.

Camera Angle



If the disc contains scenes recorded at different camera angles, you can change to a different camera angle during playback.

1. **Press DISPLAY during playback. The on-screen display appears on the screen.**
2. **Use the ◀ ▶ buttons to select a desired angle.**
The number of the current angle appears on the display.

General Features (continued)

Zoom

The Zoom function allows you to enlarge the video image and to move through the enlarged image.

1. **Press ZOOM during playback or still playback to activate the Zoom function.**

If you press ZOOM repeatedly, the magnification level increases up to six steps.

2. **Use the ◀▶▲▼ buttons to move through the zoomed picture.**
3. **Press CLEAR to resume normal playback or return to the paused image.**

Note:

The zoom function may not work for some DVDs.

Marker Search



You can start playback from a memorized point. Up to nine points can be memorized.

To enter a mark, follow these steps.

1. **During disc playback, press MARKER when playback reaches the spot that you want to memorize.**

The Marker icon will appear on the TV screen briefly.

2. Repeat step 1 to enter up to nine Marker points on a disc.

To Recall a Marked Scene

1. **During disc playback, press SEARCH.**

The MARKER SEARCH menu will appear on the screen.

2. **Within 10 seconds, press ◀▶ to select a Marker number that you want to recall.**
3. **Press SELECT/ENTER.**

Playback will start from the Marked scene.

4. **To remove the MARKER SEARCH menu, press SEARCH.**

To clear a Marked Scene

1. **During disc playback, press SEARCH.**

The MARKER SEARCH menu will appear on the screen.

2. **Press ◀▶ to select the Marker number that you want to erase.**
3. **Press CLEAR.**

The Marker number will be erased from the list.

4. **Repeat steps 2 and 3 to erase additional Marker numbers.**
5. **To remove the MARKER SEARCH menu, press SEARCH.**

Special DVD Features

Checking the contents of DVD Video discs: Menus

DVDs may offer menus that allow you to access special features. To use the disc menu, press MENU. Then, press the appropriate number button to select an option. Or, use the ◀▶▲▼ buttons to highlight your selection, then press Select/Enter.

Title Menu

1. **Press TITLE.**

If the current title has a menu, the menu will appear on the screen. Otherwise, the disc menu may appear.

2. The menu can list camera angles, spoken language and subtitle options, and chapters for the title.
3. **To remove the title menu, press TITLE again.**

Disc Menu

1. **Press MENU.**

The disc menu is displayed.

2. **To remove the disc menu, press MENU again.**

Changing the Audio Language



Press AUDIO repeatedly during playback to hear a different audio language or audio track.

Changing the Audio Channel

Press AUDIO repeatedly during playback to hear a different audio channel (STER., LEFT or RIGHT).

Subtitles



Press S-TITLE repeatedly during playback to see the different subtitle languages.

Note:

If Ⓢ appears, the feature is not available on the disc.

Playing an Audio CD and MP3/WMA Disc

The unit can play MP3/WMA formatted recordings on CD-ROM, CD-R or CD-RW discs.

Before playing MP3/WMA recordings, read the notes on MP3/WMA Recordings on right.

1. Insert a disc and close the tray.

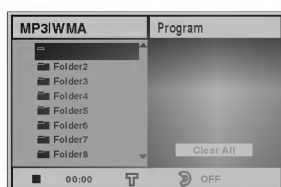
Audio CD; Audio CD menu appears on the TV screen go to step 4.

MP3/WMA disc; The MP3/WMA-JPEG choice menu appears on the TV screen. Go to step 2



2. Press ▲/▼ to select the MP3/WMA then press SELECT/ENTER.

The MP3/WMA menu appears on the TV screen. Press RETURN to move to the MP3/WMA-JPEG choice menu.



3. Press ▲/▼ to select a folder, and SELECT/ENTER.

A list of files in the folder appears.

4. Press ▲/▼ to select a track then press PLAY or SELECT/ENTER.

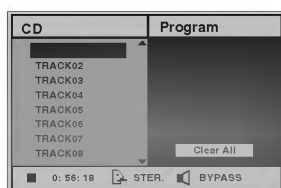
Playback starts.

During playback, the current track's elapsed playing time will appear on the display window and menu.

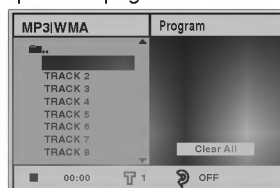
Playback will stop at the end of the disc.

Press TITLE to move to the next page.

Press MENU to move to the previous page.



Audio CD menu



MP3/WMA menu

Tip:

- If you are in a file list and want to return to the Folder list, use the ▲/▼ to highlight ■ and press SELECT/ENTER to return to the previous menu screen.

5. To stop playback at any other time, press STOP.

Notes on MP3/WMA Recordings

About MP3

- An MP3 file is audio data compressed by using the MPEG1 audio layer-3 file-coding scheme. We call files that have the ".mp3" file extension "MP3 files".
- The player can not read an MP3 file that has a file extension other than ".mp3".

About WMA(Windows Media Audio)

- An WMA file is a Microsoft audio compression technology.
- WMA(Windows Media Audio) offers double the audio compression of the MP3 format.

MP3/WMA Disc compatibility with this unit is limited as follows:

- Sampling Frequency / only at 44.1kHz (MP3), 32 - 44.1kHz (WMA)
- Bit rate / within 32 - 320kbps (MP3), 32 - 128kbps (WMA)
- CD-R physical format should be "ISO 9660"
- If you record MP3/WMA files using the software which cannot create a FILE SYSTEM, for example "Direct-CD" etc., it is impossible to playback MP3/WMA files. We recommend that you use "Easy-CD Creator", which creates an ISO9660 file system.
- A single session disc requires MP3/WMA files in the first track. If there is no MP3/WMA file in the 1st track, it cannot playback MP3/WMA files. If you wish to playback MP3/WMA files, format all the data in the disc or use a new one.
- File names should be named using 8 letters or less and must incorporate ".mp3" or ".wma" extension
e.g. "*****.MP3" or "*****.WMA".
- Do not use special letters such as "/ : * ? " < > " etc.
- Total number of files on the disc should be less than 650.

This unit requires discs/recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3 or WMA files). That require certain pre-existing conditions (see above) to insure compatible playback.

Customers should also note that permission is required in order to download MP3/WMA files and music from the Internet. Our company has no right to grant such permission. Permission should always be sought from the copyright owner.

Pause **CD** **MP3** **WMA**

1. Press PAUSE/STEP during playback.
2. To return to playback, press PLAY or press PAUSE/STEP again.

Moving to another Track **CD** **MP3** **WMA**

- Press SKIP ◀◀ or ▶▶ briefly during playback to go to the next track or to return to the beginning of the current track.
- Press SKIP◀◀ twice briefly to step back to the previous track.
- In case of audio CD, to go directly to any track, enter the track number using the numbered buttons (0-9) during playback.

Repeat Track/All/Off **CD** **MP3** **WMA**

1. To repeat the track currently playing, press REPEAT.
The Repeat icon and "TRACK" appears on the menu screen.
2. To repeat all tracks on a disc, press REPEAT a second time.
The Repeat icon and "ALL" appears on the menu screen.
3. To cancel Repeat mode, press REPEAT a third time.
The Repeat icon and "OFF" appears on the menu screen.

Search **CD** **MP3** **WMA**

1. Press SCAN ◀◀/▶▶ during playback.
The player will now go into SEARCH mode.
2. Press SCAN ◀◀/▶▶ repeatedly to select the required speed: ◀◀X2, ◀◀X4, ◀◀X8 (backward) or ▶▶X2, ▶▶X4, ▶▶X8 (forward).
Search speed and direction are indicated on the menu screen.
3. To exit SEARCH mode, press PLAY.

Repeat A-B **CD**

To repeat a sequence.

1. During disc playback, press REPEAT A-B at your chosen starting point.
The Repeat icon and "A * " appears on the menu screen.
2. Press REPEAT A-B again at your chosen end point.
The Repeat icon and "A B" appears on the menu screen, and the sequence begins to play repeatedly.
3. To exit the sequence and return to normal play, press REPEAT A-B again.
The Repeat icon and "OFF" appears on the menu screen.

Changing the Audio Channel **CD**

Press AUDIO repeatedly during playback to hear a different audio channel (STER., LEFT, or RIGHT).

Viewing a JPEG disc

This unit can play discs with JPEG files.
Before playing JPEG recordings, read the notes on JPEG Recordings on right.

1. Insert a disc and close the tray.

The MP3/WMA-JPEG choice menu appears on the TV screen.



2. Press ▲/▼ to select the JPEG then press SELECT/ENTER.

The JPEG menu appears on the TV screen.



3. Press ▲/▼ to select a folder, and SELECT/ENTER.

A list of files in the folder appears.

Press RETURN to move to the MP3/WMA-JPEG choice menu.

Tip:

If you are in a file list and want to return to the Folder list, use the ▲/▼ buttons on the remote to highlight

“” and press SELECT/ENTER to return to the previous menu screen.

4. If you want to view a particular file, press ▲/▼ to highlight a file and press SELECT/ENTER or PLAY.

Viewing the file proceeding starts.

During viewing a file, press RETURN to move to the previous menu (JPEG menu).

Press TITLE to move to the next page.

Press MENU to move to the previous page.



Tip:

- There are three viewing Slide Speed options: Fast, Normal, Slow, and Off. Press to highlight the Slide Speed then press ▲/▼ to select the option you want to use, and press SELECT/ENTER.

5. To stop viewing at any other time, press STOP.

The JPEG menu appears.

Moving to another File

Press SKIP or once during viewing a picture to advance to the next file or to the previous file.

Still Picture

1. Press PAUSE/STEP during slide show.

The unit will now go into PAUSE mode.

2. To return to the slide show, press PLAY or press PAUSE/STEP again.

To flip the picture

Press ▲/▼ during showing a picture to flip the picture horizontally or a vertically.

To rotate picture

Press or during showing a picture to rotate the picture clockwise or counter clockwise.

Notes on JPEG Recordings

- Depending upon the size and number of the JPEG files, it could take a long time for the unit to read the disc's contents. If you don't see an on-screen display after several minutes, some of the files are too big — reduce the resolution of the JPEG files to less than 2 mega pixels and burn another disc.
- Total number of files and folders on the disc should be less than 650.
- Some disc may be incompatible due to different recording format or condition of disc.
- When you are using software such as “Easy CD Creator” to burn the jpeg files into the CD-R, ensure that all the selected files have the “.jpg” extensions when copying into the CD layout.
- If the files have “.jpe” or “.jpeg” extensions, please rename them as “.jpg” files.
- File names without “.jpg” extension will not be able to be read by this unit. Even though the files are shown as JPEG image files in windows explorer.

Programmed Playback with Audio CD and MP3/WMA Disc

The Program function enables you to store your favorite tracks from any disc in the player memory.

Program can contain 30 tracks.

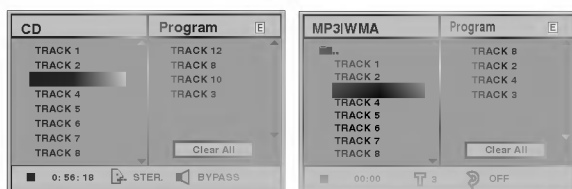
1. Press **PROGRAM** during playback or in the stop mode to enter the Program Edit mode.

The [E] mark will appear to the right of the word Program on the right side of the menu screen.

Note:

Press **PROGRAM** to exit the Program Edit mode; the [E] mark will disappear.

2. Select a track, then press **SELECT/ENTER** to place the selected track on the Program list.
3. Repeat step 2 to place additional tracks on the Program list.



Audio CD menu

MP3/WMA menu

4. Press **▶**.
The programmed track you selected last is highlighted on the program list.
5. Press **▲/▼** to select the track you want to start playing.
Press **TITLE** to move to the next page.
Press **MENU** to move to the previous page.
6. Press **PLAY** to start.
Playback begins in the order in which you programmed the tracks and "PROG." appears on the menu screen. Playback stops after all of the tracks on the Program list have played once.
7. To resume normal playback from programmed playback, select a track of CD (or MP3/WMA) list and then press **SELECT/ENTER**.
"PROG." indicator disappears on the menu screen.

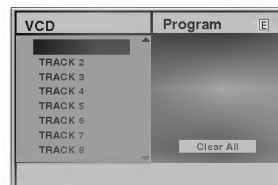
Programmed Playback with Video CD

Note:

On a Video CD with PBC, you must set PBC to Off on the setup menu to use the Program function.

Program can contain 30 tracks.

1. Insert Video CD and close the tray.
2. Press **PROGRAM** while playback is stopped.
The VCD Program menu will appear.



Note:

Press **RETURN** or **PROGRAM** to exit the Program menu.

3. Follow steps 2-6 of "Programmed Playback with Audio CD and MP3/WMA disc" on left.
4. To resume normal playback from programmed playback, press **PROGRAM**.
"PROG." indicator disappears in the display window.

Repeat Programmed Tracks

- To repeat the track currently playing, press REPEAT.
The Repeat icon and "TRACK" appears on the menu screen.
- To repeat all tracks on the program list, press REPEAT a second time.
The Repeat icon and "ALL" appears on the menu screen.
- To cancel Repeat mode, press REPEAT a third time.
The Repeat icon and "OFF" appears on the menu screen.

Erasing a Track from Program List

1. Press PROGRAM during playback (Audio CD and MP3/WMA disc only) or in the stop mode to enter the Program Edit mode.
The  mark will appear.
2. Press ► to move to the Program list.
3. Use ▲/▼ to select the track that you wish to erase from the Program list.
4. Press CLEAR.
The track will be erased from the Program list.

Erasing the Complete Program List

1. Follow steps 1-2 of "Erasing a Track from Program List" as above.
2. Use ▲/▼ to select "Clear All", then press SELECT/ENTER.
The complete Program for the disc will be erased.
The programs are also cleared when the disc is removed.

Last Condition Memory



This unit memorizes the user settings for the last disc that you have viewed. Settings remain in memory even if you remove the disc from the player or switch off the player. If you load a disc that has its settings memorized, the latest stop position is automatically recalled.

Notes:

- Settings are stored in memory for use any time.
- This unit does not memorize settings of a disc if you switch off the unit before commencing to play it.

System Select

You must select the appropriate system mode for your TV system. If NO DISC appears in the display window, press and hold PAUSE/STEP remote control for more than 5 seconds to be able to select a system (PAL, NTSC, or AUTO).

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

AUTO: Select when unit is connected with Multi system TV.

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

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

Reference

Language Codes

Use this list to input your desired language for the following initial settings:
Disc Audio, Disc Subtitle, Disc Menu.

Language	Code	Language	Code	Language	Code	Language	Code
Abkhazian	6566	Fiji	7074	Lingala	7678	Singhalese	8373
Afar	6565	Finnish	7073	Lithuanian	7684	Slovak	8375
Afrikaans	6570	French	7082	Macedonian	7775	Slovenian	8376
Albanian	8381	Frisian	7089	Malagasy	7771	Somali	8379
Ameharic	6577	Galician	7176	Malay	7783	Spanish	6983
Arabic	6582	Georgian	7565	Malayalam	7776	Sudanese	8385
Armenian	7289	German	6869	Maltese	7784	Swahili	8387
Assamese	6583	Greek	6976	Maori	7773	Swedish	8386
Aymara	6588	Greenlandic	7576	Marathi	7782	Tagalog	8476
Azerbaijani	6590	Guarani	7178	Moldavian	7779	Tajik	8471
Bashkir	6665	Gujarati	7185	Mongolian	7778	Tamil	8465
Basque	6985	Hausa	7265	Nauru	7865	Tatar	8484
Bengali; Bangla	6678	Hebrew	7387	Nepali	7869	Telugu	8469
Bhutani	6890	Hindi	7273	Norwegian	7879	Thai	8472
Bihari	6672	Hungarian	7285	Oriya	7982	Tibetan	6679
Breton	6682	Icelandic	7383	Panjabi	8065	Tigrinya	8473
Bulgarian	6671	Indonesian	7378	Pashto, Pushto	8083	Tonga	8479
Burmese	7789	Interlingua	7365	Persian	7065	Turkish	8482
Byelorussian	6669	Irish	7165	Polish	8076	Turkmen	8475
Cambodian	7577	Italian	7384	Portuguese	8084	Twi	8487
Catalan	6765	Japanese	7465	Quechua	8185	Ukrainian	8575
Chinese	9072	Javanese	7487	Rhaeto-Romance	8277	Urdu	8582
Corsican	6779	Kannada	7578	Rumanian	8279	Uzbek	8590
Croatian	7282	Kashmiri	7583	Russian	8285	Vietnamese	8673
Czech	6783	Kazakh	7575	Samoa	8377	Volapük	8679
Danish	6865	Kirghiz	7589	Sanskrit	8365	Welsh	6789
Dutch	7876	Korean	7579	Scots Gaelic	7168	Wolof	8779
English	6978	Kurdish	7585	Serbian	8382	Xhosa	8872
Esperanto	6979	Laothian	7679	Serbo-Croatian	8372	Yiddish	7473
Estonian	6984	Latin	7665	Shona	8378	Yoruba	8979
Faroese	7079	Latvian, Lettish	7686	Sindhi	8368	Zulu	9085

Country Codes

Choose a country code from this list.

Country	Code	Country	Code	Country	Code	Country	Code
Afghanistan	AF	Ethiopia	ET	Malaysia	MY	Saudi Arabia	SA
Argentina	AR	Fiji	FJ	Maldives	MV	Senegal	SN
Australia	AU	Finland	FI	Mexico	MX	Singapore	SG
Austria	AT	France	FR	Monaco	MC	Slovak Republic	SK
Belgium	BE	Germany	DE	Mongolia	MN	Slovenia	SI
Bhutan	BT	Great Britain	GB	Morocco	MA	South Africa	ZA
Bolivia	BO	Greece	GR	Nepal	NP	South Korea	KR
Brazil	BR	Greenland	GL	Netherlands	NL	Spain	ES
Cambodia	KH	Islands	HM	Netherlands Antilles	AN	Sri Lanka	LK
Canada	CA	Hong Kong	HK	New Zealand	NZ	Sweden	SE
Chile	CL	Hungary	HU	Nigeria	NG	Switzerland	CH
China	CN	India	IN	Norway	NO	Taiwan	TW
Colombia	CO	Indonesia	ID	Oman	OM	Thailand	TH
Congo	CG	Israel	IL	Pakistan	PK	Turkey	TR
Costa Rica	CR	Italy	IT	Panama	PA	Uganda	UG
Croatia	HR	Jamaica	JM	Paraguay	PY	Ukraine	UA
Czech Republic	CZ	Japan	JP	Philippines	PH	United States	US
Denmark	DK	Kenya	KE	Poland	PL	Uruguay	UY
Ecuador	EC	Kuwait	KW	Portugal	PT	Uzbekistan	UZ
Egypt	EG	Libya	LY	Romania	RO	Vietnam	VN
El Salvador	SV	Luxembourg	LU	Russian Federation	RU	Zimbabwe	ZW

Troubleshooting

Check the following guide for the possible cause of a problem before contacting service.

Symptom	Cause	Correction
No power.	The power cord is disconnected.	Plug the power cord into the wall outlet securely.
No picture.	The TV is not set to receive DVD signal output.	Select the appropriate video input mode on the TV so the picture from the unit appears on the TV screen.
	The video cable is not connected securely.	Connect the video cable into the jacks securely.
	The connected TV power is turned off.	Turn on the TV.
The playback picture is poor	The disc is dirty.	Clean the disc.
The unit does not start playback.	No disc or tape is inserted.	Insert a disc or tape
	An unplayable disc or tape is inserted	Insert a playable disc or tape.
	The disc is placed upside down.	Place the disc with the playback side down.
	The disc is not placed within the guide	Place the disc on the disc tray correctly inside the guide.
	The disc is dirty.	Clean the disc.
	A menu is on the TV screen.	Press the SET UP button to turn off the menu screen.
	The Rating level is set.	Cancel the Rating function or change the rating level.
The remote control does not work properly.	The remote control is not pointed at the remote sensor of the unit.	Point the remote control at the remote sensor of the unit.
	The remote control is too far from the unit.	Operate the remote control within about 23 ft (7 m).
	There is an obstacle in the path of the remote control and the unit.	Remove the obstacle.
	The batteries in the remote control are exhausted.	Replace the batteries with new ones.

Specifications

[General]	Power supply		Refer to the mainlabel of the unit.	
	Power consumption		Refer to the mainlabel of the unit	
	Mass		5.1kg	
	External dimensions (W x H x D)		475 x 180 x 260 mm	
	Output Power		5W X 2	
	Speakers		6Ω X 2	
CD/DVD	Laser		Semiconductor laser, wavelength 650 nm (DVD), 780nm (CD)	
	Signal system		PAL 625/50, NTSC 525/60	
	Frequency response (audio)		100 Hz to 18 kHz	
	Signal-to-noise ratio (audio)		More than 75 dB (1 kHz, with IHF-A)	
	Dynamic range (audio)		More than 85 dB	
	Harmonic distortion (audio)		0.7 % (1 kHz with 30 kHz LPF)	
[Tuner]	FM	Tuning Range		65 -74 MHz, 87.5 -108 MHz or 87.5 -108 MHz
		Intermediate Frequency		10.7 MHz
	AM (MW)	Tuning Range		522 - 1611 kHz, 530 - 1610 kHz or 530-1720 kHz
		Intermediate Frequency		450 kHz
	SW (option)	Tuning Range		5800 - 18000 kHz
		Intermediate Frequency		450 kHz
[TAPE]	Recording System		4 Tracks 2 channel stereo	
	Frequency Response		125 - 8000Hz	
	Signal to Noise Ratio		43/45dB (REC/PLAY)	

* Designs and specifications are subject to change without notice.

