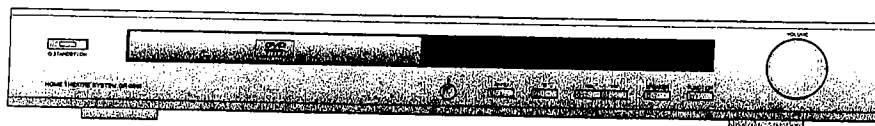


Operation manual

Quest - QR3000



Safety Information

WARNING:

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



WARNING
RISK OF ELECTRIC
SHOCK DO NOT OPEN

AVIS
RISQUE DE CHOC
ELECTRIQUE NE PAS OUVRI



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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.



Alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments / accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **Damage Requiring Service**
Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions :
 - A. When the power-supply cord or plug is damaged,
 - B. If liquid has been spilled, or objects have fallen into the apparatus,
 - C. If the apparatus has been exposed to rain or water,
 - D. If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation,

PORTABLE CART WARNING



53125A

- E. If the apparatus has been dropped or damaged in any way, and
 F. When the apparatus exhibits a distinct change in performance this indicates a need for service.
16. Object and Liquid Entry
 Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
 The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.
 Don't put candles or other burning objects on top of this unit.
17. Batteries
 Always consider the environmental issues and follow local regulations when disposing of batteries.
 18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation.
 Leave 25 cm (10") or free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a flue-like gap for warm air to escape.

For Canadian model

This class B digital apparatus complies with Canadian ICES-003.

For models having a power cord with a polarized plug :

CAUTION : To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Modèle pour les Canadiens

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Sur les modèles dont la fiche est polarisée :

ATTENTION : Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

Important Information for the User

This equipment has been tested and found to comply with the limits for a Class-B digital device, pursuant to Part 15 of the FCC Rules. The limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio-frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that harmful interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions :

(1) this device may not cause harmful interference, and (2) this device must accept interference received, including interference that may cause undesired operation.

Note

Changes or modifications may cause this unit to fail to comply with Part 15 of the FCC Rules and may void the user's authority to operate the equipment.

Safety Information

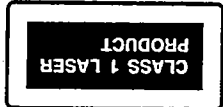
Precautions

DANGER :
VISIBLE LASER AND INVISIBLE RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. DO NOT STARE INTO BEAM.

CAUTION :
THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF THE DESCRIBED OPERATION MAY INCREASE THE RISK OF PERSONAL INJURY OR PROPERTY DAMAGE. RADIATION EXPOSURE.

This unit contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT". So, to use this model properly, read this Instruction Manual carefully. In case of any trouble, please contact the store where you purchased the unit. To prevent being exposed to the laser beam, do not try to open the enclosure.

This label on the rear panel states that:
1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.



1. **Regional Restriction Codes (Region Number)**
Regional restriction codes are built into DVD players and DVD videos for each sales region. If the regional code of the DVD player does not match one of the regional codes on the DVD video, playback is not possible.
The regional number can be found on the rear panel of the DVD player. (e.g. 4 for Region 1)
2. **About This Manual**
This manual explains the basic procedures for operating the DVD player. Some DVD videos do not support the full potential of the DVD technology. Your DVD player may therefore not respond to all operating commands. Refer to instruction notes on discs.
A "W" mark may appear on the TV screen during operation. It means that the operation is not permitted by the DVD player or the disc.
3. **Recording Copyright**
Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder.
4. **AC FUSE**
The fuse is located inside the chassis and is not user-serviceable. If power does not come on, contact your authorized service center.
5. **Power**
WARNING
BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.
The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where the unit will be used meets the required voltage (e.g., AC 120V 60 Hz) written on the rear panel.
6. **Do not touch the unit with wet hands**
Do not handle the unit or power cord when your hands are wet or damp. If water or any other liquid enters the case, take the unit to an authorized service center for inspection.

7. Location of the unit
- Place the unit in a well-ventilated location.
 - Take special care to provide plenty of ventilation on all sides of the unit especially when it is placed in an audio rack. If ventilation is blocked, the unit may overheat and malfunction.
 - Do not expose the unit to direct sunlight or heating units as the unit's internal temperature may rise and shorten the life of the pickup.
 - Avoid damp and dusty places and places directly affected by vibrations from the speakers. In particular, avoid placing the unit on or above one of the speakers.
 - Be sure the unit is placed in a horizontal position. Never place it on its side or on a slanted surface as it may malfunction.
 - When you place the unit near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted. In this case, place the unit away from the TV, radio, or VCR.

8. Care

From time to time you should wipe the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe off the dirt. Following this, dry immediately with a clean cloth.

Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these could damage the finish or remove the panel lettering.

9. Notes on Handling

When shipping the unit, use the original shipping carton and packing materials. For maximum protection, repack the unit as it was originally packed at the factory.

- Do not use volatile liquids, such as insect spray, near the unit.
- Do not leave rubber or plastic products in contact with the unit for a long time. They will leave marks on the finish.
- The top and rear panels of the unit may become warm after a long period of use. This is not a malfunction.
- When the unit is not in use, be sure to remove the disc and turn off the power.
- If you do not use the unit for a long period, the unit may not function properly in the future. Turn on and use the unit occasionally.

10. To Obtain a Clear Picture

The unit is a high technology, precision device. If the optical pick-up lens and disc drive parts are dirty or worn down, the picture quality becomes poor. To obtain a clear picture, we recommend regular inspection and maintenance (cleaning or parts replacement) every 1,000 hours of use depending on the operating environment. For details, contact your nearest dealer.

11. Notes on Moisture Condensation

Moisture condensation damages the unit. Please read the following carefully.

• What is moisture condensation?

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside the unit, one of the most crucial internal parts of the unit.

• Moisture condensation occurs in the following cases.

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the unit in a humid place.

• Do not use the unit when moisture condensation may occur.

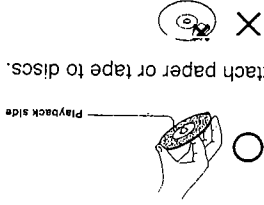
If you use the unit in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the unit to the wall outlet, turn on the unit, and leave it for two or three hours. After a few hours, the unit will have warmed up and evaporated any moisture. Keep the unit connected to the wall outlet and moisture condensation will seldom occur.

MP3/JPEG Compatibility

- This unit will play CD-R, and CD-RW discs containing files saved in the MPEG-1 Audio Layer 3 (MP3) format with a sampling rate of 32, 44.1 or 48 kHz, and JPEG format. Incompatible files will not play. Disc may be ejected automatically or "NO DISC" will be displayed.
- Fixed bit rate MP3 files are recommended. Variable bit rate (VBR) MP3 files are playable, but playing times may not be shown correctly.
- MP3/JPEG files are saved in the same media.

Handling Discs

- Do not touch the playback side of the disc.



- Do not attach paper or tape to discs.



Cleaning Discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.



- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzene, commercially available cleaners or antistatic spray for vinyl LPs, as these may damage the disc.

Storing Discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs that are outside of their case may cause warping.

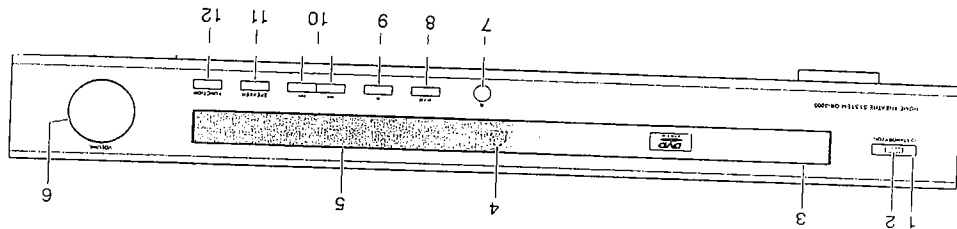
When saving files onto media

- Ensure that the session is closed or finalized when data has been written on media. There are cases where media on which the session has not been closed or finalized will not be played back correctly with this equipment.
- There are cases where the folder names and file names will not be displayed correctly depending on the software used to save them.

- This unit will play CD-R, and CD-RW discs containing files saved in the MPEG-1 Audio Layer 3 (MP3) format with a sampling rate of 32, 44.1 or 48 kHz, and JPEG format. Incompatible files will not play. Disc may be ejected automatically or "NO DISC" will be displayed.
- Fixed bit rate MP3 files are recommended. Variable bit rate (VBR) MP3 files are playable, but playing times may not be shown correctly.
- MP3/JPEG files are saved in the same media.
- Use CD-R or CD-RW media for recording your files. The disc must be finalized (i.e., the session must be closed) in order to play in this unit.
- This player only plays tracks that are named with the file extension .mp3, .MP3, .jpg or .JPG. When naming MP3 and JPEG files, add the corresponding file name extension (.mp3 or .jpg). Files are played according to the file extension. To prevent noise and malfunctions, do not use these extensions for other kinds of files.
- Folder and track names (excluding the file extension) are displayed.
- There are many different recording bit rates available to encode MP3 files. This unit was designed to be compatible with all of them. Audio encoded at 128 Kbps should sound close to standard audio CD quality. This player will play lower bit rate files, but please note that the sound quality becomes noticeably worse at lower bit rates.
- The unit can play Exit format pictures supporting JPEG. It is capable of playing at the maximum resolution of 5120x3840 for the baseline format, 2048x1536 for the progressive JPEG format.

Control Position and Names

Front Panel

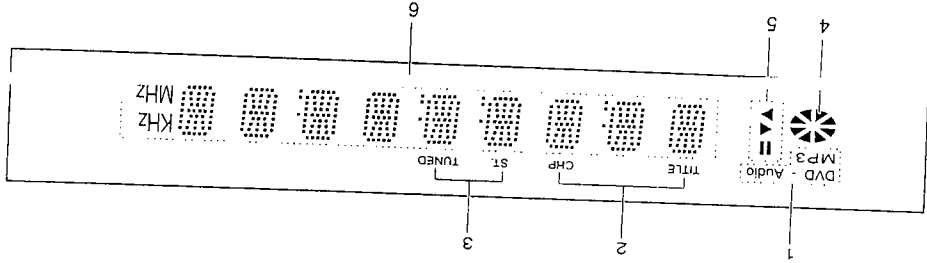


1. **STANDBY/ON switch**
When POWER switch is pressed to ON, the DVD player turns on.
2. **STANDBY indicator**
3. **DISC tray**
When loading a disc, place discs in the disc tray with the label side facing up.
4. **REMOTE CONTROL sensor**
Point the remote control toward the remote sensor to operate the DVD player.
5. **Display**
The MASTER VOLUME dial is used to control the volume level.
6. **MASTER VOLUME control**
7. **▲ button**
Press to open and close the disc tray.
8. **▶/⏮ button**
Press to start playback. Press again to pause playback, then once more to resume playback.

9. **■ button**
Press to stop playback. Pressing once enables playback to resume from a point shortly before the location where it was stopped. Pressing twice causes the disc to return to the beginning of the disc when playback starts again.
10. **◀/⏭ buttons**
Press to go back or advance to previous chapters/tracks.
11. **SPEAKER select button**
Press to shift between 5.1ch(A), 2ch(B) and 5.1ch adding 2ch(A+B)
12. **FUNCTION button**
Press to select AM, Audio 1, Audio 2, DVD or FM.

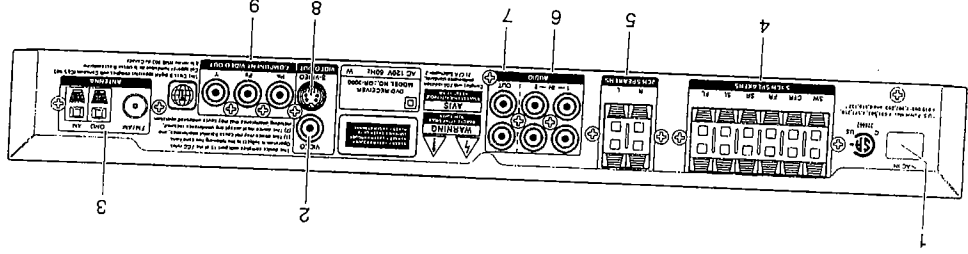
Control Position and Names

Display

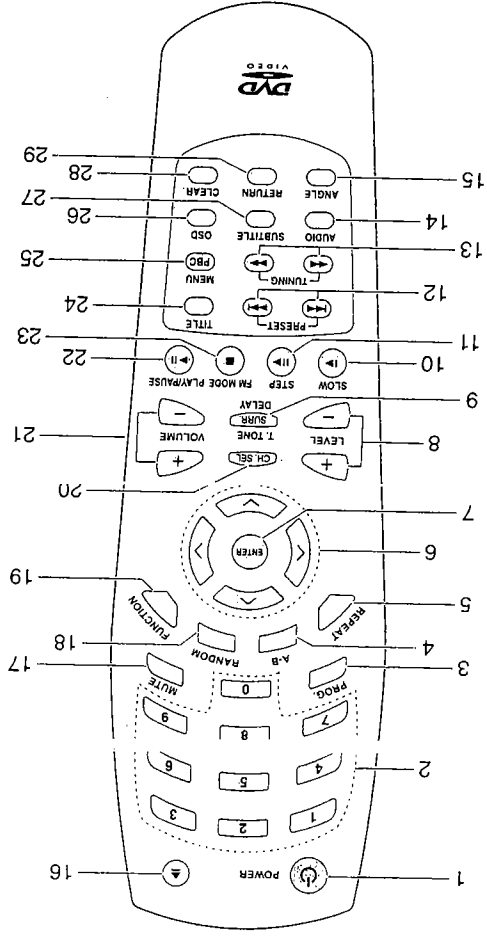


- 1. DISC indicator**
Indicates the type of current disc that is loaded.
- 2. TITLE, CHP(Chapter) indicators**
Indicate display mode of the current title or chapter of DVD.
- 3. ST(Stereo), TUNED indicators**
Indicate the reception mode.
- 4. Disc Operation indicator**
- 5. "M" indicators**
Lights up in play or pause mode.
- 6. Multipurpose display.**

Rear Panel



- 1. POWER CORD**
Connect a video cable to this jack and to the Video Input jack on your TV.
- 2. VIDEO OUT jack**
Connect a video cable to this jack and to the Video Input jack on your TV.
- 3. ANTENNA terminals**
These terminals are for connecting the FM antenna and AM antenna.
- 4. 5.1 CHANNEL SPEAKER OUT jacks**
If you connect a TV that is compatible with a Progressive scan signal, you can enjoy both Interlaced and Progressive scan.
- 5. 2 CHANNEL SPEAKER OUT jacks**
- 6. Two-group AUDIO IN jacks**
- 7. Stereo AUDIO OUT jacks**
- 8. S-VIDEO OUT jack**
- 9. Component out jacks**
If your TV has component inputs, you can connect a component video cable to your TV for ideal video quality.



1. **POWER button**
Press to switch the unit on or to put in standby.
2. **Numeric buttons**
Press to perform direct title/chapter/group/folder and track searches, and to input numerical values.
3. **PROGRAM button**
Press to activate program options.
6. **Cursors (↖/↗/↙/↘)**
Press to move through the options on menu screens.
5. **REPEAT button**
Press to set the repeat mode.
4. **A-B button**
Press at the beginning and end of the section you want to repeat or to mark a location you want to return to.

Control Position and Names

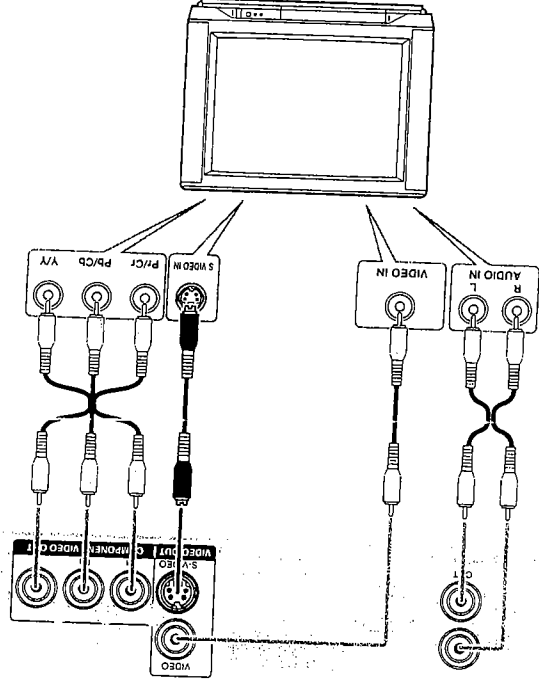
7. **ENTER button**
Press to selected an indicated item or function.
 8. **CHANNEL LEVEL +/- buttons**
Press to adjust the value.
 9. **SURROUND/TEST TONE/DELAY button**
- Press to select the sound mode as allowed by the source.
- Press to adjust each speaker's relative volume balance.
- Press once more to adjust center and surround speaker's delay time.
 10. **SLOW button**
Press to select slow playback.
 11. **STEP button**
Press during playback to view still frame.
 12. **◀/▶ buttons / TUNER PRESET**
- During disc playback press ▶ to advance to the next chapter or track.
Press ◀ to select a previous chapter or Track.
- When AM or FM is selected, use to select preset channels.
 13. **▲ buttons / TUNER TUNE +/-**
- During playback of DVD and Video CD, press ▲ to perform fast forward scanning or ▼ to perform fast reverse scanning of DVD and Video CD. When a CD or MP3 is loaded, audio scanning is performed.
- When AM or FM is selected, press for tuning.
 14. **AUDIO button**
Press to select various audio languages on a disc. When playing a VCD, press to select the audio channel.
 15. **ANGLE button**
Press to select various camera angles on a disc.
 16. **OPEN/CLOSE button**
Press to open/close the disc tray.
 17. **MUTE button**
Press to mute audio output.
- 12 -
18. **RANDOM button**
Press to activate random playback.
 19. **FUNCTION button**
Press to select different input modes.
 20. **CHANNEL SELECT button**
Press to select different speaker channels.
 21. **VOLUME +/- buttons**
Press to adjust the volume.
 22. **PLAY/PAUSE button**
- Press to start or resume playback.
- Press to pause disc playback.
 23. **FM MODE / ■ button**
- For FM input, press to switch between FM stereo auto and mono.
- Press to stop playback (DVD). Pressing once enables playback to resume from a point shortly before the location where it was stopped. Pressing twice causes the disc to return to the beginning of the disc when playback starts again.
 24. **TITLE button**
Press to display title menu for DVD discs.
 25. **MENU/PBC button**
- Press to display or close the DVD menu.
- Playback control is supported in more than VCD 2.0 version.
The PBC menu is displayed with PBC ON.
 26. **ON SCREEN button**
Press to display information about the disc set in the unit.
 27. **SUBTITLE button**
Press to select various subtitle language on a disc.
 28. **CLEAR button**
 29. **RETURN button**
When playing a VCD, press to display menu.

System connection

Connecting To TV

Connections should be made as follows :

In the figure below the VIDEO OUT, S-VIDEO OUT and COMPONENT OUT connections are shown. If the TV has S-VIDEO IN or COMPONENT IN jacks, you can achieve a better picture by using these connections.
Do not connect the power cord until all connections have been made.



In case of connecting the component, press STOP and SURR. button on the remote control to select progressive ON or OFF.

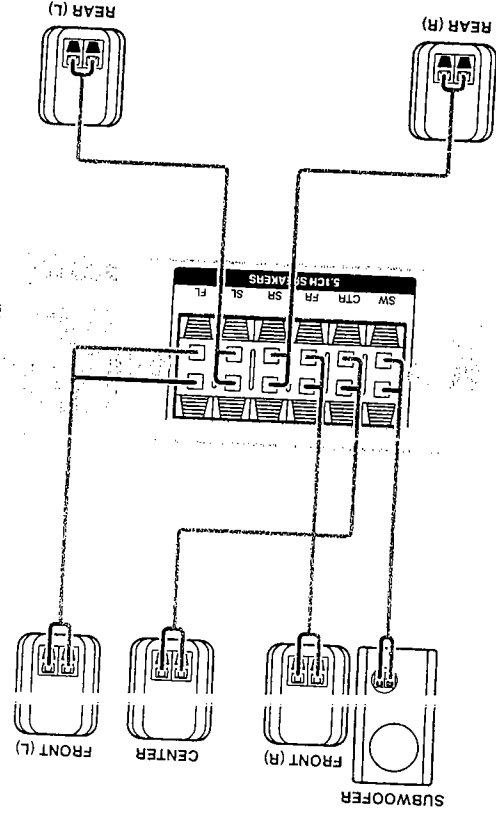
NOTES

- The progressive function cannot be enabled when the disc containing MP3, JPEG or CDDA format data files is inserted into the unit.
- When your TV is not compatible with progressive mode, the picture may be distorted.

System connection

Connecting To 5.1ch Speakers

Use the supplied cords to connect the player to the speakers. Be sure the polarity is correct. Only the supplied speakers are applicable for the connection.



Positioning Speakers

The arrangement of your speakers within the room significantly influences their performance. Here are a few guide lines to help you get the most from your system.

Standard speaker placement

The TV monitor is the focal point of a home theater system. The front speakers should be placed symmetrically a few feet to either side of the monitor. When ideally placed, the front speakers will form a 30 degree angle to either side from the central viewing position. They should be placed at a level even with the monitor for the best integration of sound with picture.

Center Speaker

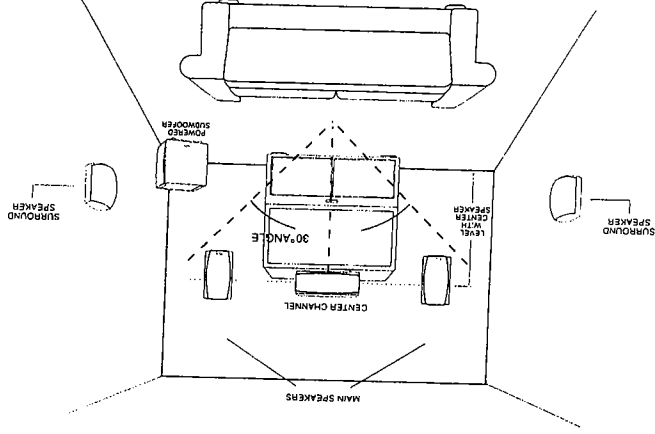
The purpose of the center speaker is to anchor the dialog and centered sounds to the picture. It should be placed as close as possible directly above or below the TV. Try to make the distance from the Left, Right and Center speakers to the listener equal.

Surround Speakers

Surround speakers should be placed at the sides, slightly behind the listener and about 2-3 feet above the listener's ears. Optimum placement will form a 110-degree angle to each surround speaker from the centerline.

Subwoofer

The subwoofer should be placed in the front half of the room, near the plane of the front speakers. Placing the subwoofer near a corner will increase bass output. Room acoustics play an important role in the propagation of bass notes, so it is advisable to experiment with various positions and stick with the one that gives the strongest bass with the most even response throughout the room.



Speaker Setup

Adjust each speaker's output so that all speakers sound equal at your listening position

Adjusting Each Speaker's Output Using the Test Tone

Initial setting is 0 dB for all speakers.

1. Press SURR. button long.
The test tone is played back from the front Left speaker.
Adjust the MASTER VOLUME so that it is slightly loud and fix it there
Press LEVEL to adjust the speaker level.
 2. The Test Tone will be heard from individual speakers as follows, in intervals of about 2 seconds.
FL → CEN → FR → SR → SL → SUB
- Adjust the volume with the LEVEL buttons while the indicator is flashing until the output from all speakers sounds the same. Level adjustments are possible from -10 dB to +10 dB.

Listening to the Radio

There are two ways to select radio stations :

- Manual tuning
- Presetting radio stations then selecting the preset channels

1. Press FUNCTION until AM or FM is indicated.
Press FM MODE to select a tuning mode. (FM only)

Each press switches the mode.

→ AUTO (Auto mode)

← MANUAL (Manual mode)

3. Select a station.
When the << >> buttons are pressed in AUTO mode, a station will be tuned in automatically and tuning will stop. Stereo reception will be made automatically when a stereo broadcast with sufficient signal strength is received.

"AUTO" mode (auto tuning) (FM only)

Press the button on the remote controller to receive the next tuned station automatically.

"MONO" mode (manual tuning)

When the << >> button is pressed and held continuously on the remote controller, the frequency changes continuously.

When the << >> button is released, the frequency stops changing. Each time the << >> button

is pressed, the frequency changes one step.

When the TUNING +/- button is pressed and held continuously on the main unit, the frequency changes continuously. When the button is released, the frequency stops

changing and the selected frequency blinks. Each time the TUNING +/- button is pressed while it is lit, the frequency changes one step.

Use the manual tuning mode when reception is noisy due to weak reception. (In the manual mode, stereo broadcasts are received in monaural.)

You can preset up to 40 stations in any mix of AM or FM.

1. Tune in the radio station you wish to preset.
 2. Press PROG.
 3. Press PRESET << >> to select desired preset.
- In case of input with the numeric buttons, a preset number will be decided simply by input of a 2-digit number without pressing the PROG. button.
4. Press PROG.
 5. Press PRESET << >> to select a station.

The preset station can be selected by pressing the numeric buttons on the remote controller.

Disc Playback

Playback Preparation

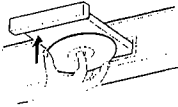
After connection, turn on the power of relevant equipment and select video input. Press the POWER button on remote control to turn on the power of the player and the player will search for the disc automatically. If there is a disc in, the player will automatically play it.

Press the OPEN/CLOSE on front panel or on remote control to open the disc tray.

Load the disc into the disc tray

Load the disc as shown in the figure in order not to damage the player or the disc.

Press the OPEN/CLOSE button close the disc tray and begin playback.



NOTE : Do not play bad quality or damaged discs as this may damage the lens inside the player.

DVD Playback

MENU

Normally there is a selecting menu in a DVD disc. You can use the MENU button to enter the selecting menu directly, and use the direction buttons to highlight the item you would like and press the ENTER button to select it.

TITLE & CHAPTER

Normally there are several titles in a DVD disc, and also there are several chapters in a title. You can select any one of titles or chapters quickly by using the Number buttons to enter the number of the chapter.

LANGUAGE

There are up to 8 kinds of audio languages in a DVD disc. When you play a multi-language DVD disc, press the AUDIO button on remote control to select a different audio language.

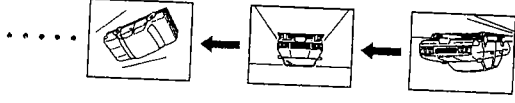
SUBTITLE

The DVD player can support up to 32 kinds of subtitles. When you play a multi-subtitle disc, press the SUBTITLE button on remote control to select different subtitle.

recorded onto.

ANGLE

The DVD player supports multi-angle function. Multi-angle means that a scene is shot from more than one angle so that audience can watch from any angle. If there are multiples in a scene, you can use the ANGLE button to select the angle you like to enjoy. Press the ANGLE button continuously to view different angles.



Disc Playback

VOLUME

During playback, press the VOLUME+ button to increase the volume and press the VOLUME- button to decrease the volume.

STOP

During playback, press the ■ button on remote control to stop playback. For DVD discs, after pressing the ■ button once, if you press the PLAY button, then the player will play from the stopped point.

PAUSE

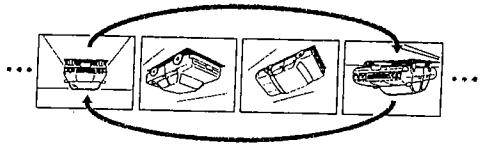
Press the PAUSE button on remote control to pause disc playback.

STEP

During playback, press the STEP button on remote control to view still frame.

REPEAT

Use the REPEAT button to repeat a title, a chapter, a track and a disc respectively according to different discs, and also to cancel repeat.
Use the A-B button to repeat section A to B. Press it once to set the starting point A, twice to set the ending point B, and the third time to cancel repeat.
Some discs do not support repeat function.



FAST FORWARD & REWIND

Press the ▲ and ▼ the buttons to activate fast forward or rewind.

SLOW FORWARD & REWIND

Press the SLOW button to activate slow forward or rewind.
There is no slow playback function for CD and MP3 discs.

DISC INFORMATION DISPLAY

Press the OSD button on remote control to display the relevant disc information.

PLAY

Press the PLAY button to start playback.
Press the POWER button on remote control to enter standby status, and press it again to resume playback status. If there is no operation for a long time, the player will automatically enter screen saver status and then enter standby status.

Disc Playback

CD Playback

The player will play all tracks for CD discs continuously in default status. You can press the ◀◀ and ▶▶ (PREV/NEXT SKIP) buttons or number buttons to select a certain track.

PROGRAM PLAYBACK

Use the PROGRAM button to activate program playback of CD.

Operation steps :

In stop status, press the PROGRAM button to enter program status.

Use the number buttons to input contents according to prompts.

Repeat step 2 to program more contents.

Use the direction buttons to move cursor to "START" and then press the ENTER button or the PLAY button to begin the program playback.

MP3 Playback

When you have inserted a MP3 coded CD you see a menu showing the folders on the CD. Use the ^/~/</> (direction buttons) to select the desired folder, then press the ENTER button.

Now the tracks inside are displayed. Press the direction button < to open the folder. Use these buttons ^/~/ to choose a song, then press the ENTER button to start playback.

Press the ■ button to end the playback.

Press the REPEAT button to select various repeat modes. ◀◀/▶▶ During playback these buttons increase the playback speed backward/forward up to 2X, 4X, 8X or 16X fold depending on how often you press.

Press the PLAY button to resume playback with normal speed. Press the ◀◀ or ▶▶ to skip to the other song page.

JPEG playback operation

Normal Playback

When you have inserted a JPEG coded CD you see a menu showing the folders on the CD.

Use the ^/~/</> (direction buttons) to select the desired folder, then press the ENTER button.

Now the file inside are displayed. Press the direction button < to open the folder. Use these buttons ^/~/ to choose a song, then press the ENTER button to start playback.

Press the ■ button to end the playback.

Picture Rotation

It can be operated when the picture is displayed. Once another picture is selected, it will be cancelled automatically.

There are four kinds of rotational modes : Rotate left, Rotate right, Rotate up and Rotate down. You can use the direction buttons to select.

Customizing Function Settings

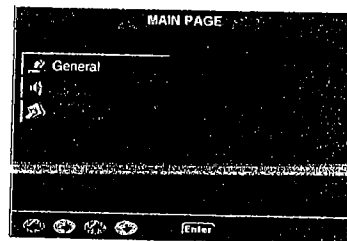
Setting Steps

1. Press MENU.

The SETUP MENU appears.

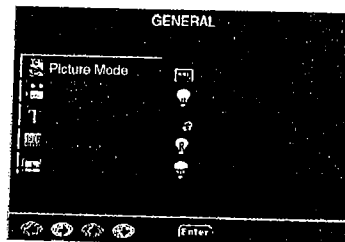
Notes

- Preference setup is not entered in play and resume mode.
- During playback CD/MP3/DVD, SETUP is only entered in stop mode.

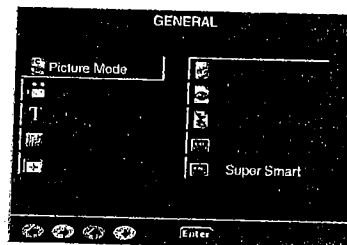


2. Press ^/∨ to select a category, then press ENTER.

Remove the disc to customize the General settings.



3. Press ^/∨ to select the item, then press >.



4. Press ^/∨ to select the setting, then press ENTER.

To move the cursor to the item column, press <.

5. Further steps may be needed depending on the item or setting. Follow the steps described in the explanation of each item starting from next page.

To return to the MAIN PAGE

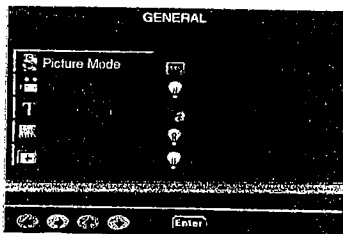
Press <.

To clear the setting menu

Press MENU.

Customizing Function Settings

General Setup



Picture Mode

Allows you to choose the method used by the video processor to create the Progressive Scan picture.

- **Auto**
Film or Video method is determined by the DVD encoding.
- **Film**
Best for reproducing material originally from film sources.
- **Video**
Best for reproducing material that originated from video sources.
- **Smart**
Choose this setting to reproduce both Film and Video material with limited motion.
- **Super Smart** [Factory default setting]
This setting is recommended as the best overall choice to play both Film and Video material with or without high motion. (Motion Adaptive Deinterlacing)

Angle Mark

- **ON**
⏏ is displayed on the screen when multiple camera angles are available on the DVD.
- **OFF**
⏏ is not displayed on the screen. (⏏ is displayed when the camera angle is changed.)

OSD Language

Select the On-Screen Display language.

- English • French • German
- Italian • Spanish

Captions (NTSC only)

Some DVD videos contain special subtitles, an enhancement of closed captions for hearing impaired persons. Set this item to ON to display them.

- **ON**
The extended subtitles are displayed automatically.
- **OFF**
The extended subtitles are not displayed.

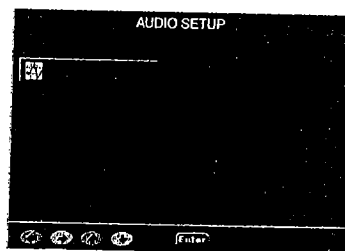
Screen Saver

Set to ON to activate a screen saver after a few minutes in Pause or Stop.

Recommended for CRT and Plasma TV's.

- **ON** [Factory default setting]
The screen saver is enabled.
- **OFF**
The screen saver is disabled.

Audio setup



Compression

During playback of Dolby Digital DVD discs, you may choose to apply compression to the volume. Compression reduces the difference between the maximum and minimum volume, and is useful when watching movies at low volume. Eight adjustment steps are available from OFF (full dynamic range) to FULL (maximum compression).

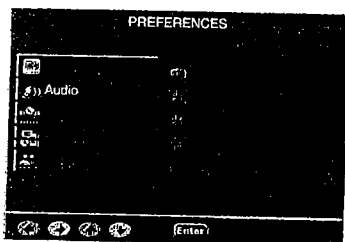
Customizing Function Settings

- **OFF**
Full dynamic range is maintained.
- **1/8 - FULL (8 steps)**
Dynamic range is reduced.

Notes

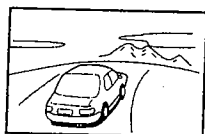
- This function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Reduction may differ depending on the DVD.

Preferences



TV Display

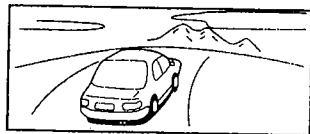
- **Normal/PS (Pan Scan)**
Select when a 4:3 TV is connected. Displays pictures cropped to fill your TV screen. Either or both sides of the picture are cut off from widescreen discs. This function is only available when using a disc that supports Pan Scan.



- **Normal/LB (Letter Box)**
Select when a 4:3 TV is connected. Displays widescreen images with masking bars above and below the picture.



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



Notes

- The displayable picture size is preset on each DVD video. Therefore, the playback picture of some DVD videos may not conform to the picture size you select.
- When you play a DVD video recorded in the 4:3 picture size only, the playback picture always appears in the 4:3 picture size regardless of the TV shape setting. If you select Wide and you own a 4:3 TV set, the DVD playback picture will be horizontally distorted during playback. Images will appear to be horizontally compressed. Make sure the TV shape conforms to the actual TV in use.

Audio

Select the audio language.

- **English** • **French** • **Spanish**
- **Chinese** • **German** • **Italian**
- **Others**

Note

Depending on the disc, a language recorded on the disc may be given priority and selected automatically when the disc is loaded regardless of the setting.

Subtitle

Select the subtitle language.

- **English** • **French** • **Spanish**
- **Chinese** • **German** • **Italian**
- **Others** • **OFF** (To disable subtitles.)

Notes

- Some DVD-Video may be set to display subtitles in a different language than you selected. A prior subtitle language may be programmed on the disc.

Customizing Function Settings

- Some DVD-Video allow you to change subtitle selections only via the disc menu. If this is the case, press MENU and choose the appropriate subtitle language from the selection on the disc menu.
- You can setup on stop mode only.

Disc Menu

Select the disc menu language

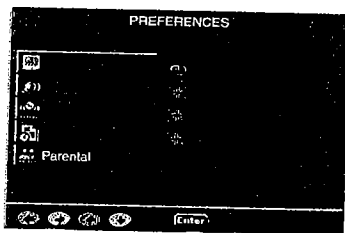
- English • French • Spanish
- Chinese • German • Italian
- Others

Note

Some DVD-Video may not include your pre-selected language. In this case, the DVD player automatically displays disc menus consistent with the disc's initial language setting.

Parental

DVD videos equipped with the parental lock function are rated according to their content. The content allowed by a parental lock level and the way a DVD video can be controlled may vary from disc to disc. For example, some discs allow you to edit out violent scenes unsuitable for children and replace them with more suitable scenes, or lock out



playback of the disc altogether.

The password is set to "0000" at manufacture.

- **1 G**
Select when you want to play back only DVD for children. (Reproduction of adult-oriented, NC-17 or PG rated DVD's is forbidden.)
- **2, 3 PG, 4 PG-13, 5, 6 PG-R, 7 NC-17, 8 Adult**
Select when you want to play back only DVD for children and PG rated. (Playback

of DVD material above the selected rating level is forbidden.)

No Parental

Select when you want play back all DVD's.

Note

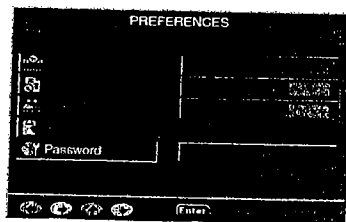
Some DVD video discs may not respond to Parental settings. This is a function of the DVD and is not a defect in the DVD player.

Defaults

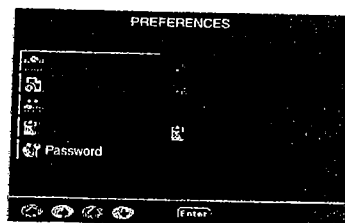
Resets all settings other than Password to the factory settings.

Password

To change the password for Parental mode.



To change the password



1. Press the numeric buttons to enter old password.
2. Press the numeric buttons to create a new 4-digit password.
3. Press the numeric buttons to enter the new password.

Notes

- The password is set to "0000" at manufacture.
- Be sure not to forget your password.
- You cannot change the password without the current password.

Troubleshooting

SYMPTOM	CHECK ITEM
There is no sound.	- make sure system connection is correct. - make sure the speakers are turned on. - make sure the sound setup of DVD disc is correct. - is your disc dirty or warped? Clean or replace disc.
There is no picture.	- make sure TV is on and in correct video mode. - make sure your system connection is correct.
The player does not play.	- make sure the disc isn't loaded upside down. - disc should be clean, not dirty or warped.
Poor AV performance	- is your disc dirty or warped? Clean or replace disc.
Cannot continue to play and play a section repeatedly.	- make sure the player is not in A-B repeat status. - press A-B button to cancel A-B repeat status. - is your disc dirty or wrapped? Clean or replace disc.
There is no sound from speaker.	- make sure it isn't in mute status. - If it is true, press the MUTE button to cancel it.
Poor radio effects.	- make sure antenna connection is correct. - is antenna away from system or other ubassemblies. - make sure antenna is fully extended.

Others :

Static or other external interfere may cause the abnormity of the player. In this circumstance, unplug the power-supply cord from the outlet and plug it in again to reset the player so that the normal operation will be resumed. If you are still having problems, then please disconnect the power and consult a qualified technician.

Specifications

General Specification	Power		AC 120V ~ 60Hz
	Power Consumption		≤ 60 W
	Weight (approx.)		3kg
	Dimensions (W x H X D)		420mm X 58mm X 313mm (with foot)
	Operation Temperature		5℃ ~ 35℃
Player	Disc Type		DVD ± R/RW, CD, CD ± R/RW, MP3 or JPEG
	Video System		NTSC
	Audio Frequency Response		20Hz ~ 20kHz
	Audio Signal-to-noise Ratio		≥ 95dB
	Audio Distortion + Noise		0.2%
	Channel Separation		≥ 90dB
	Dynamic Range		≥ 95dB
	Output	Analog Audio Output	1.4V
		Video Output	1 Vp_p (Impedance 75Ω)
		S-Video output	0.286 Vp_p (Impedance 75Ω)
		Component Output	1 Vp_p (Impedance 75Ω)
Digital Amplifier	Audio input		Optional audio
	S/N Ratio		≥ 65dB
	Frequency Response	5.1ch speaker out	5ch : 200Hz ~ 20kHz ± 3dB Subwoofer : 20Hz ~ 200Hz ± 3dB
		2ch speaker out	60Hz ~ 20kHz ± 3dB
Radio	FM		Signal-to-noise Ratio : ≥ 60dB Distortion + noise : 0.3%
	AM		Signal-to-noise Ratio : ≥ 60dB Distortion + noise : 0.3%
	Frequency Range	FM	87.5 ~ 108.0MHz
		AM	520 ~ 1710KHz

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE