

DVD-PLAYER

GERUNDIG

GDP 1600P



FEATURES

DVD, CD, MP3 compatible
CD-R, CD-RW capable

TV format:

PAL / NTSC color system
LB/PS screen format select

Video output:

Composite Video output
S-Video output
Component Video(Y Cb Cr) output

Audio output:

Down-mix stereo output
Digital audio output (coaxial)
Dolby Digital output
DTS Digital output

DVD features:

Multi Subtitle select
Multi Language select
Multi Angle select

Other features:

On screen display menu
Digital zooming
Slow motion
Parental control
Auto screen saver

Manufactured under license from Dolby Laboratories.
Dolby and the double-D symbol are trademarks of
Dolby Laboratories. Confidential Unpublished Works.

This product incorporates copyright protection technology that is
protected by U.S. patents and other intellectual property rights.
Use of this copyright protection technology must be authorized by
Macrovision, and is intended for home and other limited viewing
uses only unless otherwise authorized by Macrovision. Reverse
engineering or disassembly is prohibited.*



The player has built in copyright
protection technology that
prevents copying from a DVD
disc to any media.

If a video recorder is connected to
the player, the video output image
will be distorted during recording.

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SAFETY INFORMATION

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



CAUTION : To reduce the risk of fire and electric shock, do not remove the cover (or back) of the unit. Refer servicing only 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 product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



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

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

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

IMPORTANT SAFEGUARDS

In addition to the careful attention devoted to quality standards in the manufacture of your video product, safety is a major factor in the design of every instrument. However, safety is your responsibility, too. This sheet lists important information that will help to assure your enjoyment and proper use of the video product and accessory equipment. Please read them carefully before operation and using your video product.



Installation

1. Read and Follow Instructions- All the safety and operation instructions should be read before the video product is operated. Follow all operating instructions.
 2. Retain Instructions- The safety and operating instructions should be retained for future reference.
 3. Read all Warnings-Comply with all warnings on the video product and in the operating instructions.
 4. Polarization- This video product is equipped with a polarized alternating - current line plug. This plug will fit into the power outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. To prevent electric shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted without blade exposure. If you need an extension cord, use a polarized cord.
 5. Power Sources- This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your video dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.
 6. Overloading- Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation, and broken plugs are dangerous. They may result in a shock or fire hazard. Periodically examine the cord, and if its appearance indicated damage or deteriorated insulation, have it replaced by your service technician.
 7. Power-Cord Protection- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the video product.
 8. Ventilation- Slots and openings in the case are provided for ventilation to ensure reliable operation of the video product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the video product on a bed, sofa, rug, or heat register. This video product should not be placed in a built-in installation such as a book case or rack, unless proper ventilation is provided or the video product manufacturer's instructions have been followed.
 9. Attachments- Do not use attachments unless recommended by the video product manufacturer as they may cause hazards.
 10. Water and Moisture- do not use this video product near water for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool and the like. Caution: Maintain electrical safety. Powerline operated equipment or accessories connected to this unit should bear safety certification mark on the accessory itself and should not be modified so as to defeat the safety features. This will help avoid any danger and should not be modified so as to defeat the safety features. This will help avoid any potential hazard from electrical shock or fire. In no doubt, contact qualified service personnel.
 11. Accessories- Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult as well as serious damage to the video product. Use this video product only with a cart, stand, tripod, bracket, or table recommended by the manufacturer's or sold with the video product. Any mounting of the product should follow the manufacturer's instructions and use of a mounting accessory recommended by the manufacturer.
 12. A video product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the video product and cart combination to overturn.
Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.
 13. Outdoor Antenna Grounding- If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and buildup static charges. Section 810 of the National Electrical Code, ANSI /NFPA No. 70-1984 (Section 54 of Canadian Electrical Code, Part1) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
 14. Power Lines- An outside antenna system should not be located in the vicinity of overhead power lines, other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching or approaching such power lines or circuits, as contact with them might be fatal. Installing an outdoor antenna can be hazardous and should be left to a professional antenna installer.
- Use**
15. Cleaning- Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
 16. Objects that may touch dangerous voltage points or "short-out" parts could result in a fire or electric shock. Never spill liquid of any kind on the video product.
 17. Lightning- For added protection for this video product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power line surges.
- Service**
18. Servicing- Do not attempt to service this video product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
 19. Conditions requiring service- unplug this video product from the wall outlet, 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 video product.
 - C. If the video product has been exposed to rain or water.
 - D. If the video does not operate normally by following the instruction manual. Adjust only those controls that are covered by operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
 - E. If the video product has been dropped or cabinet has been damaged.
 - F. When the video product exhibits a distinct change in performance- this indicates a need for service.
 20. Replacement Parts- When replacement parts are required, have the service technician verify that the replacements he uses have the same safety characteristics as the original parts. Use of replacements specified by the video product manufacturer can prevent fire, electric shock, or other hazards.
 21. Safety Check- Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks recommended by the manufacturer to determine that the video product is in safe operating condition.
 22. Wall or Ceiling Mounting- The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
 23. Heat- The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

About DVD






DVD (Digital Versatile Disc) is a digital video medium under the MPEG II format, featuring a variety of revolutionary entertainment capabilities. The MPEG II video compression technology provides capacity for an excellent picture of minimum 500 lines resolution on screen, up to 8 language soundtracks, up to 9 views from different camera angles and up to 32 language subtitles (provided by the DVD disc itself which supports these features).


Disc information

| Disc types | DVD | CD |
|-----------------------|---|---|
| Decoding Method | Digital / MPEG II | Digital |
| Capacity | Single-layer / Single side 4.7GB = 2 hr Single-layer / Double sides 8.5GB = 4 hr Double-layers / Single side 9.4GB = 4.5 hr Double-layers / Double sides 17GB = 8 hr | 650MB = 74min |
| Disc size | 12cm / 8cm | 12cm / 8cm |
| Horizontal Resolution | 500 lines up | - |
| Sub-titles | 32 | - |
| Sound tracks | 8 | 1 |
| Symbol |  |  |

DVD features symbols

Each DVD disc contains various features depending on production of the disc. Below are some of the symbols representing the features:

-  Number of Audio Tracks
-  Screen Format
-  Number of Subtitles
-  Zoom
-  Angle Indicator

 The player has built in copyright protection technology that prevents copying from a DVD disc to any media.

If a video recorder is connected to the player, the video output image will be distorted during recording.

REMARK

Some features contained in this DVD player are related to the DVD disc's software.

Some features cannot be performed if the disc does not support the feature, or requires special settings.

Check the features printed on the disc's packing or follow the instructions of the Disc's on screen menu.

Select a DVD disc

DVD Region Code

DVD discs and DVD players are manufactured under the worldwide agreed DVD Regional Code System that the player will operate only with corresponding disc of the same Regional Code.

| Region code | Region |
|-------------|--|
| 1 | Canada, USA |
| 2 | Europe (incl. Poland, Romania, The Czech republic), Japan, Middle East (incl. Saudi Arabia, Egypt, Iran, South Africa) |
| 3 | East Asia (incl. Hong Kong, Taiwan, South Korea), South-East Asia |
| 4 | Australia, Caribbean, Central & South America, Mexico, New Zealand |
| 5 | Africa, Former Soviet Union, India, North Korea, Pakistan, Turkmenistan |
| 6 | China |

Maintenance

Precautions for handling and cleaning discs handling discs.

To keep a disc clean, do not touch the playside (Non-Label side) of the disc.

Do not attach paper or tape to the disc.



Keep the disc away from direct sunlight or heat sources.

Store the disc in a disc case after playback.

Cleaning discs.

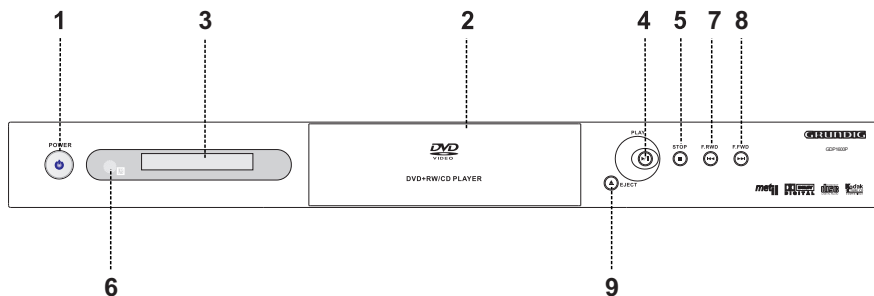
Before playback, wipe the disc outwards from the center with clear cloth.



Keep dust from the pickup lens by keeping the disc tray closed after use. If there is dust on the pickup lens, use a cleaning disc to clean it. Refer to the operating instructions of the cleaning disc you bought.

Parts and Controls

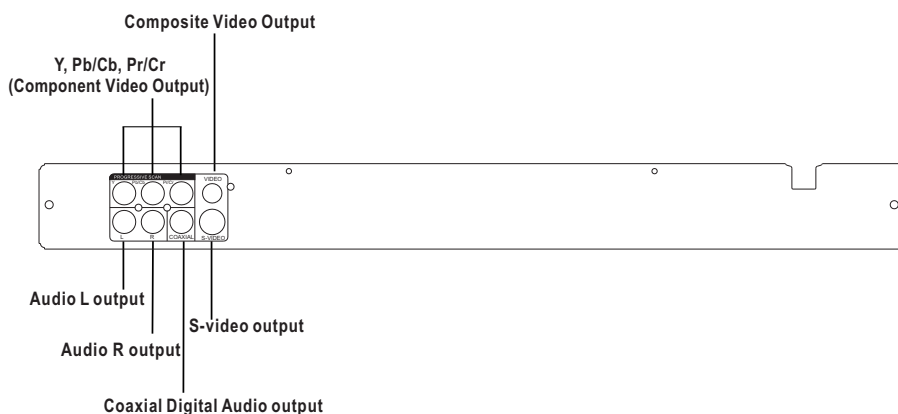
DVD Front panel



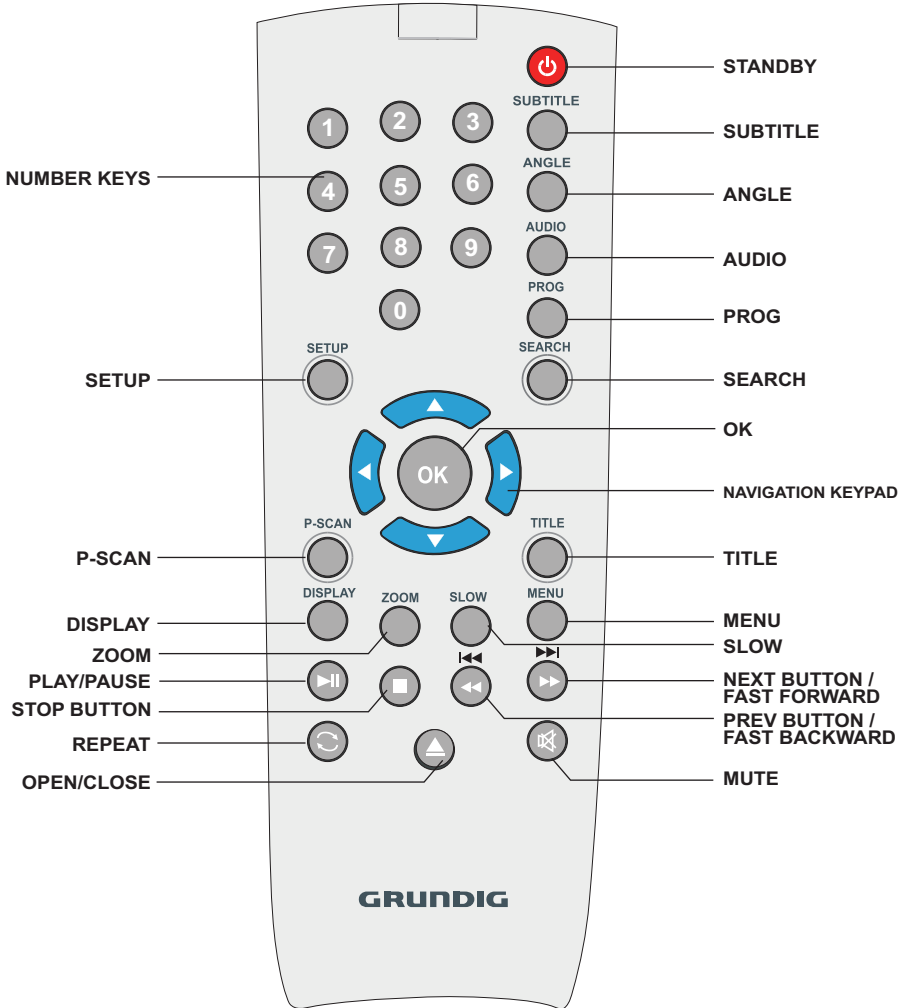
1. Power button
2. Disc tray
3. VFD Display
4. Play/pause button
5. Stop button

6. Remote control receiver
7. Fast backward search/Skip
8. Fast forward search/Skip forward
9. Eject button

DVD Rear Panel



Remote Control DVD

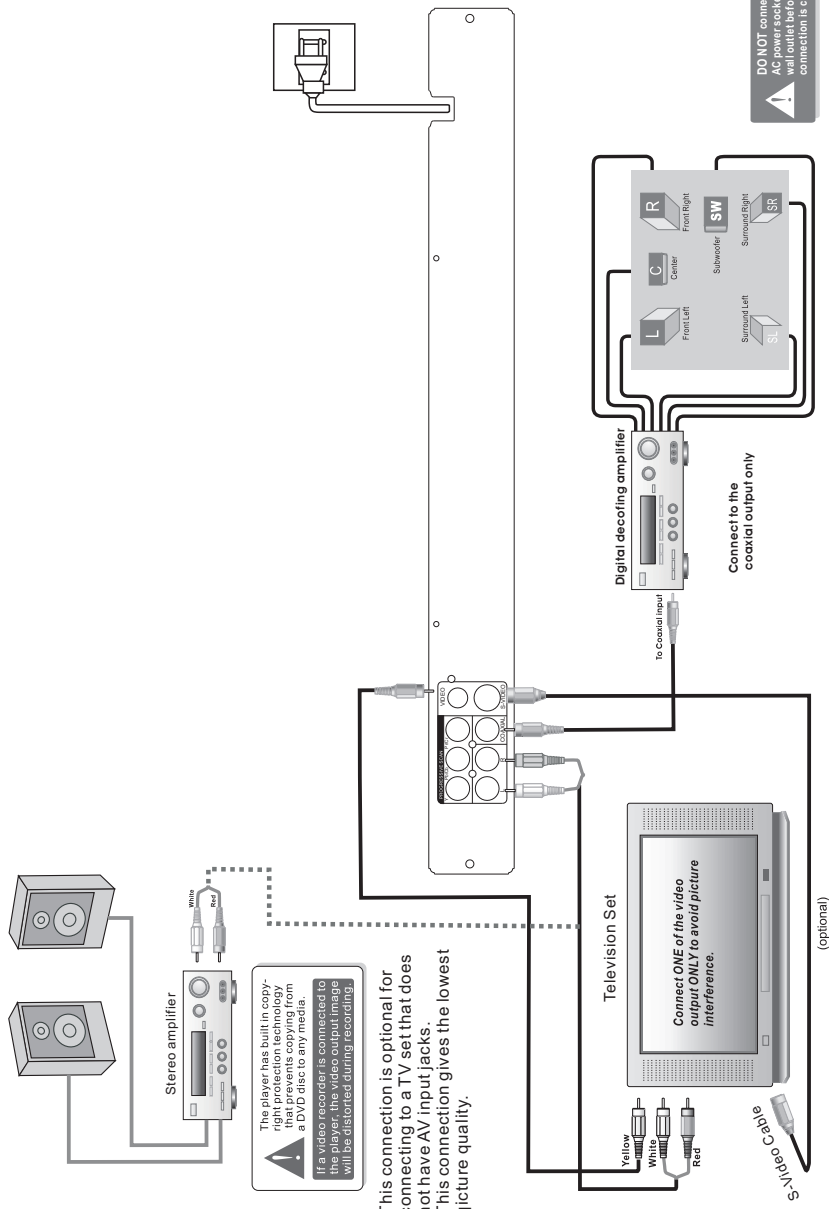



Notes

The remote control transmits a directional infrared beam. Be sure to aim the remote control directly at the player's infrared sensor during operation. When the sensor is covered or there is a large object between the remote control and the sensor, the sensor cannot receive signals. The sensor may not be able to receive signals properly when it is exposed to direct sunlight or a strong artificial light (such as a fluorescent or strobe lights). In this case, change the direction of the light or reposition the unit to avoid direct lighting.

SYSTEM CONNECTION

System connection figure

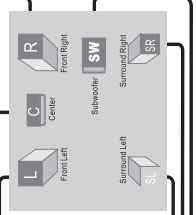


 The player has built-in copy-right protection technology for the contents on a DVD disc to any media. If a video recorder is connected to the player, the video output image will be distorted during recording.

This connection is optional for connecting to a TV set that does not have AV input jacks. This connection gives the lowest picture quality.

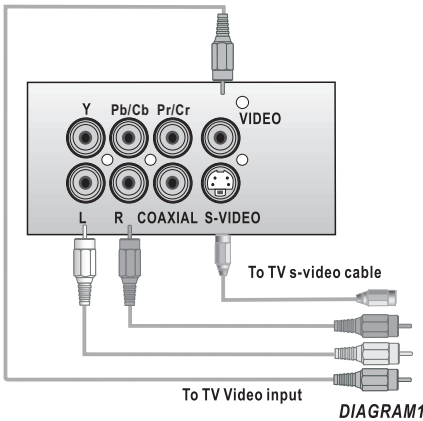
Digital decoding amplifier

Connect to the coaxial output only



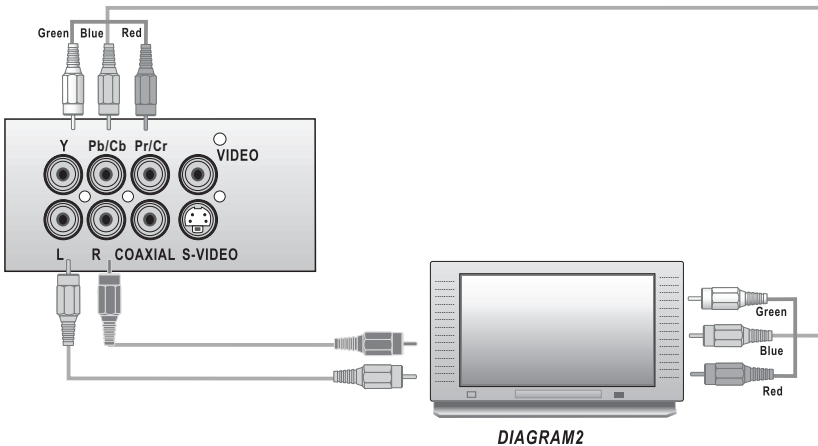
 **DO NOT** connect the AC power socket to the wall outlet before the system connection is completed

System connection to a TV set



Select **ONE** of the below connections **ONLY**:

- Connect the player's audio Left & Right, Composite Video (or S-Video) outputs to the TV's audio left, right and Video (or S-Video) inputs.
- Connect the player's Y, Cb, Cr audio L/R to the TV's Y, Cb, Cr audio L/R as shown in Diag 2 for Progressive Scan. Regarding the VIDEO OUT set up, please refer to the SETUP menu on page 17.

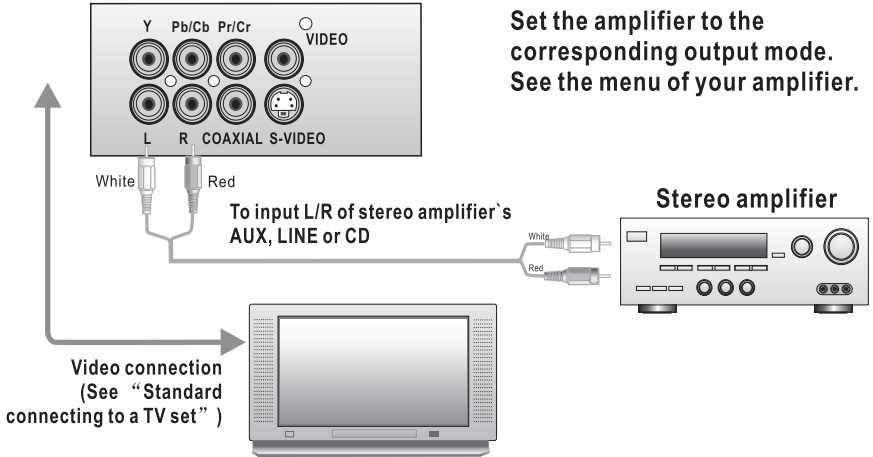


NOTE Connect **ONE** of the above options **ONLY**, to avoid picture interference.

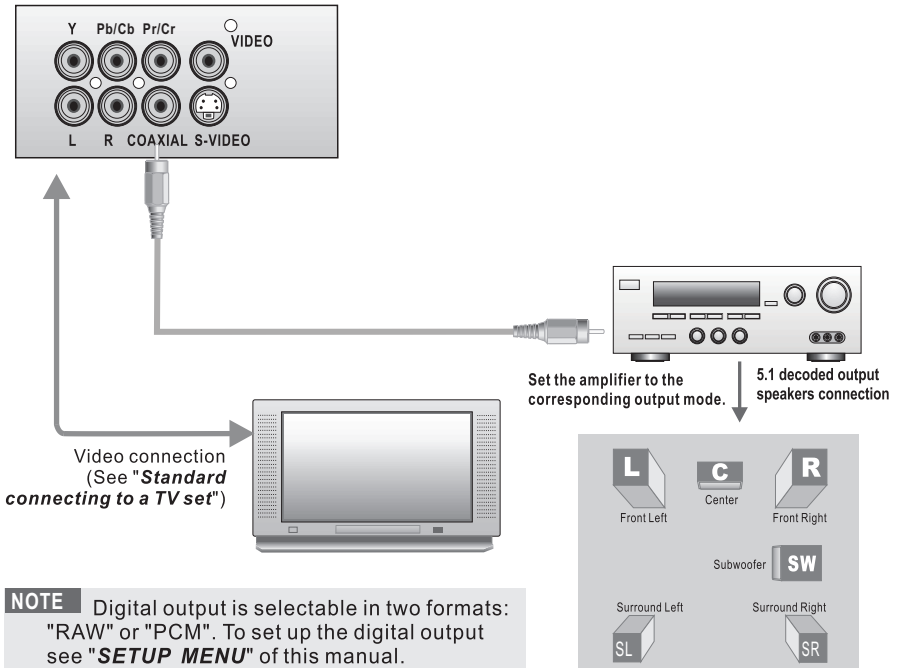
- 1 The player is equipped with composite A/V outputs at the rear of the player. Your TV will require at least one set of A/V inputs. The patch cord supplied with the player will connect your player's A/V output to your TV's inputs.
- 2 Please remember to push the "Line" or "Input" or "Video/TV" button on your TV remote to view the DVD signal. Depending on your brand of TV, this button will have a different name for the same function, as per the examples above.
- 3 The player is equipped for stereo playback. To fully realize 2 channel sound, a Stereo TV or A/V receiver is necessary. However, a Mono TV may be used providing the TV one set of A/V Inputs. The A/V inputs on a Mono TV will only include one Audio Input for Mono sound. You may connect either the Left or Right audio channel from the DVD Composite audio out to the mono TV audio input.

SYSTEM CONNECTION

Audio connecting to a stereo Amplifier



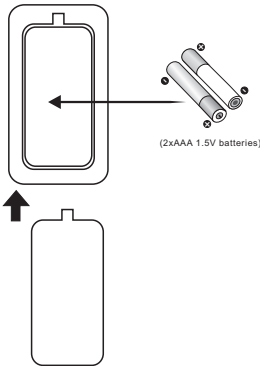
Digital audio connection to a digital Amplifier



- Unpack the unit.
- Read through this owner's manual before installation and use.
- Load batteries into the remote control unit.
- Connect the system, make sure the connections are secured.
- Connect the power plug to the AC power outlet.

Loading batteries to the remote control

- Remove the battery compartment cover.
- Load two AAA (UM-4 or R03) batteries into the battery compartment.
- Make sure that the batteries have been inserted in the correct polarities matching to the symbols +, - marked in the battery compartment. Close the battery compartment cover.
- When replacing batteries, replace both batteries. Do not mix new and used batteries operating together, otherwise, the operation lifetime will be much shorter than normal.
- Remove the batteries if the unit will not be used for a prolonged period of time.



The remote control transmits a directional infrared beam. Be sure to aim the remote control directly at the infrared sensor of the unit during operation.

If the sensor has been covered or there is a large object between the remote control and the sensor, the sensor will not respond.

The sensor may not be able to receive the remote signal when it is exposed to direct sunlight or a strong artificial light (fluorescent or strobe light). In this case, change the direction of the light or reposition the unit to avoid direct lighting.

Switch on the player

Press the main power switch on the DVD player. Power on the TV set, and the amplifier if connected.


Set up the system

Select the corresponding setting of the TV set (AV1, AV2, S-Video, DVD etc.).

For connection through a RF modulator, select the corresponding channel until the DVD screen appears.

If amplifier has been connected, select the corresponding output mode.

Load a disc

Press OPEN/CLOSE button  on the remote control (or front panel) to eject the disc tray.

Load a disc, label side up, onto the disc tray and press OPEN/CLOSE button.

Automatic playback

The unit will take a few seconds to load the disc's initial data, display the disc type logo on the left upper corner on screen, and then start playing back automatically.

NOTE Normally, when a MP3 disc is loaded, the player will take longer time to load.

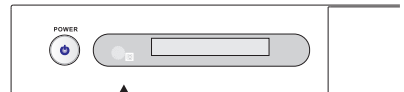
If a DVD disc menu appears on screen



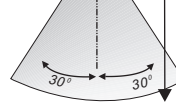
Press PLAY button on the remote (or on the unit) to start playing.



Press the DIRECTION buttons to select the desired feature in the menu. And then press ENTER button to confirm a selection in the menu.



Remote sensor



Within approximately 6 meter (20 feet)



Problem disc messages

The following message will display on screen when there is a format problem with the loaded disc:

“WRONG REGIONAL DISC”

Region code of the disc is not matching to the player`s region code (region 1 to region 6).

“WRONG PASSWORD”

The rating level of the disc is higher then the rating level setting of the player.

The player will not play the disc.

“WRONG DISC”

The player is equipped with automatic disc quality detection software. When the played detects a problem disc or a damaged disc, the player may keep playing the disc at lower quality or stop playing, depending on the damaged level of the disc.

Production qualities of DVD discs vary, some discs might deviate from the industrial standard. Some incorrectly formatted discs may playback on the player. However, the playback and operational quality of those disc may be substandard.

Power management

If the player will not be in use for a long time, unplug the player for personal safety.



To turn the unit on when it is in the standby mode, press the **STANDBY** button on the remote control.

Multi - Angle / Subtitle / Audio

ANGLE



While playing back a DVD, press **ANGLE** repeatedly to select the desired camera angle. A DVD may contain up to 9 selectable camera angles.

SUBTITLE



While playing back a DVD, press **SUBTITLE** repeatedly to select the desired subtitle. A DVD may contain up to 32 selectable subtitles.

AUDIO



While playing back a DVD, press **AUDIO** repeatedly to select the desired audio sound track. A DVD may contain up to 8 selectable audio sound tracks.

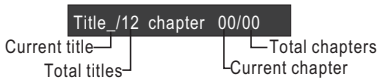
NOTE

DVD start menus may allow the setup of Angle, Subtitle, and Audio soundtrack selection.

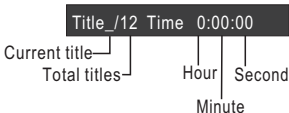
SEARCH



In DVD mode press **TIME** once and the following will appear.



press **TIME** twice and the following will appear.



Selects an item or confirms a setting.

NOTE

Some DVDs do not allow search functionality.

DISPLAY



Press **DISPLAY** button.

Shows time and status information on the screen.



Opens and closes the disc tray.

Play/Pause



Press **PLAY** to start disc playback. Press **PAUSE** to suspend playback (still picture). Press **STEP** on the remote for frame-by-frame playback. Press **PLAY** to resume normal playback.



Press **STOP** to end disc playback.

a) If **STOP** is pressed once, the player will resume play from the interrupted position when **PLAY** is pressed (the OSD will read **PRESTOP**).

b) If **STOP** is pressed twice, the player will start playback from the beginning of the disc when **PLAY** is pressed (the OSD will read **STOP**).

Previous and Next



Press **PREV** during playback to return to the start of the current chapter. Each successive press will skip back one chapter until the beginning of the disc is reached.



Press **NEXT** during playback to skip ahead to the next chapter.

Reverse/Fast Forward



Press for two seconds to reverse quickly through the disc. Press repeatedly to change the rate of reverse playback.



Press for two seconds to fast forward through the disc. Press repeatedly to change the rate of fast forward playback.



Press **PLAY** to resume normal playback.

NOTE

The audio is muted during reverse and fast forward playback. Reverse and fast forward will not work during the **WARNING** section of a DVD.

MENU



Press **MENU** to access the DVD's start menu.



Repeats a disc or selected titles, chapters, or tracks.

In DVD mode

| | |
|----------|----------------|
| .CHAPTER | Repeat chapter |
| .TITLE | Repeat title |
| .ALL | Repeat all |

In CD mode

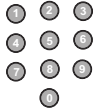
| | |
|--------|--------------|
| .TRACK | Repeat track |
| .ALL | Repeat all |

NOTE

Some DVDs do not allow **REPEAT** functionality.

FUNCTION BUTTON

Numeric Keypad (Direct Program access)



Enters numbered choices and selections on the on-screen menus.

Select an item in menu

To use the DVD's start menu or the player's startup menu:



Use the NAVIGATION keypad to change which menu function icons are highlighted (ie, selected).



Press OK to confirm a selection.

SLOW



Press SLOW for slow-motion playback. The audio is muted when playing in slow-motion. Press SLOW repeatedly to change the rate of slow-motion playback. Press PLAY to resume normal playback.

▶1/2 → ▶1/4 → ▶1/8 → ▶1/16 → ▶



The MUTE function allows you to mute the audio outputs from the DVD player. The Mute button has a toggle action. Press the MUTE button. Mute will be displayed on the TV screen. No sound will be heard.

TITLE



Press TITLE to return to the beginning of the DVD.

NOTE

Some DVDs may not have a TITLE function.

ZOOM



In DVD Mode
Press ZOOM repeatedly to change the zoom level.
↔ 2X ↔ ↔ 3X ↔ ↔ 4X ↔ Normal

In JPEG Mode
Press ZOOM repeatedly to change the zoom level.

125% ↔ 150% ↔ 200% ↔ 25% ↔ 50%
↔ 75% ↔ 100%

While zoom > 100%, use the navigation keypad to move around the magnified picture.

NOTE

The picture quality decreases as the zoom level increases.

P-SCAN



Press to change the DVD player to interlace Scan and Progressive Scan alternately.

PROGRAM

Program a disc to play back in a defined sequence.

PROG



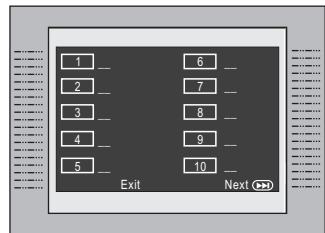
Press PROG to enter the program menu. Make sure the player is not in PBC mode.

In DVD mode

Use the navigation keypad to select a program track. Use the numeric keypad to input title/chapter numbers. Use the "+10" key for numbers greater than 9.

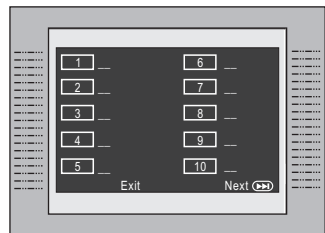
(PLAY) -- Highlight Start and press PLAY or ENTER to start program playback.

(PROG) -- Press PROG to quit the program menu.



In CD mode

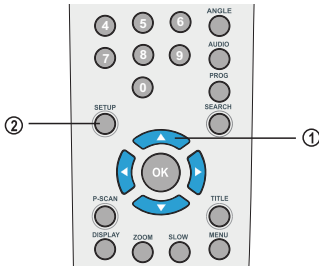
Enter only track numbers in CD mode. Use the "+10" key to input numbers greater than 9.



NOTE

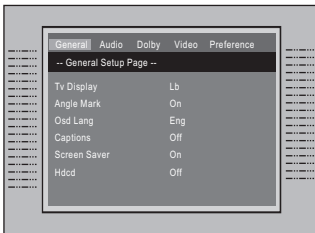
Some DVDs do not allow program setting. Single-track discs cannot be programmed.

SETUP



To access the SETUP menu:

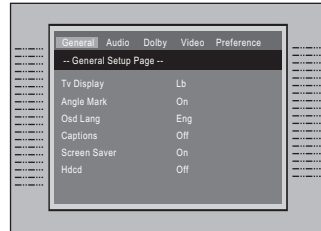
- 1 Press **SETUP** on the remote. The **SETUP** menu opens with the General Setup Page highlighted.



- 2 Press the **▶ ◀** to select a different menu (Audio Setup, Video Setup, Preference Setup, Password Setup, or Exit Setup), or **▼ ▲** to select a menu item on the current menu, then press **ENTER** to select a menu item on the current menu, then press **ENTER** to confirm your selection.
- 3 press **ENTER** to confirm your selection.
- 4 Press the **◀** to return to the previous menu. Press **SETUP** again, or highlight the **X**, to exit the Setup menu.

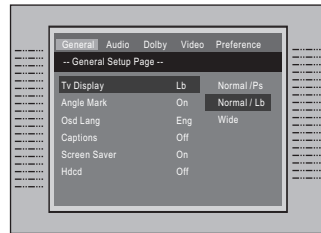
GENERAL SETUP

Setup TV screen format, video type and all DVD functions.



TV Display

Follow the operating instructions stated in DVD menu setup to select the desired option in the following figure.



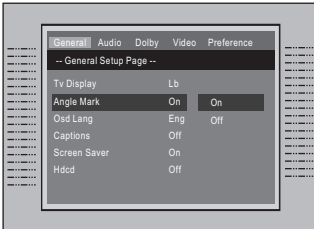
NOTE

1. Irrespective of what screen format you have selected, if your screen displays in 4:3 format, the picture will be shown in that format anyway.
2. For DVDs, the screen format is convertible.
3. If your screen displays in 4:3 format, when a DVD with wide display format is used, the picture will be flattened.

FUNCTION BUTTON

Angle mark

When a DVD providing multiple angles is used, the user may select a particular shooting angle. Follow the operating instructions stated in DVD menu setup to select the desired option in the following figure.



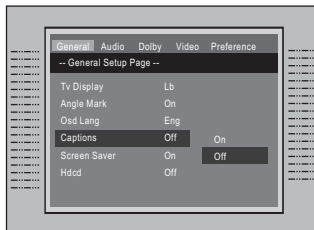
OSD Language

The user can select the whole setup menu and on-screen display language.



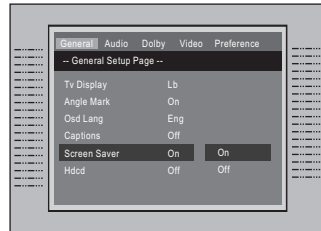
Captions

Follow the operating instructions stated in DVD menu setup to select the desired option in the following figure.



Screen Saver

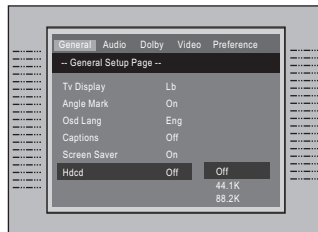
Select in System Setup menu to get screen saver setting according to the following figure.



HDCD

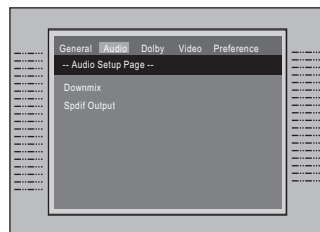
Selects the sampling frequency of the digital filter.

A higher sampling frequency setting will result in better audio quality.



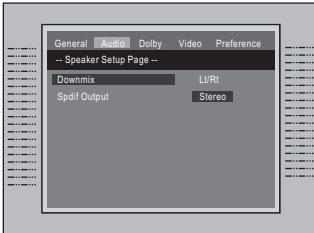
Audio SETUP

Press ENTER button on Speaker Setup, the sub-menu display below:



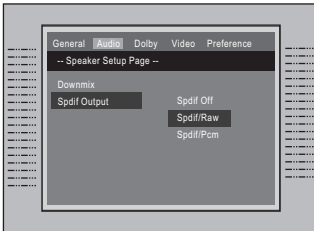
Downmix

This setting is suitable for films. If you want to enjoy music, the stereo is recommended to select the option.



Spdif Output

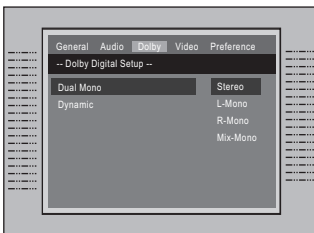
Follow the operating instructions stated in DVD menu setup to select the desired option in the following figure.



DOLBY SETUP

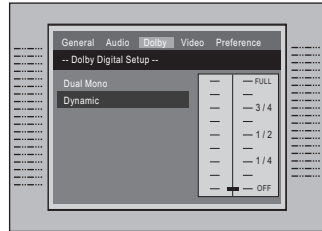
Dual Mono

If you have Dolby digital output in you amplifier/ decoder, you may select stereo, left, right and mixed sound accordingly.



Dynamic

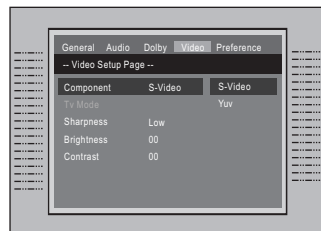
The function is generally used when playing high volume programs at night, in order not to disturb the neighbour. This setting can dynamically lower the volume and still keep the original tone quality. This is the range, measured in decibels, between the loudest and the quietest sound registers in a soundtrack.



VIDEO SETUP

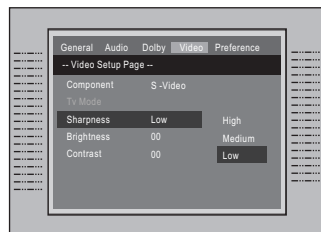
Component

Follow the operation instructions stated in DVD menu setup to select the desired option in the following figure.



Sharpness

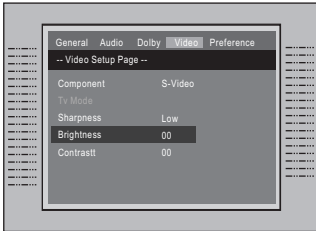
Follow the operation instructions stated in DVD menu setup to select the desired option in the following figure.



SETUP MENU (Press SETUP button)

Brightness/Contrast

Follow the operation instructions stated in DVD menu setup to select the desired option in the following figure.



Audio

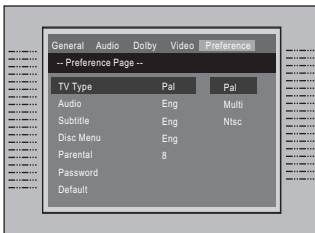
Sets the default audio language when a DVD is played (if the DVD supports the selected language).



PREFERENCE

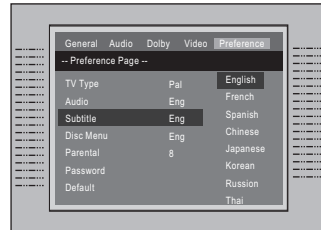
TV Type

Follow the operation instructions stated in DVD menu setup to select the desired option in the following figure.



Subtitle

Sets the default subtitle language when a DVD is played. (if the DVD supports the selected language).



This product supports output of various system, including PAL ,Multi (Auto), NTSC.

1. If your TV set has only NTSC or PAL system, the screen will blink and become colourless when a wrong system is selected, In this case, press the N/P button on the Remote control to switch the TV TYPE.

2. For more information of output format, refer to the instructions of your TV set.

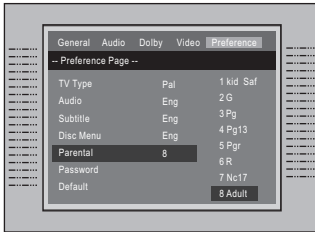
Disc Menu

Sets the default menu language when a DVD is played (if the DVD supports the selected language). This setting applies to the DVD menu and not the player's menus.



Parental

Follow the operation instructions stated in DVD menu setup to select the desired option in the following figure.



There are 8 levels of Parental Control, as follows:
 1: KID SAF; 2: G; 3: PG; 4: PG13; 5: PGR; 6: R;
 7: Nc17; 8: ADULT Level one opens discs to people of all ages.

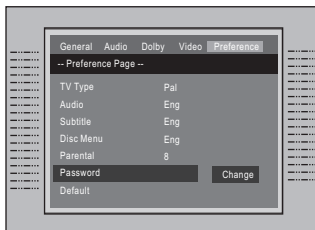
Level eight is suitable only for adults.

If you want to change the Parental Control setting, enter the level number and then the four digit pass code. The default code is 8888. (If you are using the player for the first time, there is the code that is needed.)

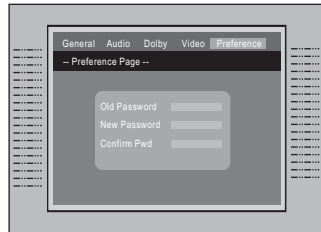
When the input code has been confirmed, the level setting menu will appear. Move the cursor to the appropriate level and press ENTER to confirm. Press Setup to exit the Menu.

Password

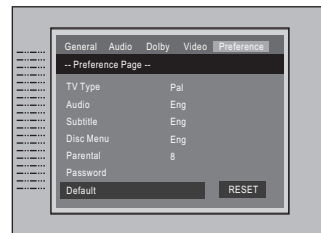
Follow the operation instructions stated in DVD menu setup to select the desired option in the following figure.



You can change the password, please type 4 numerals as new password.
 (Be sure remember new password.)
 If you forget your password, enter 1389. This is the override password.



Default



This is the factory default setting up. When choose RESET, the previous setting up by the user will be cancelled and the player will come to the factory setting up state.

TROUBLE SHOOTING

Should your DVD player develop a problem, please check below before requesting service:

| Symptom | Check and Action |
|--|---|
| No Power | <ul style="list-style-type: none"> • Check if the power cord has been properly connected to the power outlet. • Check if the main power button on the DVD player has been switched on. |
| Remote Control | <ul style="list-style-type: none"> • Make sure that the Main Power button on the DVD player has been switched on. |
| Does not play | <ul style="list-style-type: none"> • No disc, load a disc. • Disc has been loaded upside down. Place the disc with the label side up. • Disc's region code does not match to the player. • Disc's rating level is higher than the player's rating level setting • Disc is not correct type for the player. • Disc is damaged or dirty, clean the disc or try another disc. • Moisture may be condensed inside the player. Remove the disc and leave the unit power on for one or two hours. |
| No Picture | <ul style="list-style-type: none"> • Check if the TV set has power on, use TV remote to select A/V signal for DVD rather than broadcast. • Check if the system connection is proper and secure. • Check if the connection cables are damaged. • Clean the disc. • Please press OPEN button, then press PROGRAM and ZOOM button to return factory default status. |
| Picture noise / distorted | <ul style="list-style-type: none"> • The disc is dirty or damaged. Clean the disc or try another disc. • Reset the color system of the TV set. • Try by connect player direct to the TV set, without via a VCR for example. |
| Picture not full screen | <ul style="list-style-type: none"> • Select the screen format from the player's SETUP MENU, see "SETUP MENU" of this manual. • Select the screen format from DVD disc menu. |
| Problem message display on screen | <p>Following message will display when there is a problem with the loaded disc:</p> <ul style="list-style-type: none"> • "WRONG REGIONAL DISC": Disc's region code dose not match to the player. • "WRONG PASSWORD": The player refuse to play a disc with rating level higher than the player's rating level setting. • "WRONG DISC": The player is equipped with automatic disc quality detection software. When the player detects a problem disc or a damaged disc, the player may keep playing the disc at lower quality or stop playing, depending on the damage level of the disc. |
| Malfunction | <ul style="list-style-type: none"> • Press and hold the standby button (if any) for about 5 second to power off. • Should the player develop a malfunction, unplug the player for 30 minutes. After 30 minutes, power on the player and the restore function should reset the player. |



CAUTION : To reduce the risk of fire and electric shock, do not remove the cover (or back) of the unit. Refer servicing only to qualified service personnel.

| Symptom | Check and Action |
|---------------------------------------|---|
| Cannot SKIP or SEARCH | <ul style="list-style-type: none"> • Some discs are programmed that do not allow users to SKIP or SEARCH at some sections, especially at the beginning WARNING section. • Single Chapter disc cannot apply SKIP function. |
| No sound or sound output not complete | <ul style="list-style-type: none"> • Check if the TV and Amplifier have been switched on, and correctly set. • Check if the TV and Amplifier system connection is secured. • Press AUDIO button to select other audio tracks output of disc. • Check if the MUTE function of the TV or Amplifier has been activated. • There will be no sound output during REVERSE PLAY / PAUSE / STEP / SLOW and SEARCH. |
| MP3 disc no sound or noisy | <ul style="list-style-type: none"> • When PC program files or other data files are mixed with MP3 files in the same disc, the player may play the non-MP3 files with noise or no sound. • Check the disc, if all the files on disc are MP3 files Skip the file, try other files. |
| Remote control does not function | <ul style="list-style-type: none"> • Remove the obstacles between the remote control and the player. • Point the remote control towards the remote sensor on the player. • Check if the batteries of the remote control have been loaded with correct polarities. • Replace the batteries of the remote control. |
| Type of Disc | DVD CD-DA CD-MP3 CD-R / CD-RW |

SPECIFICATIONS

| | |
|--------------------|---|
| Video Format | MPEG 2 |
| Audio Format | MPEG 1, LAYER 1, LAYER 2 , LAYER 3 |
| Signal Output | Color System: PAL / NTSC Audio System: DOLBY DIGITAL down mix stereo DOLBY DIGITAL digital output Audio DAC 24bit/96KHz Video Output: 1 Vpp (at 75 ohm) Audio Output (Stereo): 2 Vpp |
| Frequency Response | CD: 20Hz-20KHz (EIAJ) DVD: 20Hz-22KHz (48K) 20Hz-44KHz (96K) |
| S / N ratio | > 90 dB |
| THD | < 0.05% |
| Output Terminals | Video (composite) output X 1 S-Video output X 1 Component Video(Y Cb Cr) output Down Mix Stereo output (Left and Right) X 1 Digital audio(coaxial/optical)output X1 |
| Power input | 110-240V 50/60Hz 15W |
| Dimension | Body size: 430x230x50mm Packing size: 466x94x333mm Net weight: 2.0kg |

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www.grundig.net.au

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