

SLIM HDMI DVD PLAYER



GDP1620HD

The Gold Technical Support Line: 1902 215 259

(Charges will apply at \$2.95 per minute)

GRUNDIG

Thank you for buying this Grundig product, which is designed to give you many years of trouble-free service.

You may already be familiar with using a similar unit, but please take time to read these instructions. They are designed to familiarise you with the unit's many features and to ensure you get the very best from your purchase.

Safety is important

Your safety and the safety of others are important.

Please therefore, ensure you read the "Safety Instructions" **before** you operate this unit.

Warranty

In the unlikely event that your product fails to work normally, please call the below free phone number to discuss the problem with one of our qualified service engineers.

Australia.

Grundig Warranty: 1800 509 394

New Zealand

Grundig Warranty: 0800 450 259

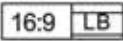
TABLE OF CONTENTS

1. INTRODUCTION-----	1
2. TABLE OF CONTENTS-----	2
3. FEATURES-----	3
4. SAFETY PRECAUTIONS-----	4-5
5. FRONT PANEL AND REAR PANEL -----	6
6. REMOTE CONTROL-----	7
7. CONNECTING YOUR DVD PLAYER -----	8-9
8. OPERATION-----	10-11
9. PLAYING WMA, MP3 AND JPEG DISCS -----	12
11. SETUP MENU SYSTEM -----	13-16
12. SPECIFICATIONS-----	17
13. TROUBLESHOOTING-----	18
14.WARRANTY-----	19

FEATURES

- Your DVD player is suitable for playing: DVDs, SVCDs, CDs, VCDs VCD, DVD±RWs, DVD±RWs, CDs, CD-Rs and CD-RWs with MP3 data and picture data (JPEG and Picture CDs) CD-Rs and CD-RWs with video data
- Component (YPbPr) and Composite Video Output
- Coaxial Digital Audio Output
- Video Output Supported to 1080P
- HDMI Output
- LED Display
- Multi Language Menu
- Remote Control
- Progressive scan

Disc formats supported by this player:

	Kodak picture CD		Multi-angle
	Audio CD		Subtitle choices
	Video CD		Audio choices
	DVD video		TV aspect ratio modes
	Parental lock		DOLBY Digital audio output

Region code

This DVD player is programmed under the region code policy. Only region 4 can be played on this DVD Player.

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



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. REFER SERVICING TO A QUALIFIED SERVICE PROFESSIONAL ONLY.



This symbol alerts the user to the presence of uninsulated dangerous voltage within this device, which may be a risk of electric shock.



This symbol alerts the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.



Laser Product Symbol: located on the rear panel of the unit, indicate this player is a class 1 laser product. It only uses a weak laser and there is no risk of hazardous radiation outside of this unit.

Safety Instructions:

1. Please ensure that you read this instruction manual carefully, before installing and using this product.
2. Do not touch the power plug with wet hands
3. Switch off the main power when the unit is not in use
4. Disconnect the power plug from the power outlet when you do not intend to use the unit for a prolonged period of time.
5. Before moving the unit, remove the disc from the unit/ tray first.
6. Do not open the cover or touch any of the components inside the unit.
7. To avoid heat damage, do not expose the unit to direct sunlight or any heat radiating devices.
8. Do not expose this unit to extreme temperatures, including humidity and dampness.
9. Place the unit on a flat surface. Please ensure the ventilation holes are not covered to avoid overheating and malfunction.
10. Clean the panel and case with a soft dry cloth only.
11. Do not expose the DVD player to water, dripping or splashing. No objects filled with liquids, such as vases, shall be placed on or near the apparatus.
12. No naked flame sources, such as lighted candles, should not be placed on or near the apparatus.
13. If the electric cable is damaged, please ensure you take it to a qualified professional to be replaced.

Macrovision:

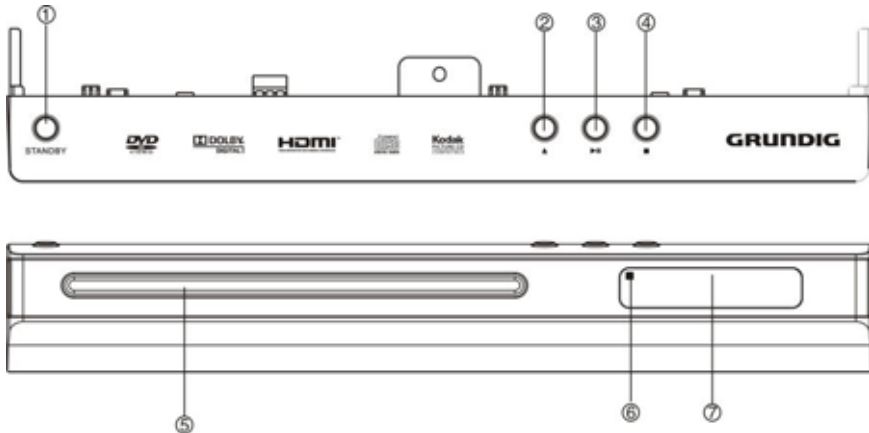
This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Manufactured under license from Dolby Laboratories.

"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

FRONT PANEL AND REAR PANEL

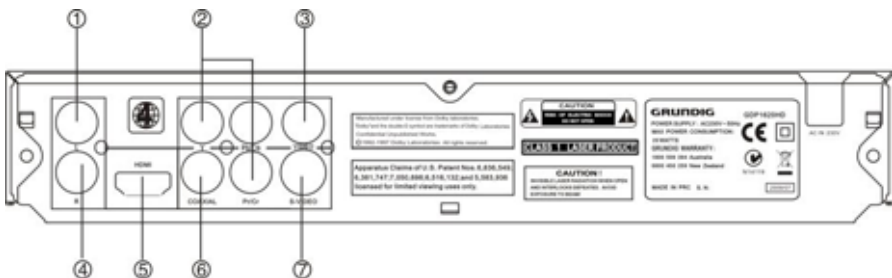
Front Panel



1. Standby
2. Eject
3. Play/Pause

4. Stop
5. Disc Tray
6. Sensor
7. LED Display Screen

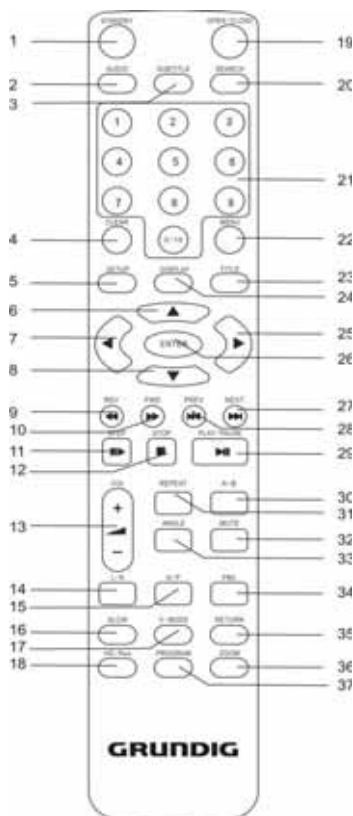
Rear panel



1. Downmix Left
2. Component Video Output
3. Video

4. Downmix Right
5. HDMI
6. Coaxial Output
7. S-video Output

REMOTE CONTROL



1. STANDBY	19. OPEN/CLOSE
2. AUDIO	20. SEARCH
3. SUBTITLE	21. NUMERIC BUTTON
4. CLEAR	22. MENU
5. SETUP	23. TITLE
6. UP BUTTON	24. DISPLAY
7. LEFT BUTTON	25. RIGHT BUTTON
8. DOWN BUTTON	26. ENTER
9. REV	27. NEXT
10. FWD	28. PREV
11. STEP	29. PLAY/PAUSE
12. STOP	30. A-B
13. VOL+/-	31. REPEAT
14. L/R	32. MUTE
15. N/P	33. ANGLE
16. SLOW	34. PBC
17. V-MODE	35. RETURN
18. HD/RES.	36. ZOOM
	37. PROGRAM

Note: See further explanation on page 10-11.

Using the Remote Control

Unless stated otherwise, the remote control can operate all the features of the DVD Player. Always point the remote control directly at the remote sensor on the front of the DVD Player, not the TV.

Battery Installation

Remove the battery compartment lid on the rear of the remote control by sliding the lid down, then off.

Place two AAA batteries inside the battery compartment with their +/- and ends aligned as indicated.

Do not mix old and new batteries or different types of batteries

Replace the battery compartment lid. Slide the lid until you hear it click into place.

Important:

Please ensure you throw away your batteries in a responsible manner.

Before connecting your DVD player, make sure to turn off the power and remember to turn it back on to play install.

Basic Connections

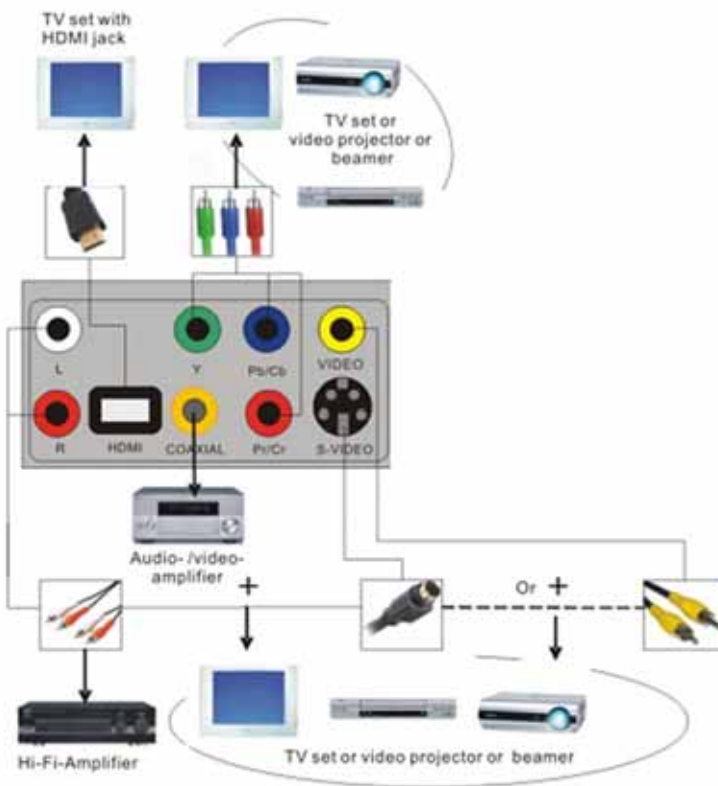
You should connect your AV cables by colour.

Yellow plug ----- Video Terminal (yellow)
White plug----- Left Audio Terminal (white)
Red plug----- Right Audio Terminal (red)

Connecting your DVD player to your TV

There are the following ways of connecting the DVD player AV output to the TV set:

- Connect the Composite Video Cable and left/right audio cable for **S-Video** connection.
- Connect the **S-Video** Cable and left/right Audio Cable to set the video type to **Component**.
- Connect the Component Video Cable and left/right audio cable to set the video type to **Component**. If you are connecting a progressive scan TV set, please set the video type to **P-Scan**)
- HDMI cable (press **V-MODE** button to switch the video mode to HD and set the video type to HD) to **HDMI** Output.



Connecting your DVD player to your Amplifier

There are the following ways of connecting your DVD player with an AV amplifier:

- Connect the left/right Audio Output
- Connect the Coaxial Digital Audio Output

Warning:

Do not connect any amplifier with coaxial connector that does not contain Dolby digital AC 3 or DTS decoder. Any attempt to do so will result in damaging your speakers.

Function Buttons on the Remote Control

Menu Play

Press the MENU button to display the DVD Root Menu.

When the menu is displayed, you can press the ARROW buttons to highlight the menu item you want to choose. Press the ENTER button to confirm selection and enter next menu.

Playback Control

Press the MENU button to display the SVCD or VCD 2.0 menu.

When the menu is displayed, you can press the ARROW buttons to highlight the menu item you want to choose. Press the ENTER button to confirm selection and enter next menu.

Title Play

During DVD playback, Press the TITTLE button to display the DVD title menu.

Sequence Play

When a SVCD or VCD disc is loaded the MENU will be displayed. Press the MENU button to switch off. Then the player can play in sequence playback mode, you can also press the PLAY/PAUSE button to enter sequence play mode.

Program Play

The Program Playback option allows you to enter the order in which you want chapters or tracks to play, the maximum is 16.

PROG			
T C	T C	T C	T C
--:--	--:--	--:--	--:--
--:--	--:--	--:--	--:--
--:--	--:--	--:--	--:--
--:--	--:--	--:--	--:--
<PLAY>		<CLEAR>	

Program Menu:

Press the PROGRAM button to enter program playing state.

Use the ARROW key to highlight the item.

Use the NUMERIC key to enter chapter/track.

Use the PLAY/PAUSE to start play.

Note: To clear the programmed order, use ARROW buttons to highlight the "CLEAR" item and then Press the ENTER button.

To modify the programmed order, use ARROW buttons to highlight the modifying item and enter the new chapter / track you want to program directly.

Selecting Tracks

Press the NUMERIC buttons to select desired title/ tracks.

Note: To select tracks from 1 to 9, Press the corresponding NUMERIC buttons.

When selecting track of 10 or above, Press the 10+ buttons first.

Skipping Tracks

To skip forward to the beginning of the next title / chapter / track on a disc, Press the **NEXT**.

To skip backward to the beginning of the preceding title / chapter / track on a disc, Press the **Prev**.

Multispeed Fast Motion Playback

Press the FWD button to fast forward play.

Fast Forward Playback has four speeds: $\times 2$, $\times 4$, $\times 8$ and $\times 20$.

Press the REV Button to fast reverse play. Fast Reverse Playback has four speeds: $\times 2$, $\times 4$, $\times 8$ and $\times 20$.

Press the PLAY/PAUSE button to resume normal playback.

Multispeed Slow Motion Playback

Press the SLOW button to enter Slow Motion Playback mode.

Slow Motion Playback has six speeds: 1/2, 1/3, 1/4, 1/5, 1/6, 1/7.

Press the PLAY/PAUSE button to resume normal playback.

Using the Repeat Feature

While a disc is playing, Press the REPEAT button to switch repeat modes. Press the REPEAT buttons consecutively to enter the below modes:

DVD playback: Off, Chapter Repeat and Title Repeat.

VCD playback: Off, chapter Repeat and Disc Repeat.

Using the Display Feature

Press the DISPLAY button to show playing information.

Changing the Audio Language

Press the LANGUAGE button to change the audio language.

Changing the Camera Angle

Press the ANGLE button to switch camera angle.

Changing the TV System

Press the N/P button to change TV system: NTSC, PAL and AUTO.

Zoom Function

The Zoom Function allows you to enlarge or zoom in and out of the video image Zoom formats: Zoom 2, Zoom 3, Zoom 4, Zoom 1/2, Zoom 1/3, Zoom 1/4 and Zoom Off.

Press consecutively to enter formats.

Use the ARROW buttons to pan across the screen when the zoom factor is 2, 3 or 4.

A-B FUNCTION

During the normal or fast motion playback, press the A-B button once and "REPEAT A-" will appear on the screen. This indicates the start of the loop to be repeated.

During the normal or fast motion playback, press the A-B button again and "REPEAT A-B" will appear on for the duration of the repeat. It indicates the end of the loop.

Volume Control

You can press the VOLUME button on the remote control or the TV set or the amplifier to control the sound level.

Note: During DVD PCM output playback, this feature does not work.

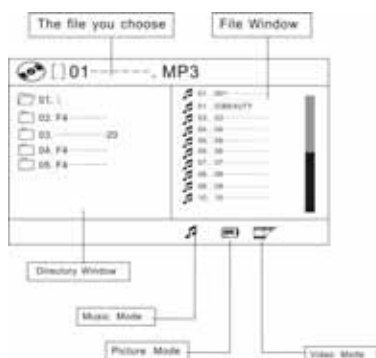
Mute

Pressing the MUTE button allows you to turn off the sound Press the button again to resume sound.

Subtitle

Press the SUBTITLE button to switch subtitle language on or off.

Playing WMA, MP3 and JPEG discs



Place an MP3 / JPEG disc into the tray and the player will auto search the saved MP3 / JPEG files. After searching, it will automatically go to the first file saved and play the first song in the file. The screen will display as the picture on the left shows.

Use the ARROW buttons to select files you want to play.

You can press the NUMERIC buttons to select the file you want to play. For example, if you desire the 15th track in current list, press the "10+" button once and then Press the "5", the 15th will begin to play.

When playing JPEG pictures, press the PROGRAM button to choose the pictures switched mode. There are 17 modes; Press the Program consecutively to activate the function and choose the required switch mode: Spread from Up to Down, Spread from Down to Left, Spread from Left to Right, Spread from Right to Left, Spread from Left Up to Right Down, Spread from Right Up to Left Down, Spread Left Down to Right Up, Spread from Right Down to Left Up, Spread from Center to Up / Down, Fold from Up / Down to Center, Fold from Left / Right to Center, Horizontal Shutter, Vertical Shutter, Fold from the Corners to the Center, Random Play, Off.

To change the photo display angle, press the ARROW buttons as follows:

Up: flip vertical

Down: flip horizontal

Left: rotate 90° counter-clockwise

Right: rotate 90° clockwise

After playing a picture slide show, press the MENU button and the screen will display 6 small pictures. To view the next 6 pictures, press the NEXT button or the RIGHT button to go forward. Press the PREV button or the LEFT button to go to the previous page.

Setup Items Introduction

Press the SETUP button, the main setup menu appears.

When the main menu is displayed, the DVD system will auto pause.

Press the Left and Right ARROW buttons to highlight the icon of the desired page, then press the Down or Right ARROW button to activate that page.

Press the ARROW buttons to highlight the Exit Setup option and then Press the ENTER button or Setup again to exit Setup Menu.

SYSTEM SETUP

The system setup options are illustrated below:

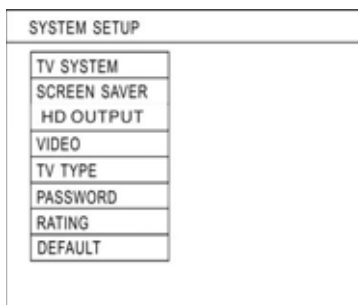
1. TV SYSTEM

According to the Color System of the TV, you can choose the TV System.

AUTO: Choose this settings if your DVD player is connected to a multi-system TV.

NTSC: Choose this settings if your DVD player is connected to a NTSC TV.

PAL: Choose this settings if your DVD player is connected to a PAL TV.



2. SCREEN SAVER

When your DVD player is in Stop, Open, or No Disc state, or there is a frame frozen for more than 3 minutes, the screen saver will be displayed. This feature can protect the screen from damage.

ON: Choose this setting to activate the screen saver.

OFF: Choose this setting to cancel the screen saver

3. HD OUTPUT

In this option, you can select different resolution. The default set is HD 720P.

When you change to the HDMI output with different resolution from the normal video output, an interface will be displayed. Select “yes” to confirm change, select “no” to exit.

HD Video in any video mode can be output and HDMI can be output along with other video output at the same time.

4. VIDEO

Interlace-YUV: Choose this setting if your DVD player is connected to a TV with Y, Cb and Cr video cables.

P-SCAN YPBPR: Choose this setting if your DVD player is connected to a progressive scan TV with Y, Cb and Cr video cables.

S-VIDEO: Choose this setting if your DVD player is connected to TV with S-Video cable.

5. TV TYPE

16:9 (Wide Screen): Choose this setting if your DVD player is connected to a wide screen TV. If you choose this setting and you don't have a wide screen TV, the images on the screen may appear distorted due to vertical compression.

4:3 LB (Letter Box): Choose this setting if your DVD player is connected to a normal ratio TV. You'll see the movies in their original aspect ratio (height-to-width ratio). You'll see the entire frame of the movie, but it will take up a smaller portion of the screen vertically. The movie might appear with black bars at the top and bottom of the screen.

4:3 PS (Pan & Scan): Choose this setting if your DVD player is connected to a normal ratio TV. You can fill the movie to the entire screen of your TV. This might mean that parts of the picture (the left and right edges) won't be seen.

Note: The image display ratio is related to the recorded disc format. Some discs can not display images in the aspect ratio you choose.

If you play a disc recorded in 4:3 format on a wide screen TV, black bars will appear on the left and right side of the screen.

You must adjust the screen setting depending on the type of the television you have.

6. PASSWORDS

In order for the Ratings feature and Password to work, the password mode must be turned on. If you want to set the ratings limit, you will need to enter the default password, which is 0000 and then Press the ENTER button to confirm. To change the password, you will be prompted for the old password and then be prompted for a new, enter a 4-digit number.

7. RATING

The Rating feature is a rating limit system, like movie ratings. It works with DVD discs that have been assigned a rating. This helps you control the types of DVDs that your family watches.

There are the following rating options: KID SAFE, G, PG, PG13, PG-R, R, NC-17 and ADULT.

8. DEFAULT

Choose the default setting to reset all current settings. The DVD player will now be set to the standard factory settings.

9. LANGUAGE SETUP

The language setup options are illustrated on the right.

A. Highlight the OSD LANGUAGE option and press the ARROW buttons to choose the OSD language you prefer. Press the ENTER button to confirm and it will display the OSD language.



- B. Highlight the AUDIO LANG option and press the ARROW buttons to choose the audio language you prefer. Press the ENTER button to confirm. If the disc you are playing has that language available, it will output the audio will be in that language.
- C. Highlight the SUBTITLE LANG option and press the ARROW buttons to choose the subtitle language you prefer. Press the ENTER button to confirm. If the disc you are playing has that language available, it will display the subtitles in that language.
- D. Highlight the MENU LANG option and press the ARROW buttons to choose the menu language you prefer. Press the ENTER button to confirm. If the disc you are playing has that language available, the menu will be displayed in that language.
- E. Highlight the MPEG4 SUBTITLE option and press the ARROW buttons to choose the Subtitle you prefer. Press the ENTER button to confirm.

Note: If your preferred language isn't available, the disc's default language will be played.

10. AUDIO SETUP

Highlight the AUDIO OUT option and press the ARROW buttons to choose the audio output mode you prefer. Press the ENTER button to confirm. There are three optional audio output modes: SPDIF/OFF, SPDIF / RAW and SPDIF/ PCM.

SPDIF/OFF: There will be no Audio Output signal from the Coaxial Digital Output.

SPDIF/ RAW: Choose this setting if your DVD player is connected to a power amplifier with a coaxial cable. When playing a disc recorded with Dolby Digital, DTS and MPEG audio formats, the corresponding digital signals will be output from the Coaxial Output Jack. This DVD player's digital output jacks are designed for a connection to a Dolby Digital, DTS, or MPEG receiver or decoder.

SPDIF / PCM: Choose this setting if your DVD player is connected to a 2-channel digital stereo amplifier. When playing a disc recorded with Dolby Digital and MPEG audio formats, audio signals will be modulated into a 2-channel PCM signal and it will be output from the Coaxial Output Jack.

11. VIDEO SETUP

The video setup options are illustrated on the right.

BRIGHTNESS

Use the UP and DOWN ARROW buttons to move the scroll and adjust the brightness.

CONTRAST

Use the UP and DOWN ARROW buttons to move the scroll and adjust the contrast.

HUE

Use the UP and DOWN ARROW buttons to move the scroll and adjust the hue.

SATURATION

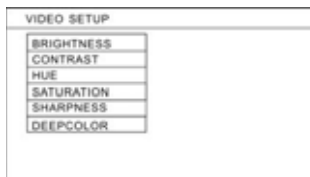
Use the UP and DOWN ARROW buttons to move the scroll and adjust the saturation.

SHARPNESS

Use the UP and DOWN ARROW buttons to move the scroll and adjust the sharpness.

DEEPCOLOR:

Choose OFF, 30 BIT or 36 BIT.



12. SPEAKER SETUP

The speaker setup options are illustrated on the right.

DOWNMIX

Use the UP and DOWN ARROW buttons to move the scroll and adjust the speaker setup.

- LT/RT
- STEREO
- VSS



13. DIGITAL SETUP

The video setup options are illustrated on the right.

OP MODE

LINE OUT: Choose this setting to line out the input signal. In this mode the volume input will be low.

RF REMOD: This mode will provide a high output volume.



DYNAMIC RANGE: When "LINE OUT" is selected, choose this setting to adjust the line out ratio. If adjusting to FULL, the audio signal peak value will be the maximised.

DUAL MONO (LEFT + RIGHT)

Choose this option to setup the L and R mono output mode .There is four modes in this option: STEREO, MONO L, MONO R and MIX MONO.

Specification

Signal system	PAL/AUTO/NTSC
Frequency Response	20HZ-20KHZ(at 1KHz 0 dB)
Signal-to-Noise Ratio	≥90 dB(at 1KHz 0 dB)
Audio Distortion +Noise	≤-60dB (at 1KHz0dB)
Audio Output(Analog audio)	2.0 ⁺⁰ _{-1.0} Vrms
Video Output	Composite:1.0±0.2Vp-p Load impedance: 75Ω, imbalance, negative polarity
MAX Resolution	>500 lines
Power Supply	AC 230V 50Hz
Dimensions	255(mm)X190(mm)X38(mm)
Supported Disc	MPEG-4/Xvid/DVD/SVCD/VCD/CD/MP3/Kodak Picture/Photo CD
Accessories	Instruction manual, Remote control, warranty leaflet, AV cable

Recycling



Please ensure that you dispose of this DVD player in the correct manor after its life, contact your local council to find out the best way to dispose of the product.

No picture:

- Ensure that the equipment is connected properly.
- Connect the video cable securely into the appropriate jacks.
- Select the appropriate video input mode on the TV.

Picture Distorted

- The disc may be dirty or scratched. You should ensure it is cleaned.
- Ensure that the picture cables are connected correctly.

No Sound

- Check the volume level.
- Connect the audio cable securely into the appropriate jacks.
- Ensure that the input settings for the television and stereo system are correct.
- You may have pressed MUTE by accident, Press the MUTE button again to turn MUTE off.

Remote Control does not work properly

- Remove any obstacle existing between the DVD player and the remote control.
- The remote control may be too far away from the DVD player. Move closer to the DVD player.
- Point the remote control at the remote sensor of the DVD player.
- The batteries in the remote control may be exhausted, you should replace the batteries.

DVD Player does not start playback

- Check disc is inserted and has been placed in the tray correctly.
- The disc may be dirty, please clean the disc.

Please keep your receipt as proof of purchase. This product is warranted for any defect in materials or workmanship for one year after the original date of purchase. This product is for normal domestic and office use only. This warranty does not cover damage from misuse or neglect, accidental damage, vermin infestation, excessive voltages such as lightning or power surges or any alteration that affects the performance or reliability of the product.

In the unlikely event that your product fails to work normally, please contact **Grundig Warranty on 1800 509 394 (Australia) or 0800 450 259 (New Zealand)** and have your receipt of purchase on hand.

This warranty is subject to the following provisions:

- It is only valid within boundaries of the country of purchase
- The product must be correctly assembled and operated in accordance with the instructions contained in this manual
- This product must be used solely for domestic purposes
- The warranty does not cover accidental damage
- The warranty will be rendered invalid if the product is resold or has been damaged by inexperienced repair
- The manufacturer disclaims any liability for incidental or consequential damages

This warranty is in addition to and does not diminish your statutory or legal rights.

PO BOX 6287
Silverwater NSW 1811
www.grundig.net.au

Grundig Warranty: 1800 509 394 Australia
Grundig Warranty: 0800 450 259 New Zealand

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