

50 Series

DVD Player

Owners' Manual

 ***Cambridge Audio***

50 Series

INTRODUCTION

Congratulations on purchasing this Cambridge Audio 50-Series DVD Player. It has been designed using the results from an extensive Research & Development program undertaken to identify the circuitry and components fundamental to our highly regarded and critically acclaimed products.

Now we invite you to sit back, relax and enjoy!

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SAFETY PRECAUTIONS

For safety reasons please read the following instructions and the enclosed Important Safety Information carefully before attempting to connect your DVD player to the mains.

Warning

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

Caution

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



Caution

To reduce the risk of electric shock, do not remove cover (or back). There are no user-serviceable parts inside. Please refer all servicing to a qualified engineer.

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



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

This product complies with European Low Voltage (73/23/EEC) and Electromagnetic Compatibility (89/336/EEC) Directives when used according to this instruction manual.



Plug Fitting Instructions (UK only)

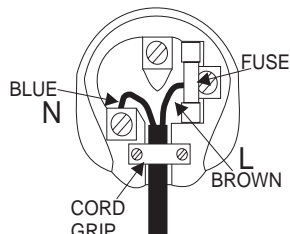
The cord supplied with this appliance is factory fitted with a 13A mains plug fitted with a 3A fuse inside. If it is necessary to change the fuse, it is important that a 3A one is used.

If the plug needs to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below.

The plug must then be disposed of safely, as insertion into a 13A socket is likely to cause an electrical hazard. Should it be necessary to fit a 3-pin BS mains plug to the power cord the wires should be fitted as shown in this diagram.

The colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug. Connect them as follows:-

- The wire which is coloured BLUE must be connected to the terminal which is marked with the letter 'N' or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal which is marked with the letter 'L' or coloured RED



Note

If a 13 Amp (BS 1363) type of plug is used a 3 Amp or 5 Amp fuse must be fitted, either in the plug or adaptor, or on the distribution board.

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SAFETY PRECAUTIONS

Read Instructions - All the safety and operating instructions should be read before the product is operated

Retain Instructions - The safety and operating instructions should be retained for future reference.

Heed Warnings - All warnings on the product and the operating instructions should be adhered to.

Follow instructions - All operating and use instructions should be followed.

Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.

Water and Moisture - Do not use this product near water - for example, near a bath tub, wash bowl or kitchen sink; in a wet basement, or near a swimming pool etc.

Accessories - Do not place this product on an unstable surface, stand, bracket or table. The product may fall, causing serious injury to child or adult, and serious damage to the product. Use only a surface, stand bracket or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.



A product and stand combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the combination to overturn.

Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

Power Sources - This 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 product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

Grounding or Polarization - In some countries this product may be equipped with a polarized alternating-current line plug (a plug having one pin wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug into the outlet, try reversing the plug. If the plug still does not fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

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 point where they exit from the product.

Lightning - For added protection for this 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 product due to lightning and power-line surges.

SAFETY PRECAUTIONS

Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Damage Requiring Service - Unplug this product 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 onto the product
- c) If the product has been exposed to rain or water
- d) If the product 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 product to its normal operation
- e) If the product has been dropped or damaged in any way
- f) When the product exhibits a distinct change in performance - this indicates a need for service

Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorised substitutions may result in fire, electric shock, or other hazards.

Safety Checks - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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A BRIEF INTRODUCTION TO DVD

DVD is well known for its extraordinarily large capacity and outstanding audio-video effects. Its capacity is as high as 4.7-17 GB (approximately 7-26 times the capacity of CD). With 500-line horizontal resolution of picture and Dolby Digital 5.1 Channel surround sound, it brings a new era to audio visual entertainment .

COMPARISON BETWEEN DVD AND OTHER DISCS

	DVD				LD	Super VCD	VCD	CD	CDROM
Recording Method	Digital/MPEG2				Analog	Digital/MPEG2	Digital/MPEG1	Digital	Digital
Capacity	Single-sided 1 layer 4.7G	Single-sided 2 layers 8.5G	Double-sided 1 layer 9.4G	Double-sided 2 layers 17G		650MB	650MB	650MB	650MB
Playback time	133min.	242min.	266min.	484min.	1 side 60min. 2 sides 120min.	45min.	74min.	74min.	
Disc Diameter	12CM/8CM				30CM/20CM	12CM/8CM	12CM/8CM	12CM/8CM	12CM/8CM
Horizontal Resolution	500 lines or more				430 lines or more	350 lines or more	250 lines or more		
Aspect Ratio	Multiple				One				
Subtitle	32 types				Max. 16 types				
Audio	Dolby Digital/Linear PCM				Linear PCM FM modulation			Linear PCM	
Sound Quality	48KHz,96KHz/16,20,24bit				44.1KHz/16bit		44.1KHz	44.1KHz/16bit	

Note This player does not support Super VCD or VCD

FUNCTION INTRODUCTION

- Multiple languages and subtitles

DVD disc can support as many as 8 dubbing languages and 32 sub title languages.

- Multiple angles







DVD disc may support as many as 9 camera angles.

- Multiple story plots

Users can select to play desired plots (the beginning, development or ending) of the same disc.

- Multiple aspect ratios

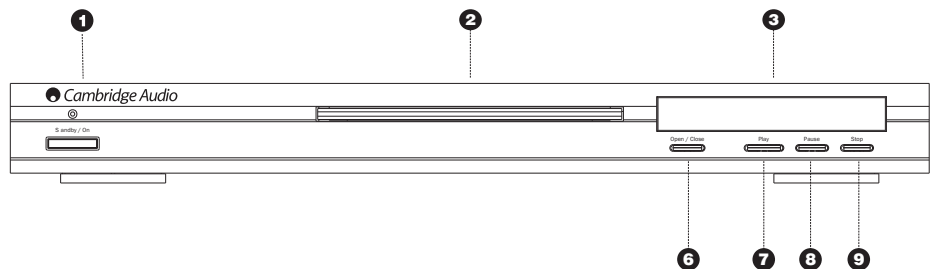
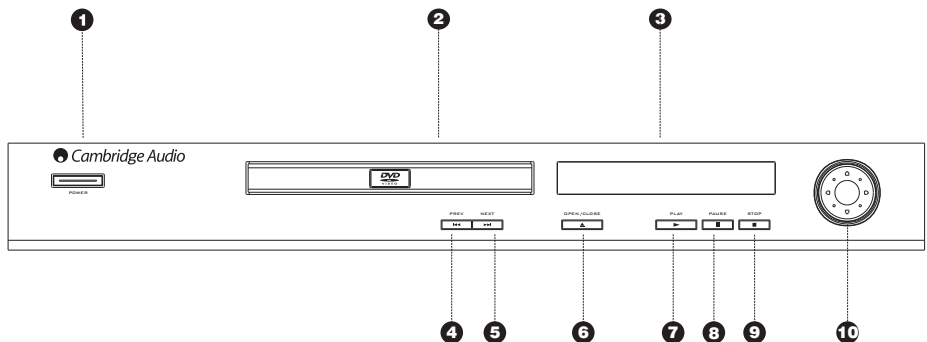
Multiple aspect ratios support various TV screens.

Disc Pictures	TV Screen		
	4:3		16:9
	Pan-Scan	Letterbox	
4:3			
16:9			

COMPATIBLE DISC TYPES

Types	Sizes	Recorded Contents
COMPACT disc DIGITAL AUDIO	12cm or 8cm	CD Digital audio
DVD VIDEO	12cm or 8cm	DVD Compressed digital audio + compressed digital video (dynamic picture)
MP3	12cm	Mp3 Compressed digital audio

FRONT CONTROL BUTTON LOCATIONS AND EXPLANATIONS



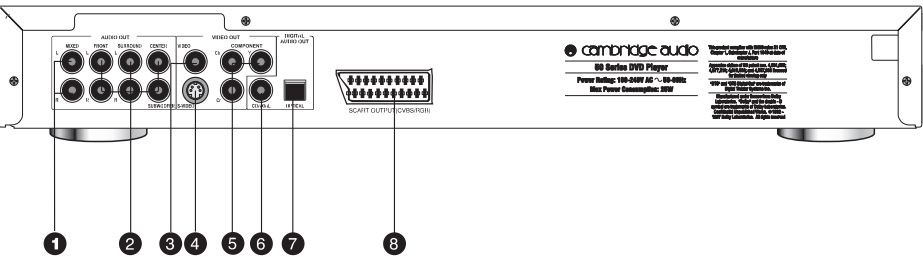
- ❶ POWER switch
- ❷ Disc tray
- ❸ VFD display window
- ❹ Previous
- ❺ Next

- ❻ Open / Close
- ❼ Play / (Select when used with Jog Dial)
- ❽ Pause
- ❾ Stop
- ❿ Jog Dial/Menu Navigation

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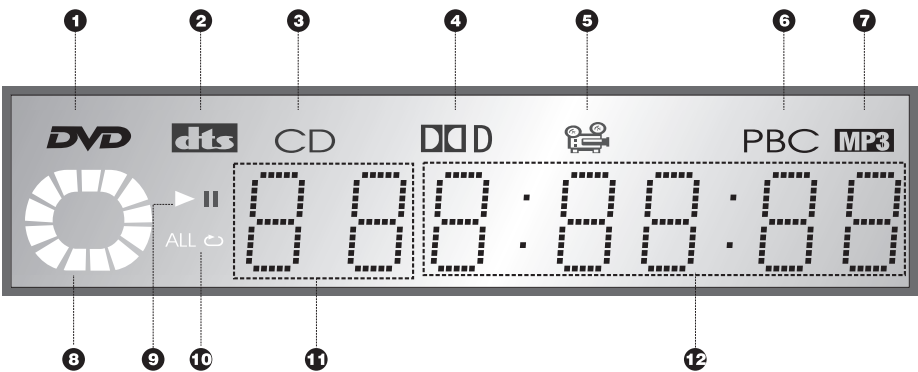
REAR PANEL CONNECTIONS

Note : models 55, 57 and 59 offer Progressive Scan output via the component video sockets.



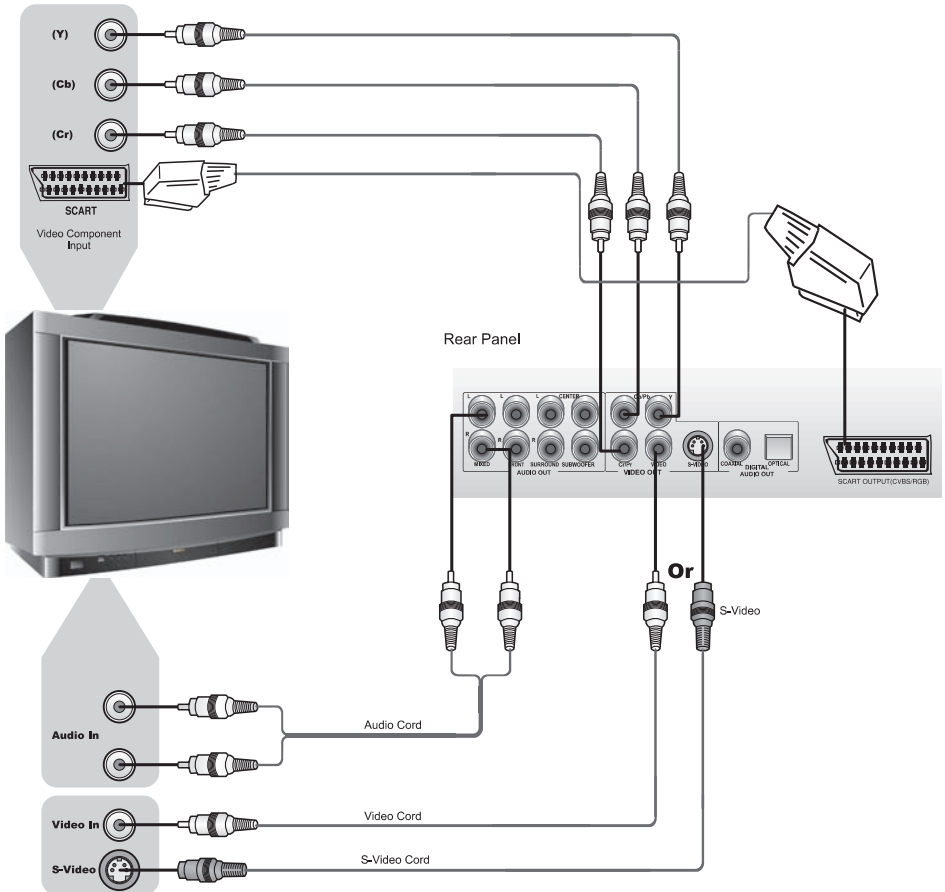
- | | | |
|-----------------------|-----------------------------|-----------------------------|
| 1 Mixed Audio Out | 4 S-Video Out | 7 Digital Audio Optical Out |
| 2 5.1CH Audio | 5 Component Video Out | 8 SCART Output |
| 3 Composite Video Out | 6 Digital Audio Coaxial Out | |

DISPLAY



- | | | |
|-----------------|------------------------------|---------------------|
| 1 DVD disc | 5 Angle | 9 Play or Pause |
| 2 DTS | 6 PBC | 10 Repeat |
| 3 CD | 7 MP3 disc | 11 Chapter or Track |
| 4 Dolby Digital | 8 Playback status indication | 12 Playback time |

CONNECTION TO A TV / DISPLAY



If your TV has S-Video inputs, an S-Video interconnect can be used to connect this player. When the video output is used the component video outputs cannot be used.

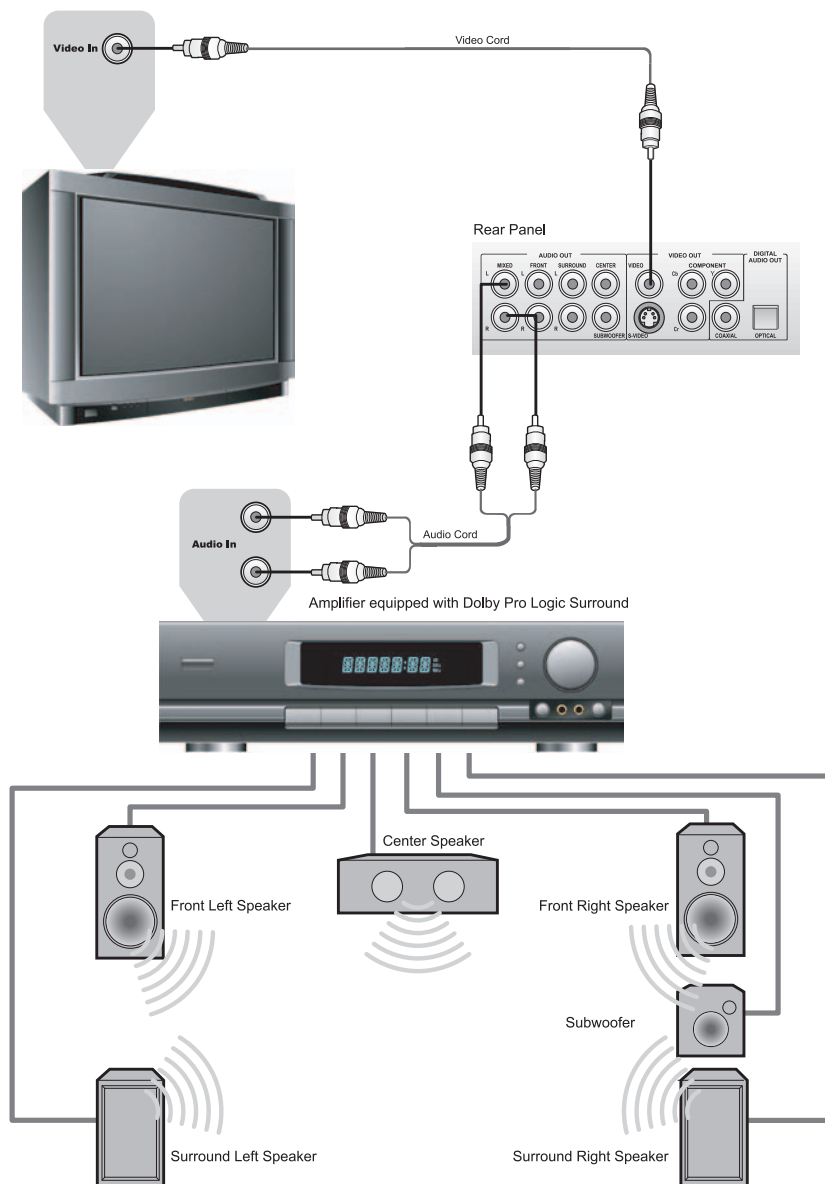
If the TV has a component video input, the component video output of this player can be used. When the component video outputs are in use the S-Video output cannot also be used.

If the AUDIO OUT of this player is connected to your TV, the MIXED AUDIO OUT sockets should be connected to your TV's AUDIO IN terminals.

The RGB outputs from the SCART connector and the component outputs cannot be used simultaneously.

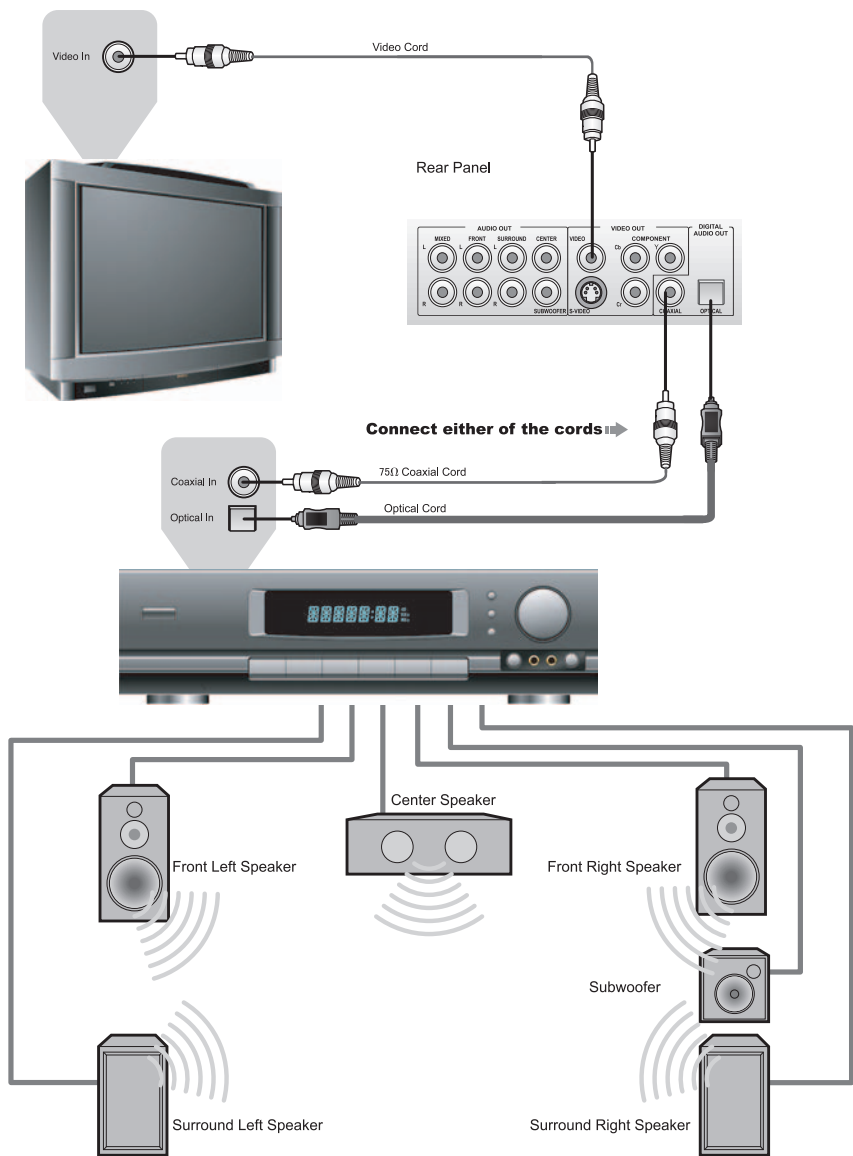
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CONNECTIONS TO A 2 CHANNEL AUDIO SYSTEM



When setting up the speakers please set the DOWNMIX mode to "LT/RT"

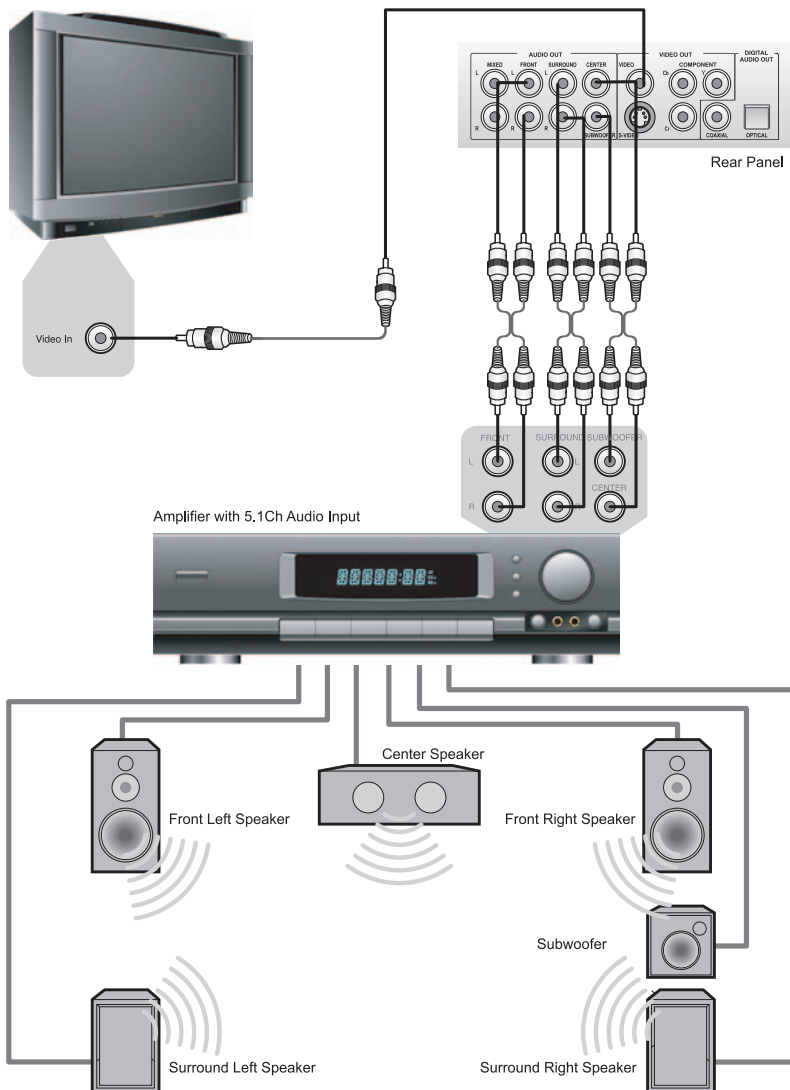
CONNECTION TO AN AMPLIFIER WITH DOLBY DIGITAL OR DTS



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CONNECTION TO A 5.1 INPUT AUDIO SYSTEM



The built-in Dolby Digital decoder inside your 50-series DVD player makes it possible to play discs recorded with Dolby Digital. This is achieved simply by connecting your player to an amplifier or receiver with 5.1 channel amplification and an appropriate home theatre loudspeaker package.

"5.1" means 5 main channels of output (front left, front right, centre, surround left, surround right) plus subwoofer (the ".1")

OPERATION

Playback

Press POWER switch

Press EJECT button.

Disc tray ejects automatically, then place the disc with the label side face up.



Press EJECT button again, disc tray retracts.

Disc information is being read by your player.

Press PLAY button and playback automatically starts.

Press the STOP button to stop playing.

Pressing the STOP button for the first time, the player enters the pre-stop mode. In this mode, if you press the PLAY button, the player will play the disc from the stop point. Press the STOP button a second time, and the player will enter the stop mode.

Pressing the STOP button when playing an MP3 disc, enters the stop mode directly.

TV System Selection

Set the DVD player's system according to that of your TV set using the P/N button on your remote handset.

You are able to scroll between PAL, NTSC and Auto. If you have a modern multi-system TV then we suggest you set this function to AUTO. Otherwise the PAL setting is most appropriate



NOTES

- You cannot switch TV systems when the DVD player is playing a disc. TV systems are switchable when the DVD player is in STOP status or when no disc is inside the machine.

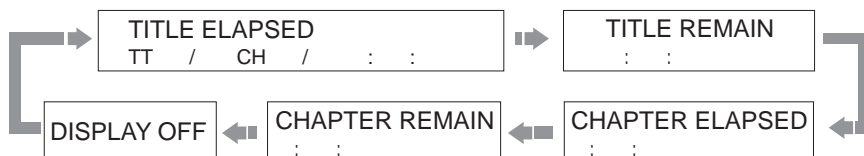
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OPERATION

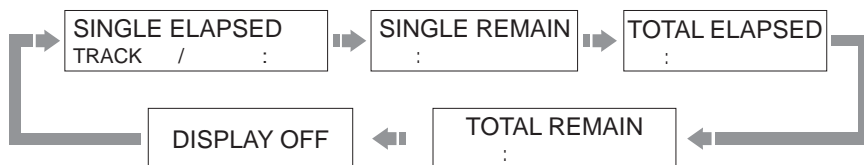
OSD (On Screen Display)

Press the **OSD** button and scroll through the available functions :-

DVD



CD



Angle Selection

Press the **ANGLE** button and your TV will display :-



To select other angles press the angle button repeatedly :-



To resume normal playback, press the **ANGLE** button to select the default setting.

NOTES

- The number of angles varies between DVD discs and only applies to discs recorded with different angles.

Language Selection

Press the **AUDIO** button.

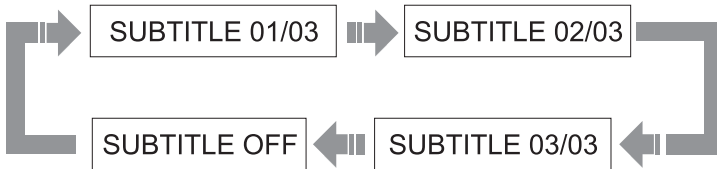
You may change the language when playing multi-language DVD discs.



Subtitle Selection

Press the **SUBTITLE** button.

Each press of the SUBTITLE button will scroll through the available subtitle languages. After the language options have been cycled through the SUBTITLE OFF option will appear



Volume Control

Pressing **VOLUME** button.

Press the VOLUME - button to increase volume.

Press the VOLUME + button to decrease volume.

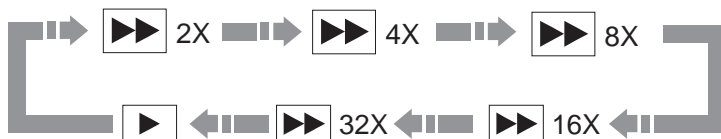
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OPERATION

Fast Playback

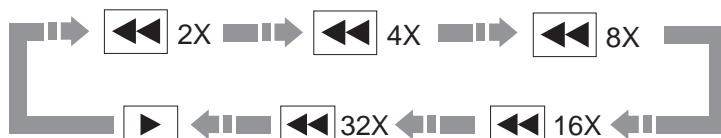
Press the FWD button and the player will start fast forward playback.

Each press of the FWD button will double the forward speed from 2X through 32X



Press the REV button and the player will start fast reverse playback.

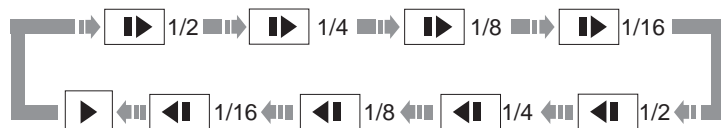
Each press of the REV button will double the reverse speed from 2X through 32X



Slow Motion Playback

Press the SLOW button and the player will start slow motion playback.

Each press of SLOW the button switches the playback speed as follows :-



Press the PLAY button to resume normal playback.

Repeat Playback

The repeat function enables a title/chapter/track/disc repeated.

Each press of the REPEAT button scrolls thorough the available options displayed on your TV screen:-

DVD disc:



MP3 disc:



Repeat a Selected Section

When playing a disc, press the A-B button to repeat playback of a certain section you desire.

Under normal playback, press the A-B button at the desired point (point A) to set the beginning.

Display on TV screen:



Under normal playback, press the A-B button at the desired point (point B) to set the ending.

Display on TV screen:



The player returns to point A automatically to repeat the selected section (A-B).

Press A-B button for the third time.

Normal playback resumes.

NOTE

- The A-B repeat function is not available on some discs

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OPERATION

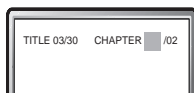
Playback from a Desired Point

This feature applies to DVD playback only.

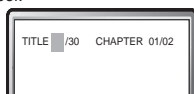
By inputting the time, title or chapter directly, content can be found quickly and playback enabled from a selected point.

Title, chapter search. For example, search Chapter 2, Title 6:

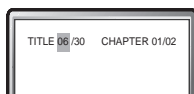
Press the GOTO button, the TV screen displays:



Press the CURSOR button to lighten the title number.



And then press the "6" button to select Title 6.



Repeat the above steps, until you select Chapter 2, Title 6.

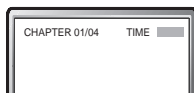
Title time search.

Press the GOTO button until the TV screen displays the following picture. Then press the NUMBER buttons to input HOUR, MINUTE and SECONDS.



Chapter time search.

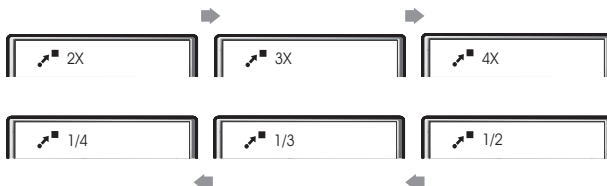
Press the GOTO button until the TV screen displays the following picture. Then press the NUMBER buttons to input HOUR, MINUTE and SECONDS.



Zooming the Displayed Frame

ZOOM IN/OUT THE FRAME BEING PLAYED

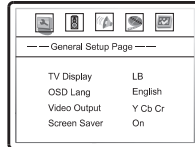
When playing a disc, press the ZOOM button repeatedly to zoom into a specific area of the the TV screen display.



Use the DIRECTION ARROWS to move around the frame.

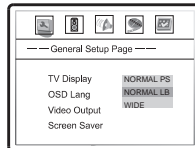
General Setup

To select the "GENERAL SETUP" menu then press the **SETUP** button.



TV Display

Press the **CURSOR** buttons to select "TV DISPLAY" and then press the cursor buttons. The TV set screen displays:



Press the **CURSOR** button to select your desired setting and then press the **SELECT** button.

Press the **SETUP** button to exit the function setup menu. You have made a successful setup.

Repeat the same basic procedure for all other menu options :

OSD Language default : ENGLISH

Video Output default : Y Cb Cr

Screen Saver Factory default : ON

Note :

The playback effects are contingent upon the disc's recording aspect ratio. Some discs may not be played according to your selected aspect ratio.

When wanting to use the RGB output from the scart socket - please select this option from within the Video Output menu - please ensure you have a fully wired scart lead and have selected the RGB input on your television.

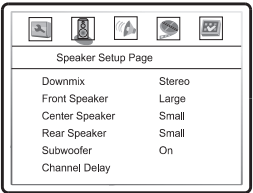
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OPERATION

Speaker Setup

To select the "Speaker Set-up" menu then press the **SETUP** button.

Select "Speaker Set-up" item in the setup menu and then press **SELECT** to enter the Speaker Page



Downmix

This allows the player to change multi-channel audio into two channel audio.

Note : The off mode needs to be supported by the disc - The number of actual output channels depends on the disc.

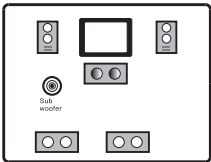
Front Speakers / Centre Speaker / Rear Speaker

Using these menus gives you the options to specify the size of the different speakers and also to turn them off

Note : Centre and Rear speaker control is not selectable unless downmix is set to OFF

Subwoofer

Using this menu gives you the option to turn ON and OFF the subwoofer signals



Channel Delay

This menu allows you to set the delay time between the Centre / Surround and Subwoofer speakers

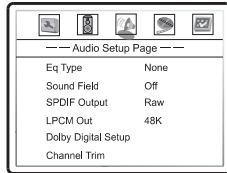
Using the UP/DOWN navigation keys to highlight the desired speaker use the **SELECT** key to enter the settings menu. Then use the LEFT/RIGHT keys to select the distance between the speaker and the listener.

Once complete press **SELECT** to exit.

Audio Setup

To select the "Audio Set-up" menu then press the **SETUP** button.

Select "Audio Setup" item in the setup menu and then press **SELECT** to enter the AudioSetup Page



EQ Type

Allows you to set the EQ effect on the audio output

Sound Field

Allows you to set the Sound Field Effect on the audio output

SPDIF Output

To set the bitstream type of the digital output, to use the built in 5.1 decoder the SPD F output should be set to RAW to enable the 5.1 output to be selected.

LPCM Out

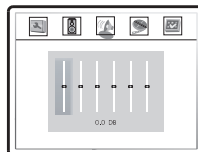
To set the output frequency of the LPCM digital audio data to suit different audio systems

Dolby Digita Setup

To set the internaldolby digital decoder settings.

Dymamic Compression

To set the linear compression ratio default to off



Channel Trim

This allows you adjust the levels that are outputted to each speaker giving you the total surround effect, please select the desired speaker and then adjust using the UP/DOWN navigation keys and press select to confirm.

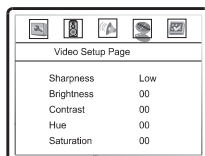
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OPERATION

Video Setup

To select the "Video Set-up" menu then press the **SETUP** button.

Select "Video Setup" item in the setup menu and then press **SELECT** to enter the Video Setup Page



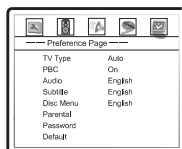
Video Setup

Allows you to set the video output levels from the player - it is recommended to keep these on default and adjust the level on your display (i.e. Your Television)

Preference Setup

To select the "Preference Set-up" menu then press the **SETUP** button.

Select "Preference Setup" item in the setup menu and then press **SELECT** to enter the Preference Setup Page



TV Type

Allows you to set the video output system of the player

Audio

Allows you to set the preferred audio language of the player.

Subtitle

Allows you to set the preferred subtitle language of the player - (default set to OFF)

Disc Menu

Allows you to set the preferred display/menu language of the player.

Parental

Allows you to set the preferred parental control settings of the player. When changing the level a password is required to be entered - the default password is **7890**.

Password

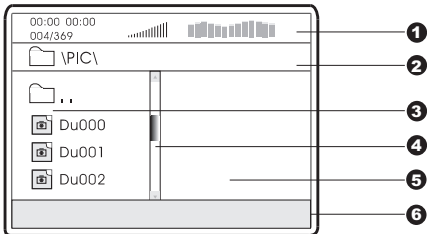
Allows you to set a new password for the player.

OPERATION

MP3 / JPEG Picture CD File Playing

MP3 utilises the third layer audio compression mode of the international standard MPEG with the compression ratio 12:1. Employing MP3, one disc can record 600-minutes music or 170 songs with sound quality almost as good as CD for everyday listening.

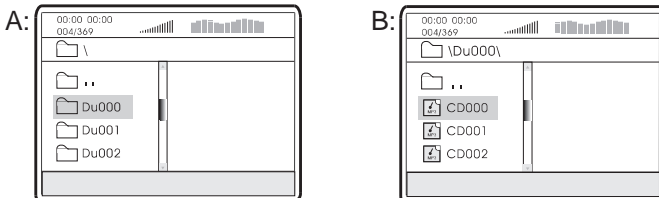
JPEG (Joint Photographic Experts Group) is the most widely used picture compression and storage format today. Utilizing the high efficiency compression calculating method, JPEG compresses the original picture 15 to 20 times with excellent picture quality.



- ❶ Status window displays the current status information.
- ❷ Directory window - displays the current path
- ❸ File Window - Displays the current path's files.
- ❹ Scroll Bar Window - Indicates the current file's position.
- ❺ Preview Window - JPEG image preview.
- ❻ Information Window - Displays the current operating prompts

Playing MP3 Files

When you insert an MP3 disc, the TV screen displays the operation menu as shown in Figure A. (The displayed contents vary with each disc).



Using the UP/DOWN cursor keys to select the desired directory. Press SELECT to confirm.

For example, you select the directory DU000 in Figure A and press SELECT as shown in Figure B.

The window returns back to the previous directory when you select [..] in the first line or press the LEFT key.

Use the UP/DOWN cursor keys. As in Figure B to select the desired MP3 file. Press SELECT to confirm. The player starts playing the MP3 songs.

50 Series

OPERATION

JPEG Picture CD File Playing

Playing JPEG Files

When you insert a disc with JPEG files, the TV screen displays the operation menu as shown in the figure. The operating means are the same as operating MP3 files except that the preview image will appear in the preview window when selecting a JPEG file.



Basic OPERATING MEANS

1. Press the PREV or NEXT button to skip to the last or next page in stop mode.
2. Press ANGLE to toggle the file playback mode and the directory playback mode.

JPEG FILES AND FUNCTIONS

When playing JPEG files, press the ZOOM button to start zooming in/out functions. Press the ZOOM button again to stop zooming in/out functions.

When the zooming in/out function is on, press the FWD button to magnify the picture. You can magnify the frame twice as much as the original one. Press the REV button to minimise the picture. You can minimise the frame half as much as the original one.

When playing JPEG files, press the STOP button to stop preview playback function. At the same time, all JPEG files are displayed on the TV screen. One frame can display up to 12 pictures. The rest of your pictures are shown on the next frame. Press the SKIP NEXT button to enter the next frame. Press the SKIP PREV button to enter the previous frame. You can also press the NUMBER buttons or DIRECTION ARROWS to select the desired picture. Press the SELECT button to confirm.

Press the MENU button to exit.

Press the DIRECTION ARROW to rotate a picture when playing JPEG files.

NOTE:

Compatibility of JPG/Photo Cd's

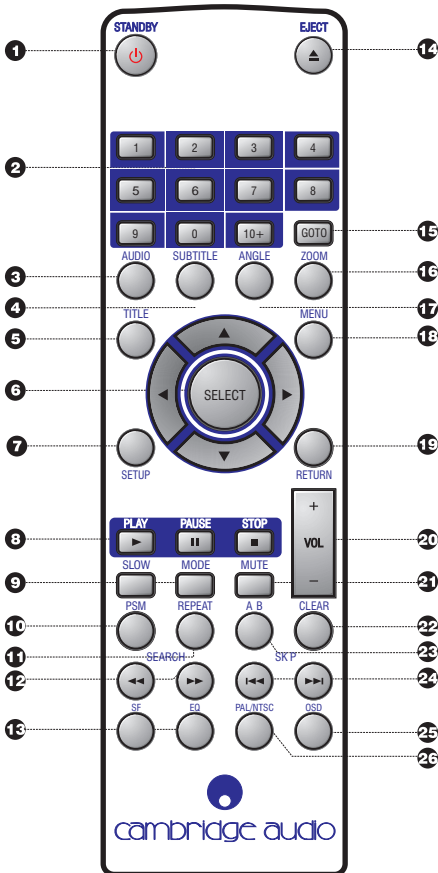
To enable the player to display the jpg files correctly please ensure that the disc used has been finalised to enable the TOC "table of contents" to be created on the disc.

New digital cameras support very high picture resolution, this player can support a maximum resolution of 1840x1232 pixels with 16.7 million Colours.

For images of higher resolution than above please convert the jpeg files using a suitable photo editing package to enable correct playback.

REMOTE CONTROL LAYOUTS

Model DVD53

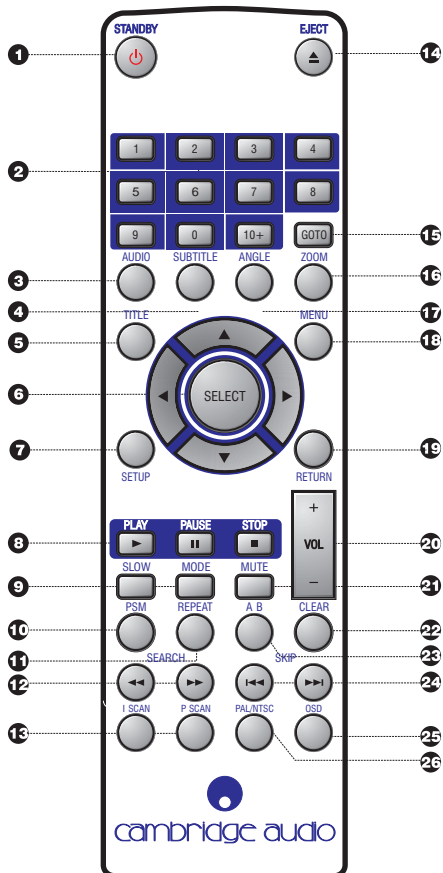


- 1 STANDBY** Button
- 2 NUMBER** Buttons
- 3 AUDIO** Button
Change the audio language or audio channel.
- 4 SUBTITLE** Button
Change subtitle languages.
- 5 TITLE** button
DVD titles.
- 6 SELECT** Button
- 7 SETUP** Button
Function setup.
- 8 PLAY** Button Normal playback.
STOP Button Stop playback.
- 9 SLOW** Button Slow play.
MODE Button Select different picture modes
- 10 PSM** Button
Power Spectrum Meter on/off.
- 11 REPEAT** Button
Repeat play.
- 12 REV** Button Fast backward play.
FWD Button Fast forward play.
- 13 SF** Button Adjusting sound field effects.
EQ Button Adjusting equalization effects.
- 14 EJECT** Button
Open or close the disc tray.
- 15 GOTO** button
Play from the desired location.
- 16 ZOOM** Button
Zoom in the displayed frame.
- 17 ANGLE** Button
Change camera angles.
- 18 MENU** Button
Display DVD menu or open/close PBC.
- 19 RETURN** Button
Back to the previous menu.
- 20 VOLUME-** Decrease volume.
VOLUME+ Increase volume.
- 21 MUTE** button
Press once to mute, twice to unmute.
- 22 CLEAR** Button
Clearing input numbers.
- 23 A-B** Button
Repeat the selected passage
- 24 PREV** Button Skip backward.
NEXT Button Skip forward.
- 25 OSD** Button
Display or hide disc information.
- 26 P/N** Button
Switch the TV system between PAL, NTSC and AUTO.

50 Series

REMOTE CONTROL LAYOUTS

Models DVD55 / 57 / 59 only

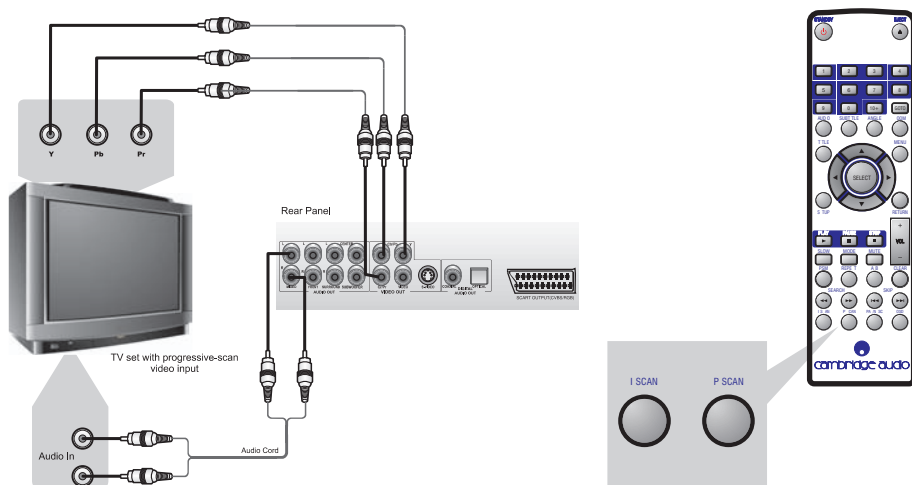


- 1** **STANDBY** Button
- 2** **NUMBER** Buttons
- 3** **AUDIO** Button
Change the audio language or audio channel.
- 4** **SUBTITLE** Button
Change subtitle languages.
- 5** **TITLE** button
DVD titles.
- 6** **SELECT** Button
- 7** **SETUP** Button
Function setup.
- 8** **PLAY** Button Normal playback.
STOP Button Stop playback.
- 9** **SLOW** Button Slow play.
MODE Button Select different picture modes
- 10** **PSM** Button
Power Spectrum Meter on/off.
- 11** **REPEAT** Button
Repeat play.
- 12** **REV** Button Fast backward play.
FWD Button Fast forward play.
- 13** **I-SCAN** Button Interlaced video playback
P-SCAN Button Progressive Scan video playback
- 14** **EJECT** Button
Open or close the disc tray.
- 15** **GOTO** button
Play from the desired location.
- 16** **ZOOM** Button
Zoom in the displayed frame.
- 17** **ANGLE** Button
Change camera angles.
- 18** **MENU** Button
Display DVD menu or open/close PBC.
- 19** **RETURN** Button
Back to the previous menu.
- 20** **VOLUME-** Decrease volume.
VOLUME+ Increase volume.
- 21** **MUTE** button
Press once to mute, twice to unmute.
- 22** **CLEAR** Button
Clearing input numbers.
- 23** **A-B** Button
Repeat the selected passage
- 24** **PREV** Button Skip backward.
NEXT Button Skip forward.
- 25** **OSD** Button
Display or hide disc information.
- 26** **P/N** Button
Switch the TV system between PAL, NTSC and AUTO.

CONNECTION TO A PROGRESSIVE SCAN TV/DISPLAY

Models DVD55 /57 59 Only

Some Televisions and monitors are equipped with component video inputs and are capable of reproducing a progressively scanned video signal. Connecting to these inputs allows you to view higher quality pictures with less flicker.



Note: If you find that you have no display but are getting sound from your speakers, you have set the DVD player into progressive scan mode. Simply press the I-scan button on your remote control.

If your progressive scan TV has Y, Pb, Pr video inputs, you can use the player's P, Pb, Pr outputs. Press the P-SCAN button to switch this player to the progressive-scan video output mode.

If this player's audio outputs are also connected to the TV, the L/R channels of MIXED AUDIO OUT should be connected to the TV's AUDIO IN terminals.

It is imperative that you use high quality component video cables to ensure the best possible performance.

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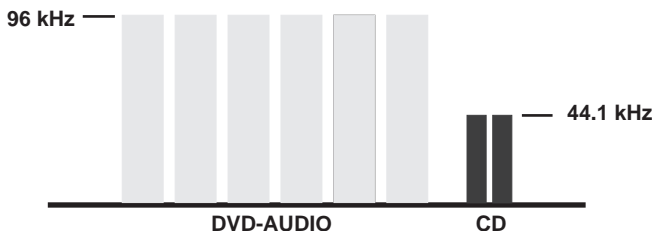
DVD-AUDIO

Model DVD57 / 59 Only

What is DVD-Audio?



Using MLP Lossless from Dolby Laboratories, DVD-Audio discs can store up to six channels of 24-bit/96 kHz audio, including a separate low-frequency bass channel. Compare that to two channels of 16-bit/44.1 kHz sound from CD's! For stereo buffs, a DVD-Audio disc can alternatively hold two channels of 24-bit/192 kHz audio, exceeding the quality of any music audio format previously available.



DVD-Audio discs can also add a visual element to your music. Discs can carry picture galleries, lyrics, notes, or any combination of still images, animation, and text. Producers and artists can even add audio commentary, similar to that found on many DVD-Video discs. And, as with DVD-Video, each DVD-Audio disc can also contain full-motion video, with accompanying Dolby Digital sound in up to 5.1 channels.

Follow the connection instructions found on page 12

Troubleshooting

- Please check for causes of problems in accordance with the following chart before contacting your dealer or any service personnel.

Symptom	Cause	Correction
No sound	Signal not properly connected. Disc warped or dirty. Player in mute status.	Connect signal securely. Clean your disc. Press MUTE button again.
No picture	Signal not properly connected. TV not set for correct system DVD55/57/59 set to progressive scan mode.	Connect signal securely. Reset the AV/TV status of your TV set Press the Interlace scan button on the remote (See page 27).
No colour	TV system not correct TV set colour not properly adjusted.	Press P/N button on the remote control to set the system. Readjust colour of your TV set.
No disc reading	No disc in the player. Disc not properly loaded. Condensation on the laser head.	Load a disc. Reload a disc, with the label side facing up. Turn on the player, unload the disc and leave it on for about one hour.
Remote control failure	Remote control not pointing to the sensor window. Remote control's operating distance more than 8 metres away from your TV set. Batteries low.	Use the remote control properly. Replace both batteries.
Temporary function failure	Faulty disc used. Wrong buttons pressed. Static leakage into the player from outside.	Wait 5-10 seconds for it to eject and replace with another disc. Operate once more. Turn off the player for 1 to 2 minutes, then turn it on again.
Picture rolling	TV set system is not properly adjusted.	Readjust system of your TV set in the menus.

50 Series

Specifications

Disc Types	DVD CD Mp3 Kodak Picture CD
Input	N/A
Output	5.1 Audio Output / Stereo Output Digital Audio Output Coaxial Output / Optical Out Jack Video Out S-Video Output Scart Output (RGB / Composite / 2 channel Audio) Component Video Output
Video Characteristics	Video Amplitude 1.0Vp-p(75Ω) S-Video Output Amplitude Y:1.0Vp-p(75Ω), C:0.286Vp-p(75Ω)
Audio Characteristics	Frequency 20Hz~20KHz(±1dB) Signal-to-noise Ratio >100dB Total harmonic distortion <0.01% Crystal DAC 24bit 192KHz
General Specifications	Power Supply 110 - 250v AC, 50/60Hz Power Consumption 20W Dimensions 420 x 266 x45 (mm) Weight 2.5kg
Operating Temperature	5℃ ~ 35℃
Operating Humidity	15 ~ 75% (no condensation)

OPERATION

Limited Warranty

CAMBRIDGE AUDIO warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below). CAMBRIDGE AUDIO will repair or replace (at CAMBRIDGE AUDIO's option) this product or any defective parts in this product. Warranty periods may vary from country to country. If in doubt consult your dealer and ensure that you retain proof of purchase

To obtain warranty service, please contact the CAMBRIDGE AUDIO authorised dealer from which you purchased this product. If your dealer is not equipped to perform the repair of your CAMBRIDGE AUDIO product, it can be returned by your dealer to CAMBRIDGE AUDIO or an authorised CAMBRIDGE AUDIO service agent. You will need to ship this product in either its original packaging or packaging affording an equal degree of protection.

Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This Warranty is invalid if (a) the factory-applied serial number has been altered or removed from this product or (b) this product was not purchased from a CAMBRIDGE AUDIO authorised dealer. You may call CAMBRIDGE AUDIO or your local country CAMBRIDGE AUDIO distributor to confirm that you have an unaltered serial number and/or you purchased from a CAMBRIDGE AUDIO authorised dealer.

This Warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than CAMBRIDGE AUDIO or a CAMBRIDGE AUDIO dealer or authorised service agent, which is authorised to do CAMBRIDGE AUDIO warranty work. Any unauthorised repairs will void this Warranty. This Warranty does not cover products sold AS IS or WITH ALL FAULTS.

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Some countries and US states do not allow the exclusion or limitation of incidental or consequential damages or implied warranties so the above exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other statutory rights, which vary from state to state or country to country.

This product complies with DHHS rules 21 CFR, Chapter 1, Subchapter J, Part 1040 at date of manufacture

Apparatus claims of US patent nos. 4,631,603; 4,577,216; 4,819,098; and 4,907,093 licensed for limited viewing only

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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 any interference received, Including interference that may cause undesired operation



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