80 Series DVD Player

DVD player

User's manual

Cambridge Audio

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INTRODUCTION

Congratulations on purchasing this Cambridge Audio 80 Series DVD player. We hope that you will enjoy many years of rewarding ownership.

The DVD85, 86 and 89 models all support normal CD and DVD discs, while the DVD89 is also a 'universal' player that supports DVD-Audio (DVD-A) and Super Audio CD (SACD). These new audiophile formats allow even greater sound quality than CD/DVD and also allow multi-channel surround-sound audio.

In addition, the DVD85, 86 and 89 all support DivX® playback for good quality highly compressed video and audio often downloaded from the internet. The DVD89 also features the very latest DVD-D and HDMI outputs for true all digital transmission of video to the TV screen for the very best picture quality currently available.

To maximise the performance from this equipment we would encourage you to use only high quality viewing equipment, amplification and loudspeakers. Of course we particularly recommend amplification from the Cambridge Audio range, which has been designed to the same exacting standards as this DVD player.

Cabling is also an area that should not be overlooked. Please do not compromise your system's performance by using poor quality cables to connect either your DVD to your television and amplifier or the amplifiers' output to your loudspeakers. A system is only as good as its weakest link. Your dealer can supply quality Cambridge Audio interconnects that will ensure your whole system realises its full potential.

Thanks for taking the time to read this manual; we do recommend you keep it for future reference.

Matthew Bramble
Technical Director

Cambridge Audio

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.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. CAMBRIDGE AUDIO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY IN THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

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.

SAFETY PRECAUTIONS

Checking the Power Supply Rating

For your own safety please read the following instructions carefully before attempting to connect this unit to the mains.

Check that the rear of your unit indicates the correct supply voltage. If your mains supply voltage is different, consult your dealer.

This unit is designed to operate only on the supply voltage and type that is indicated on the rear panel of the unit. Connecting to other power sources may damage the unit.

This equipment must be switched off when not in use and must not be used unless correctly earthed. To reduce the risk of electric shock, do not remove the unit's cover (or back). There are no user serviceable parts inside. Refer servicing to qualified service personnel. If the power cord is fitted with a moulded mains plug the unit must not be used if the plastic fuse carrier is not in place. Should you lose the fuse carrier the correct part must be reordered from your Cambridge Audio dealer.

The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated '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 instructions in the service literature relevant to this appliance.

This product complies with European Low Voltage (73/23/EEC) and Electromagnetic Compatibility (89/336/EEC) Directives when used and installed according to this instruction manual. For continued compliance only Cambridge Audio accessories should be used with this product and servicing must be referred to qualified service personnel.

The crossed-out wheeled bin is the European Union symbol for indicating separate collection for electrical and electronic equipment. This product contains electrical and electronic equipment which should be reused, recycled or recovered and should not be disposed of with unsorted regular waste. Please return the unit or contact the authorised dealer from whom you purchased this product for more information.

Plug Fitting Instructions (UK Only)

The cord supplied with this appliance is factory fitted with a 13 amp mains plug fitted with a 3 amp fuse inside. If it is necessary to change the fuse, it is important that a 3 amp 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 13 amp 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.
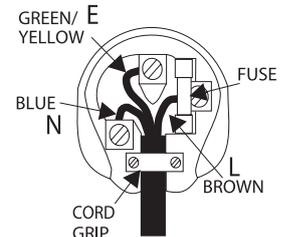
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter 'L' or coloured RED.

The wire which is coloured GREEN/YELLOW must be connected to the terminal which is marked with the letter 'E' or coloured GREEN.

If your model does not have an earth wire, then disregard this instruction.

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

IMPORTANT SAFETY INSTRUCTIONS

Please take a moment to read these notes before installing your DVD player, they will enable you to get the best performance and prolong the life of the product. We advise you follow all instructions, heed all warnings and keep the instructions for future reference.

The unit is of Class 1 construction and must be connected to a Mains socket outlet with a protective earthing connection. This unit must be installed on a sturdy, level surface.

The unit requires ventilation. Do not situate it on a rug or other soft surface and do not obstruct any air inlets or outlet grills. Do not place in a sealed area such as a bookcase or in a cabinet. Any space open at the back (such as a dedicated equipment rack) is fine however.

WARNING - To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture. This unit must not be exposed to dripping or splashing water or other liquids. No objects filled with liquid, such as vases, shall be placed on the unit. In the event, switch off immediately, disconnect from the mains supply and contact your dealer for advice.

To clean the unit, wipe its case with a dry, lint-free cloth. Do not use any cleaning fluids containing alcohol, ammonia or abrasives. Do not spray an aerosol at or near your DVD player.

Ensure that small objects do not fall through any ventilation grille. If this happens, switch off immediately, disconnect from the mains supply and contact your dealer for advice.

Do not route the power cable so that it can be walked upon or damaged by other items near it.

If you do not intend to use this unit for a long period, switch it to Standby and unplug it from the mains socket. Also unplug the unit during lightning storms.

Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as a damaged power-supply cord or plug, liquid has been spilled or objects have fallen into the unit, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.

If you have checked the Troubleshooting guide in the manual with no improvement, do not attempt to repair, disassemble or reconstruct the unit. A serious electric shock could result if this precautionary measure is ignored.

REAR PANEL CONNECTIONS
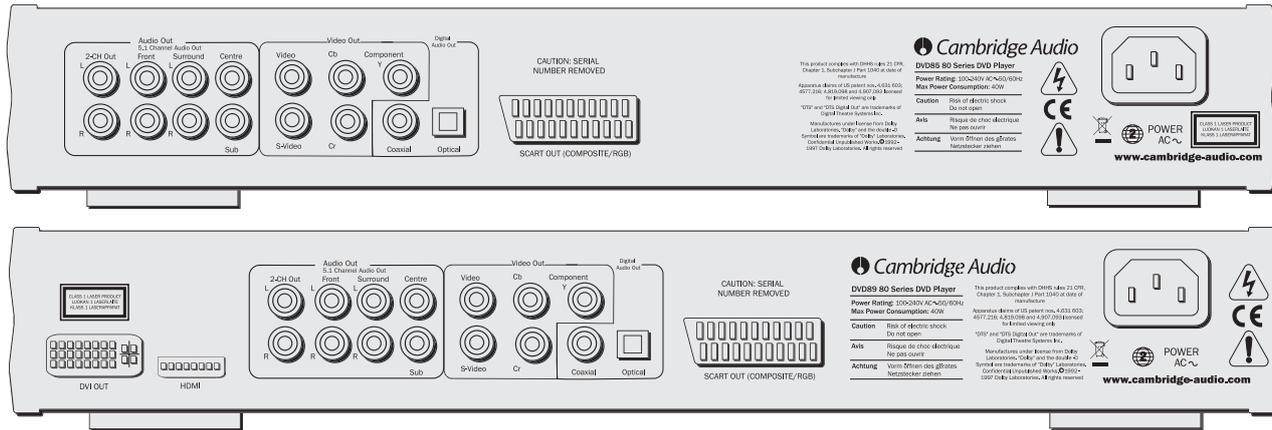
Video Connections

The DVD85 is equipped with Composite (CVBS), S-Video (SVHS), SCART (RGB and CVBS) and Component Video (YC_bC_r) connections. The DVD89 also incorprates DVI-D and HDMI Digital Video Interfaces.

Audio Connections

Digital outputs - The DVD89 also incorporates optical and a coaxial digital output. These allow for a digital soundtrack on a DVD disc to be sent to a suitably equipped AV receiver for decoding and amplification. Both outputs perform the same function- simply choose the type that best suits your needs.

Analogue outputs - Both units have a conventional stereo RCA (phono) out that outputs stereo audio for connection to a conventional stereo amplifier. Also a six channel decoded output is featured in Dolby Digital 5.1 format that enables connection to a suitable 6 channel amplifier. SACD and DVD audio disc will only output through the 5.1 analogue outs. See 'An Introduction to DVD Audio' on page 22.

Note: A DTS encoded disc will only output the DTS soundtrack through the digital outputs for external decoding.(DTS passthrough).

AC power socket

Once you have completed all connections to the amplifier, plug the AC Power Cable into an appropriate mains socket.

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Connections to a TV /Display
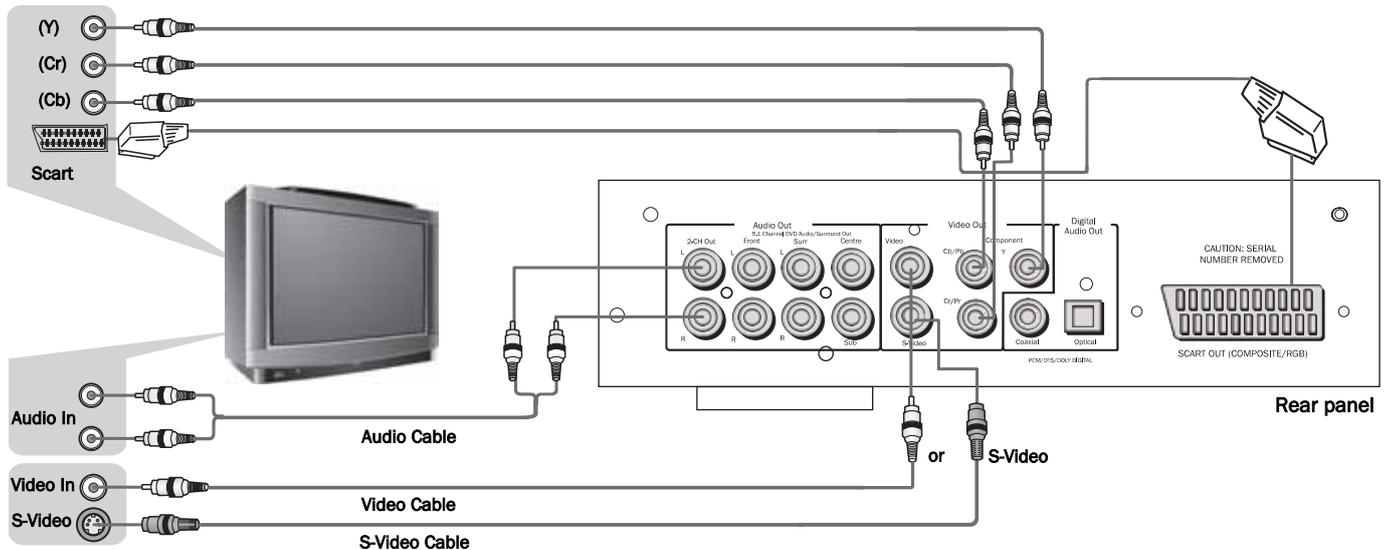
The DVD85 and 89 feature a wide range of video ouputs. You should always use the best quality connection your TV supports. In order of increasing quality you should use one of composite (CVBS), S-Video, RGB Scart, Component Video (YUV), DVI and finally HDMI.

If it is desired to connect the Audio Out of the DVD player to your TV, the '2-CH out' sockets should be connected to your TV's Audio In terminals.

Connecting to a Digital TV set with DVI-D (DVD89 only)
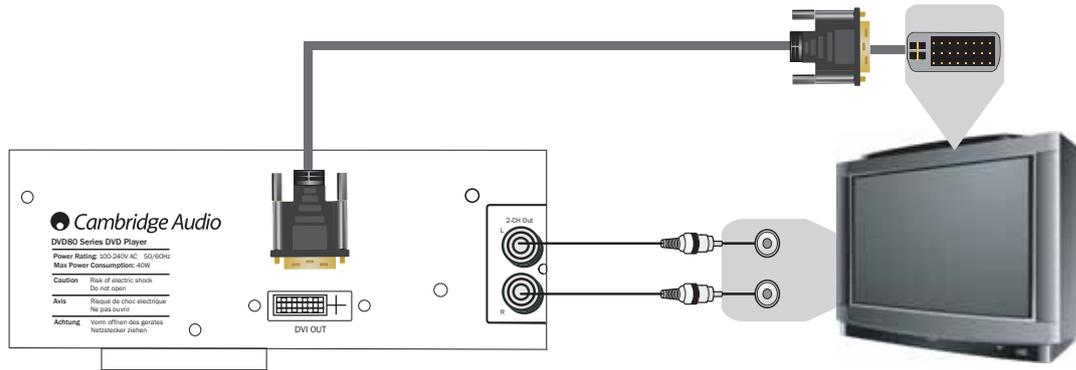
DVI-D

DVDI-D allows the transfer of the digital video signal from the DVD player to the television without the need for Digital to Analogue conversation. This reduces signal loss resulting in the purest transfer of video information.

To select the DVI-D output mode
(Press the DVI/HDMI button on the remote)

	NTSC	PAL
	Default - HDMi Off	Default - HDMi Off
Press once	480p	1. 576p
Press again	720p **> 60Hz**	2. 720p **> 50Hz**
Press again	1080i	3. 1080i

Progressive scanning is also available from Component Video Outs - NTSC & PAL. See page 19 for more information.

Note: When in analogue output mode, the general setup page is set to P-Scan.

Connecting to a Digital TV set with HDMI (DVD89 only)

HDMI

The DVD89 also features a HDMI (High-Definition Multi-media Interface) an industry-supported, uncompressed, all-digital audio/video interface.

HDMI transfers the digital audio and video signals from the DVD player to the television without the need for Digital to Analogue conversation. This reduces signal loss resulting in the purest transfer of video and audio information.
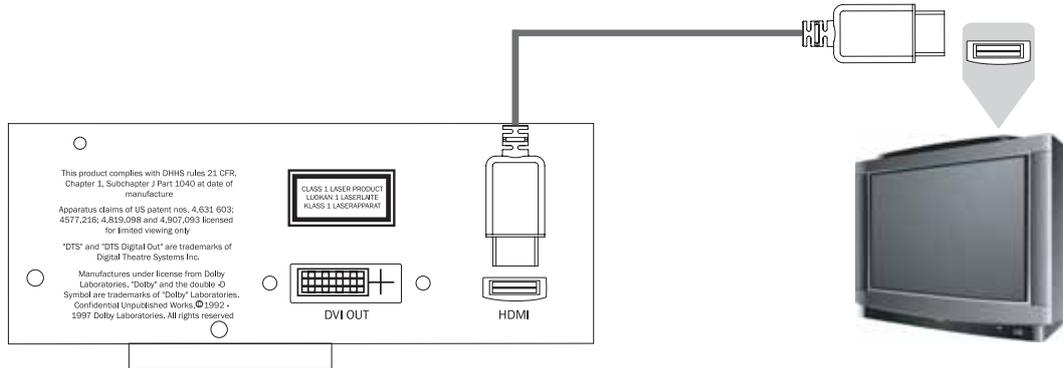
To select the HDMI output mode
(Press the DVI/HDMI button on the remote)

	NTSC	PAL
	Default - HDMi Off	Default - HDMi Off
Press once	480p	1. 576p
Press again	720p ❯ 60Hz	2. 720p ❯ 50Hz
Press again	1080i	3. 1080i

Progressive scanning is also available from Component Video Outs - NTSC & PAL. See page 19 for more information.

Note: When in analogue output mode, the general setup page is set to P-Scan.

Connection to a 2 Channel Audio System/TV

Video Cable

Audio Cable

Audio In

Video In

Audio Out
5.1 Channel DVD Audio/Surround Out
2-CH Out   Front   Surr   Centre   Video   Component   Digital Audio Out

Video Out

Cb/Pb   Y

R   R   R   Sub   S-Video   Cr/Pr   Coaxial   Optical

PCM/DTS/DOLY DIGITAL

Rear Panel

Front Left Speaker   Front Right Speaker

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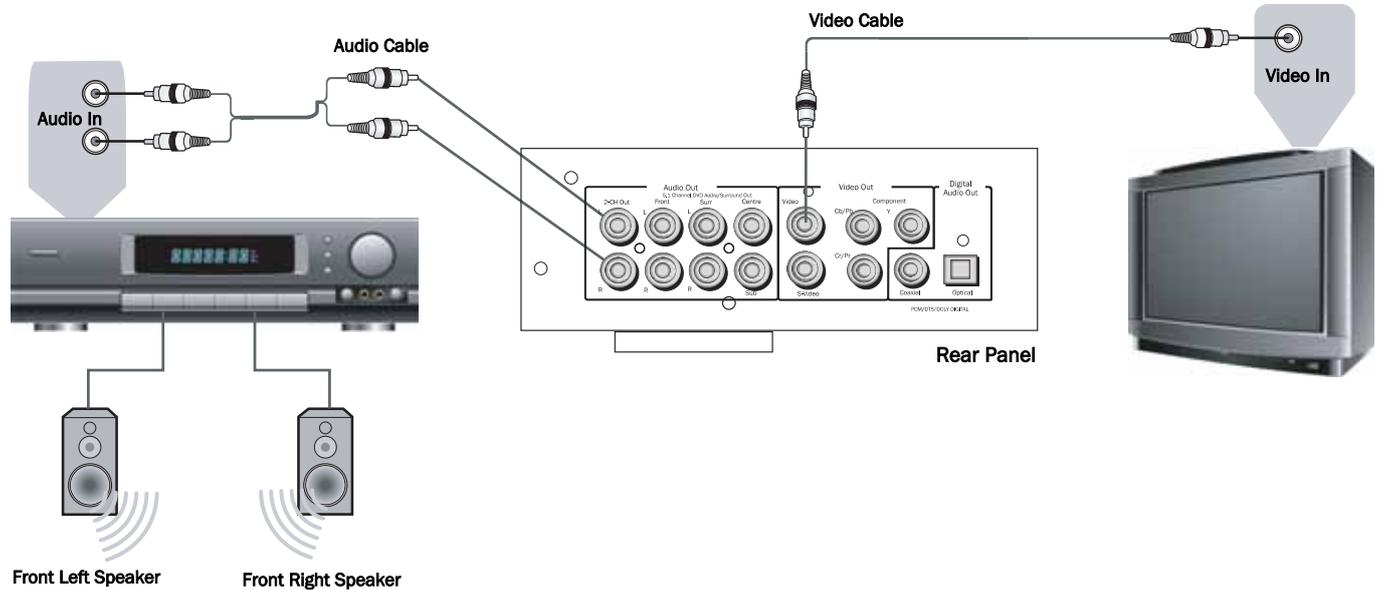
Connecting to a 5.1 Input Audio System
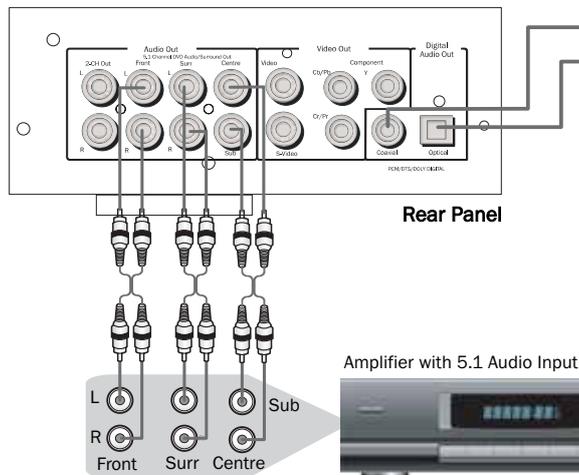
Connecting to an amplifier with Dolby Digital or DTS

Digital input connections

Coaxial in

Optical In

Rear Panel

Amplifier with 5.1 Audio Input

Front Left Speaker   Centre Speaker   Front Right Speaker

Subwoofer

Surround Left Speaker   Surround Right Speaker

L R Front   Surr   Centre   Sub
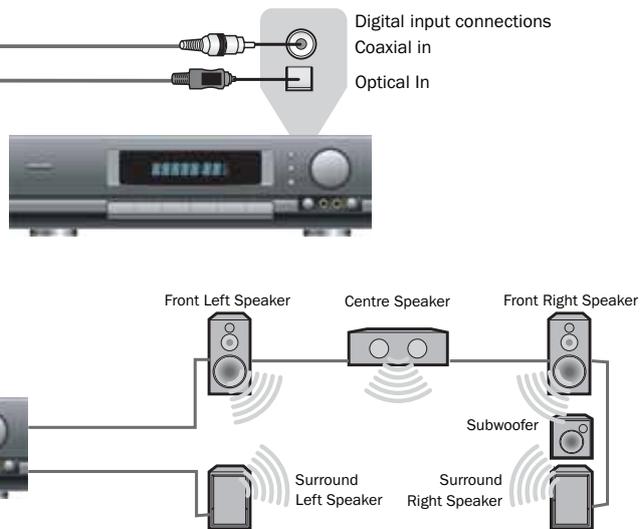
The built-in Dolby Digital decoder inside your 80 Series DVD player makes it possible to play discs recorded with Dolby Digital. This is achieved simply by connecting your player to an amplifier and an appropriate home theatre loudspeaker package

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

FRONT PANEL CONTROLS

Power On/Off

Switches the unit from Off to On.

Open/Close

Allows you to open and close the disc tray to load a disc. The disc will begin loading when the tray is closed. Pressing Play will also close the tray and start the Disc.

Play/Pause

Plays the disc and pauses play.

Stop

Stops the Disc playing. If Play is pressed shortly afterwards, the DVD will resume play in the place where it was stopped. Pressing stop twice will take you to the start of the disc. A Compact disc will stop and a message will appear on screen. Press PLAY to continue.

Skip/Scan

Allows for skipping between the chapters on the DVD disc or tracks on a CD.

Note: To perform the scan function from the player it requires the button to be held down for a few seconds and then released. Repeating this process will increase the speed of the scanning function.

OPERATING INSTRUCTIONS - DVD MENU DISPLAY

All of these menus are accessed from the blue Cambridge Logo screen that appears when the DVD player is on with no disc in the tray. Pressing the SETUP button on the remote brings up the DVD menu display. It is accessed by the cursors and select button in the centre of the remote.

When you press the setup button two options will be displayed, common and professional.

Press the common setup, to setup basic functions, or the professional setup for more advanced settings.

General Setup

TV Display: Allows you to alter between 16.9 widescreen and 4.3 conventional image.

SCART: Switches the SCART output between RGB and Composite Video. You will need a suitably equipped television to handle a component signal.

Screensaver: If the DVD is left on and inactive, it will switch to a screensaver to minimise energy consumption and screen burn. It can be switched off here.

SACD: Allows you to switch between 2 channel, multi channel and CD Mode output.

PSCAN: Allows you to switch between interlace and progressive scan outputs via the component video connections.

DVD89 Only

Spectrum: Turns On/Off the on-screen 13 bar EQ display.

Analogue Output Mode: Switches between interlaced or progressive video scanning.

Speaker Set Up

Downmix: Switches off the surround soundtrack (5.1 analogue output section) and outputs a stereo signal from the 2 channel Left and Right Outputs.

Front, Centre and Rear Speaker Settings: adjusts the DVD decoder to compensate between large and small speakers and the size of the signal it sends to the subwoofer.

Subwoofer Off/On: Informs the player if a subwoofer is present. If it is present the low frequencies are split off and sent to the subwoofer, if not the complete audio spectrum will be heard through the front channel.

Channel Delay: Allows the distance between the listening position and the centre, subwoofer, rear left and rear right speakers to be individually set (in cm). This is to enable the surround sound to be optimised for different listening room sizes and shapes.

Audio Setup Page

EQ: Adjusts the final effect of the stereo output with a number of optional presets.

Soundfield: Adjusts the final effect of the decoder output with a number of surround effects presets.

SPDIF output: Switches the digital audio section of the decoder/output between bitstream (Raw) and uncompressed stereo digital out (PCM). The bitstream (Raw) must be selected to enable surround sound (Dolby digital/DTS) to be sent to an external decoder via the audio digital output (coaxial or optical). If only a stereo speaker system is to be used then it is only necessary to set this option to PCM, then only two channels of information are decoded and sent to the stereo audio outputs (and the coax/optical digital audio output).

LPCM Out: This sets the maximum data rate for the digital audio output (not the actual data rate from source) for connection to an external decoding amplifier. The internal decoder will downsample if the recorded material has a higher audio data rate although it will not upsample if the recorded material has a lower audio data rate.

Dolby Digital setup/Dynamic: This allows the adjustment of the Dynamic compression applied to the audio. This can be useful when listening to action films (large dynamic range between talking and explosions) late at night. When set to maximum this will force the quiet and loud parts of the signal to a similar level.

Channel Trim: Allows adjustment of the decoder levels for each individual channel in turn to optimise audio setup.

Note: When a film is playing it is not possible to access the setup menu unless the stop button is pressed twice (clearing the film position altogether).

Video Setup Page

The various settings on this screen are all concerned with fine tuning your DVD picture. You can adjust settings here whilst leaving the television settings as they are.

Preference Page

TV Type: the DVD player can be set for either a European PAL television or an NTSC unit. Alternatively AUTO will allow the DVD to adjust automatically, following the TV format of the DVD disc.

Audio Setting: Setting a particular language here will mean the DVD will automatically look for that language on any DVD inserted into the machine.

Subtitle: Setting a particular language here means that the DVD will look for this particular language. Setting it to the same as the Audio setting will cancel the subtitles out.

Disc Menu: This allows adjustment of the Scene selection/Special features menu where permissible by the disc.

Parental: Adjusting this blocks films above a set classification level (ie PG13) from playing on the player if children are using it, if you wish.

Password: This is how to alter the above settings. The password default is **7890** and can be changed by correctly entering the default followed by your new password.

Default: This can restore all of the original factory settings if required.

OPERATING INSTRUCTIONS

Loading and unloading discs

1. Press the Power switch.

2. Press the Open/Close button.

3. When the disc tray has opened fully, place a disc carefully in the tray with the label side facing up.

4. To close the disc tray, press the OPEN/CLOSE button again. When the tray with a correctly loaded disc is fully closed, the disc will start turning automatically. After the DVD player has read the disc it will start to play. Pressing PLAY will also close the tray and start playing the disc.

5. The disc tray can be opened at any time by pressing the OPEN/CLOSE button. Only remove the disc after the tray has fully opened.

Note:

Do not put anything except a DVD/CD sized disc into the tray, foreign objects may damage the mechanism.

Do not force the tray by hand during the opening and closing operations.

To avoid dirt and dust entering the mechanism, keep the disc tray closed.

If the Disc is seriously scratched or too dirty the player may not be able to read it or play it.

Never load more than one disc into the disc tray at one time.

Normal disc play

1. Switch on your television and if you have an amplifier, set its input selector to the correct position and reduce the volume control to a minimum.

2. Press the Power switch. Most televisions will automatically switch to the channel/input that the DVD is connected to.

3. Press the Open/Close button to open the disc tray, and load a disc.

4. Press the Open/Close button again to close the tray. The DVD player will read the disc and begin to load. Alternatively, pressing Play will close the tray and start playing the disc.
   Note: CD's will automatically play.

5. The DVD disc should load to the opening menu (where scene selection, sound/special features can be accessed). Some discs will begin playing the film but can be returned to the menu by pressing the Menu button.

6. To stop the disc at any point, press the Stop button. Pressing the Play button on the front of the DVD player while the disc is playing will pause the disc. Pressing play on the remote will have no effect as there is a separate pause button. When the disc is paused the pause icon appears on screen, play can be resumed by pressing the PLAY button again.

When the DVD has finished playing, it will cycle back to the start menu, a CD will return to standby mode. If the REPEAT button has been pressed, the DVD player will start the film or CD again.

Locating a specific point in the DVD

Start the disc as mentioned in the previous chapter. It is often possible to locate the point that you wish to view through the Chapter/Scene Selection on the disc menu that is navigated by the cursor keys. These chapters can be accessed by the skip buttons on the remote or on the front panel of the player.

It is also possible to search within the chapter using the Search buttons on the remote control handset. Pressing the Search button repeatedly will speed the playback up from x2 through x32 speed. This can also be done in reverse.

```
        >> x2 ───── >> x4 ───── >> x8
    ▲                                      ▼
        <  ─── << x32 ─── << x16
```
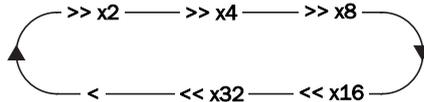
Repeating DVD discs and tracks

1. Ensure that the disc is playing.

2. Each press of the REPEAT button scrolls through the available options displayed on your TV screen.

```
        Repeat chapter ───── Repeat title
    ▲                                          ▼
        Repeat off ───── Repeat all
```
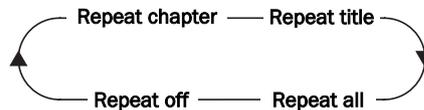
Repeating CD discs and tracks

1. Ensure that the disc is playing.

2. Each press of the REPEAT button scrolls through the available options displayed on your TV screen.

```
        Repeat track ───── Repeat all
    ▲                                      ▼
        Repeat off
```
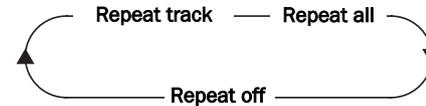
It is also possible to repeat a favourite point of a CD/DVD disc by using the A-B function. Pressing the button once "marks" the beginning of the section you wish to repeat, pressing it again "marks" the end. The player will now repeat this section of the disc.

Note: This function is unavailable on certain discs.

Zoom

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

```
        x2 ── x3 ── x4 ── x1/2
    ▲                              ▼
        x1 ── x1/4 ── x1/3
```

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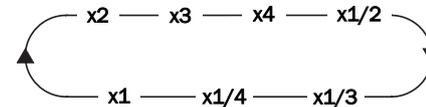
MPEG4 Playback

The MPEG4 is the standard publicised by MPEG4 (Moving Picture Experts Group). MPEG4 allows video and audio to be compressed to a fraction of its original size.

With a scalable bitstream, it can be adapted to dynamically varying requirements.

PC-created disc compatibility: Discs created using a computer may not be playable in this unit due to the setting of the application software used to create the disc. In these particular instances, check with the software publisher for more detailed information.

Discs recorded in packet write mode (UDF format) are not compatible with this player. Check the DVD-R/RW or CD-R/RW software disc boxes for additional compatibility information.

Note: DivX version is still upgrading continuously and the latest version of this unit is DivX 5.1. Some discs labelled with MPEG4 on the market actually are*.rm/*.ram/*.rmm and others which are incompatible. Please take care when buying discs.
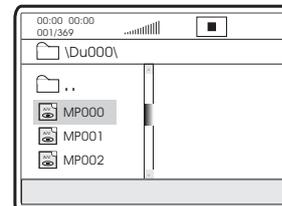
Playing MPEG4 Files

When you insert a MPEG4 disc, the TV screen displays the operation menu as shown in Figure A (the displayed contents vary with the disc.)

A:

B:

Press UP/DOWN arrows to select the desired directory. Press SELECT for verification. For example, you select the directory DU000 in Figure A and press SELECT as shown in Figure B.

The window returns back to the Press UP/DOWN arrows to select the desired directory. Press SELECT for verification. 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 LEFT arrow.

Press UP/DOWN arrows in Figure B to select the desired MPEG4 file. Press SELECT for verification. The player will then play the MPEG4 files.

CONNECTION TO A PROGRESSIVE SCAN TV/DISPLAY

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.

To enable progressive scan via the component output please refer to page 13 under general setup to explain how to access this in the menu.

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

Note: TV set with progressive-scan video input
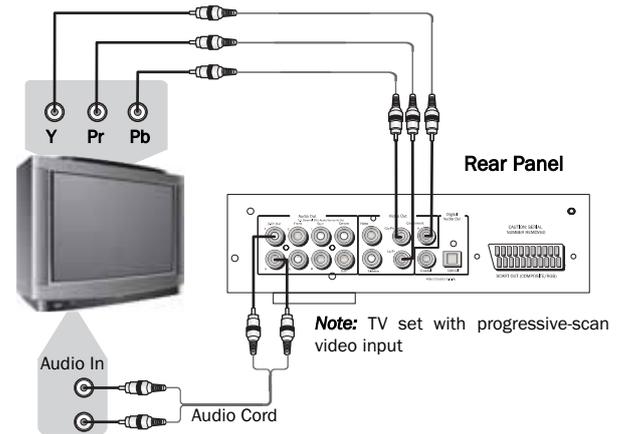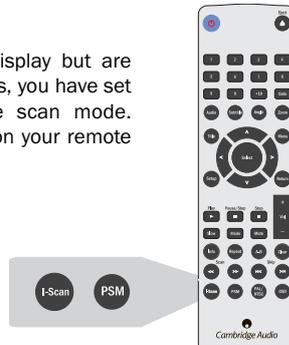
If your progressive scan TV has Y, Pb Pr video inputs you can use the players Y, Cb/Pb, Cr/Pr outputs . Press the P-Scan button to switch the player to the progressive scan video output mode.

If this player's audio outputs are also connected to the TV, the L/R channels of 2-CH 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.

DISPLAY SETTINGS

Screen sizes and disc formats

DVD-Video discs come in several different screen aspect ratios, ranging from TV programs, which are generally 4:3, to CinemaScope widescreen movies, with an aspect ratio of up to about 7:3. Televisions, too, come in different aspect ratios; 'standard' 4:3 and widescreen 16:9.

Widescreen TV users

If you have a widescreen TV, the TV Screen setting of this player should be set to 16:9 (Wide)

When you watch discs recorded in 4:3 format, you can use the TV controls to select how the picture is presented. Your TV may offer various zoom and stretch options; see the instructions that came with your TV for details.

Please note that some movie aspect ratios are wider than 16:9, so even though you have a widescreen TV, these discs will still play in a 'letter box' style with black bars at the top and bottom of the screen.

Standard TV users

If you have a standard TV, the TV Screen setting of this player should be set to 4:3 (Letter Box) or 4:3 (Pan&Scan) depending on which you prefer.

Set to 4:3 (Letter Box) widescreen discs are shown with black bars top and bottom.
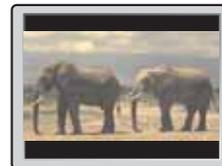
Set to 4:3 (Pan&Scan) widescreen discs are shown with the left and right sides cropped. Although the picture looks larger, you don't actually see the whole picture.

Please note that many widescreen discs override the player's settings so that the disc is shown in letter box format regardless of the setting.

OPERATIONS

Info menu

Pressing the info button brings up the menu shown below:

Note: This display may vary due to the formatting and programming of your DVD disc.

MENU	
Video Type	NTSC
Video Scale	4:3
Title	01/01
Chapter	04/05

BITRATE 85 |||||||||| TITLE ELAPSED: 0:01:25

This enables you to conveniently perform several DVD disc functions of title, chapter, sound, subtitle, angle, title time, chapter time, repeat play and time display. Use the navigation and select keys on the remote control to navigate through the menu.

Pressing the info button again takes you back to full screen video.

CD Mode (DVD89 Only)

Pressing the CD Mode button on the remote control turns off any connected display device. This function is designed to reduce "screen burn" when playing audio only discs.

Pressing the CD Mode button again turns on any connected display device.

Note: Only when a CD is played.

Problems using DVI and HDMI

To ensure this connection works correctly please ensure:

• That the DVI connection is DVI-D to DVI-D

• That your screen supports HDCP (High-Definition Copy Protection).

• That your screen is capable of displaying the resolution being output by the DVD Player.

Note: Cables which run over 5m may cause sync or grounding issues.

DVD AUDIO

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.

96 kHz ———

—— 44.1 kHz

DVD-AUDIO   **CD**
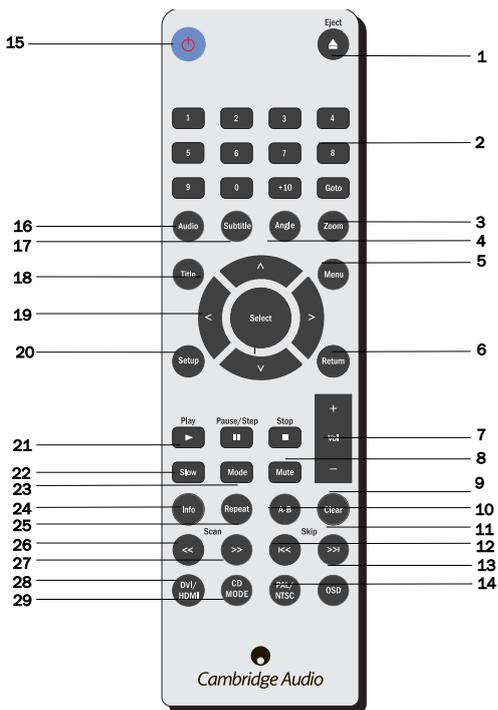
USING THE REMOTE (DVD85)

When you have unpacked your remote handset, insert the supplied AAA batteries to activate it. The remote can control all of the standard playback options but is also important in setting up your DVD player as many of the menus are most easily accessed from the remote.
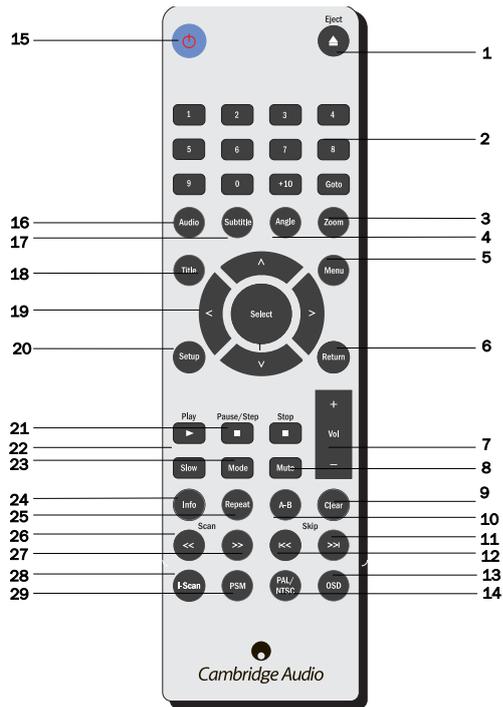
1. Eject	11. Skip Fwd	21. Play/Stop/Pause
2. Number buttons	12. Skip Back	22. Slow
3. Zoom	13. OSD	23. Mode
4. Angle	14. PAL/NTSC	24. Info
5. Menu	15. Standby	25. Repeat
6. Return	16. Audio	26. Scan Prev
7. Volume	17. Subtitle	27. Scan Rev
8. Mute	18. Title	28. I-Scan
9. Clear	19. Select	29. PSM
10. A-B Button	20. Setup	

Keep in mind the following when using the remote control:

• Make sure that there are no obstacles between the remote and the remote sensor on the unit.

• The remote has a range of about 7m.

• Remote operation may become unreliable if strong sunlight or fluorescent light is shining on the unit's remote sensor.

• Remote controllers for different devices can interfere with each other. Avoid using remotes for other equipment located close to this unit.

• Replace the batteries when you notice a fall off in the operating range of the remote.

USING THE REMOTE (DVD89)

When you have unpacked your remote handset, insert the supplied AAA batteries to activate it. The remote can control all of the standard playback options but is also important in setting up your DVD player as many of the menus are most easily accessed from the remote.

1. Eject	11. Skip Fwd	21. Play/Stop/Pause
2. Number buttons	12. Skip Back	22. Slow
3. Zoom	13. OSD	23. Mode
4. Angle	14. PAL/NTSC	24. Info
5. Menu	15. Standby	25. Repeat
6. Return	16. Audio	26. Scan Prev
7. Volume	17. Subtitle	27. Scan Rev
8. Mute	18. Title	28. DVI/HDMI
9. Clear	19. Select	29. CD MODE
10. A-B Button	20. Setup	

Keep in mind the following when using the remote control:

• Make sure that there are no obstacles between the remote and the remote sensor on the unit.

• The remote has a range of about 7m.

• Remote operation may become unreliable if strong sunlight or fluorescent light is shining on the unit's remote sensor.

• Remote controllers for different devices can interfere with each other. Avoid using remotes for other equipment located close to this unit.

• Replace the batteries when you notice a fall off in the operating range of the remote.

TROUBLESHOOTING

There is no power
Ensure the AC power cord is connected securely.
Ensure the plug is fully inserted into the wall socket and is switched on.
Check fuse in the mains plug or adaptor.

The player will not read the disc
Check the disc is not loaded upside down.
Check that the disc is not too scratched or dirty.

There is no sound
Ensure that the amplifier is set correctly.
Check that the interconnects are inserted correctly.

The disc is skipping
Check that the disc is not too scratched or dirty.
Ensure the player is on a firm surface and not subject to vibrations.

There is a hum coming from the speaker
Ensure that all cable connections are secure.

The remote handset will not function
Check that the batteries have not expired.
Ensure that nothing is blocking the remote sensor.

There is no image, but sound
You have set the DVD player to progressive scan mode. Simply press the I-Scan button.
Press CD Mode button.

Note: Static electricity or other external influences may cause malfunctioning of this unit. In this case, unplug the power cord and then plug back in. This will usually reset the unit for proper operation.

Cambridge Audio

SPECIFICATIONS

Disc types	DVD, DVD-A, DVD-V, CD-RW, CD-R, CD-DA, DIVX, SACD
Audio formats	5.1 and stereo downmix LPCM 16 bit 44.1kHz Dolby Digital 5.1 24 bit 96kHz DTS output (digital audio out only) DVD audio 2 channel 24 bit 192kHz DVD audio 5.1 (MLP) 24 bit 96kHz
Video	Composite Video (CVBS) S-Video (SVHS) RGB DVI-D & HDMI Component (YC_bC_r) PAL/NTSC Interlaced/Progressive scan
THD (unweighed)	< 0.01%
Dynamic Range	>100dB
Frequency response	20Hz - 20kHz
Video amplitude	1.0V pk-pk (75 ohms)
S-Video amplitude	Y: 1.0V pk-pk n (75 ohms) C: 0.286V pk-pk (75 ohms)
Power supply	100-240V AC∿50/60Hz
Max power consumption	40W
Dimensions (mm) (H x W x D)	55 x 430 x 263
Weight (kg)	2.56 kg

Note: Not all features applicable to all models.

The DivX standard is continuously being upgraded, this unit supports the latest version DivX 5.1.

Some discs labelled MPEG4 on the market are actually *.rm/*.ram/*.rmm (incompatible formats) . Pleases take care when buying discs.

Functions on some discs may not work on this unit. This is not a malfunction of the player.

Cambridge Audio's policy is one of continuous improvement. Design and specifications are therefore subject to change without prior notice.

Cambridge Audio

80 Series DVD Player

www.cambridge-audio.com