

# CD5

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Compact disc player

User's manual



*Cambridge Audio*

## INTRODUCTION

**Thank you for purchasing this Cambridge Audio CD player. This model is part of our commitment to the on-going development of the Cambridge Audio range. We hope that you will appreciate the results and enjoy many years of listening pleasure from them.**

As with previous Cambridge Audio CD players, the CD5 makes use of a custom Cambridge Audio servo solution and transport, at the heart of which is a VLSI (Very Large Scale Integration) circuit which dynamically adjusts in real time the focusing, tracking and output level of the laser for the maximum retrieval of digital information. To ensure the very best performance there are also multiple separate power supplies for the D/A converter circuitry, audio filters, clocks and other stages, as well as extensive use of low impedance film capacitors.

The CD5 CD player also now features MP3 playback and allows navigation of MP3 folders on the disc directly from the remote control and front panel.

Your CD player can only be as good as the system it is connected to. Please do not compromise on your amplifier, speakers or cabling. Naturally we particularly recommend amplification from the Cambridge Audio range, which have been designed to the same exacting standards as our CD players. Your dealer can also supply excellent quality Cambridge Audio interconnects to ensure your 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

# 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)

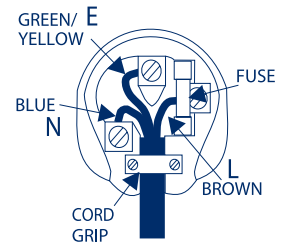
The cord supplied with this appliance is factory fitted with a 13 amp mains plug fitted with a 3 amp fuse inside. If it is necessary to change the fuse, it is important that a 3 amp one is used. If the plug needs to be changed because it is not suitable for your socket, or becomes cut damaged, it should 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 CD 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.

Only use the specified attachments/accessories with this unit.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

The unit must be installed in a manner that makes disconnection of the mains plug from the mains socket outlet (or appliance connector from the rear of the unit) possible. Where the mains plug is used as the disconnect device, the disconnect device shall remain readily operable. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the unit.

This unit must be installed on a sturdy, level surface. 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. When a cart is used, use caution when moving the cart to avoid injury from tip-over.



The unit requires ventilation. Do not situate it on a rug or other soft surface and do not obstruct any air inlets or outlet grilles.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

**WARNING** - To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture. This unit must not be used near or 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.

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.

To turn the unit off completely switch off on the rear panel. If you do not intend to use this unit for a long period of time, unplug it from the mains socket. Unplug this unit during lightning storms.

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 CD player.

This unit is not user serviceable, never attempt to repair, disassemble or reconstruct the unit if there seems to be a problem. Servicing is required when the unit has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into it, the unit has been exposed to rain or moisture, does not operate normally or has been dropped. A serious electric shock could result if this precautionary measure is ignored.

## Important Note



This unit has been designed to play compact discs, recordable CDs (CD-R) and re-writable CDs (CD-RW) bearing the identification logo shown here. No other discs can be used. The CD-R/CD-RW discs should contain properly recorded TOC (Table of Contents) information so that they can be played back. This unit can play only the discs recorded in the CD-DA format designed for music reproduction. Do not attempt to play a disc on this unit containing other data, such as a CD-ROM for PCs.

# REAR PANEL CONNECTIONS



## ① Line output

Use good quality interconnect cables from these sockets to any line level input on your amplifier.

## ② AC power socket

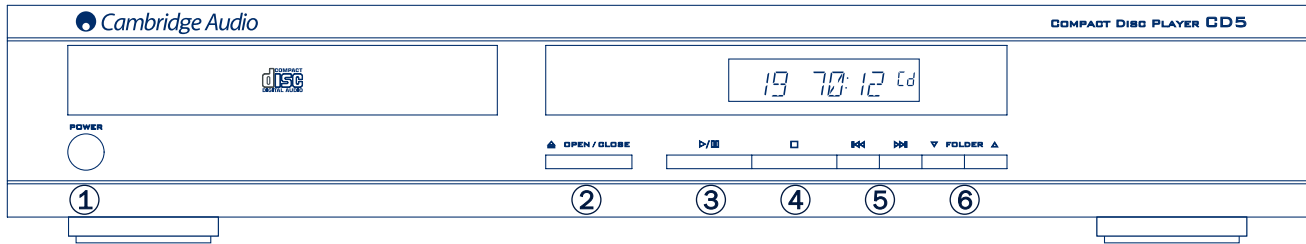
Once you have completed all connections to the amplifier, plug the AC power cable into an appropriate mains socket. Your compact disc player is now ready for use.

## ③ Toslink optical digital output

Use to connect to the input of a separate DAC or digital recording machine. Use a high quality TOSLINK fibre optic interconnect cable designed specifically for audio use.

**Note:** MP3 playback is not supported through the digital output. Please connect using the Line output.

# FRONT PANEL CONTROLS



## ① Power

Switches the unit between On and Off.

## ② Open/Close

Allows you to open and close the disc tray thus making it possible to load a disc. Pressing *Play* will also close the tray and start the CD.

## ③ Play/Pause

Plays the disc and pauses play.

## ④ Stop

Stops the CD playing.

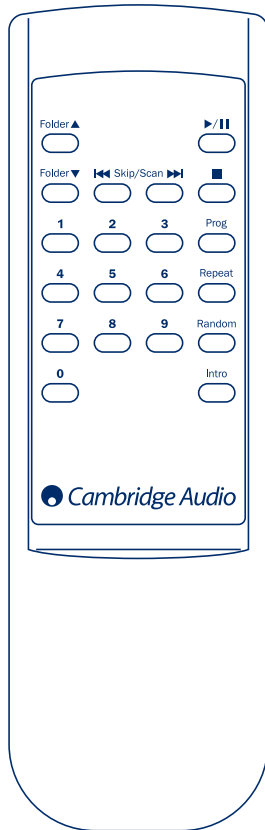
## ⑤ Skip/Scan

Allows for skipping between tracks and also searching within tracks. Press once to skip a track, press and hold to search within a track.

## ⑥ Folder

Press to skip forward or backward to locate a desired MP3 folder on the CD.

# REMOTE CONTROL



Insert the supplied AA batteries to activate.

## Play/Pause

Press to play or pause the CD.

## Stop

Press to stop the CD.

## Skip/Scan

Right - press once to skip forward by one track on the CD. Press and hold to scan forwards through tracks.

Left - press once to skip backward by one track on the CD. Press and hold to scan backwards through tracks.

## Folder

Press to skip forward or backward to locate a desired MP3 folder on the CD.

## Program, Repeat, Random, Intro

Refer to the 'Operating instructions' section of this manual for more information.

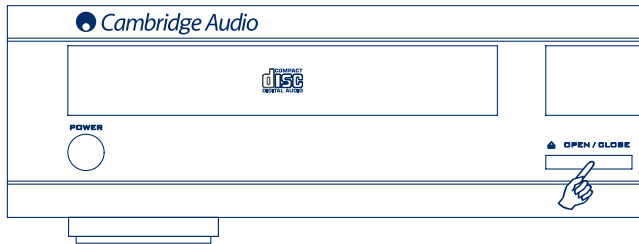
## Numerical track select

Press the number of the desired track. The track will then be played from the start of the track. To select a track number greater than ten, press the first number followed by the second number.

# OPERATING INSTRUCTIONS

## Loading and unloading discs

1. Press the *Power* button.
2. Press the *Open/Close* button. "OPEN" will appear on the display.



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. "CD READ" will appear on the display. After the CD player has read the disc it will be ready to play. Pressing *Play/Pause* 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.

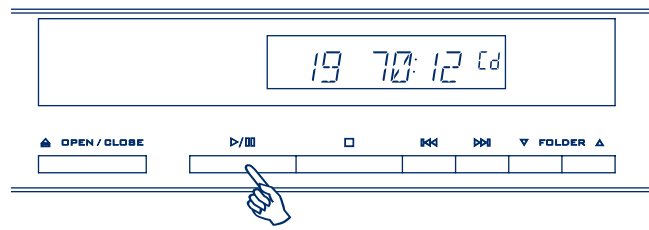
## Note:

- Do not put anything except a Compact 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 Compact 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 amplifier and set its input selector to the correct position. Adjust the volume control to a minimum.
2. Press the *Power* button.
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 CD player will read the disc and enter Standby mode. Alternatively pressing *Play/Pause* will close the tray and start playing the disc.
5. Press the *Play/Pause* button. The disc will start playing from the beginning of the first track. When the last track has finished playing, the CD player will return to Standby mode.



6. To stop the disc at any point press the *Stop* button. Pressing the *Play/Pause* button while the disc is playing will pause the disc. When the disc is paused the display will flash, play can be resumed by pressing the *Play/Pause* button again.

## MP3 disc play

1. Insert an MP3 disc as normal.
2. The display will show the total number of tracks and folders respectively when a MP3 disc is loaded.
3. Press the *Folder* buttons to skip forward or backward to locate a desired MP3 folder on the CD.



4. Press *Play/Pause* to play the CD. The display will show the track number and the elapsed time of the track being played.

## Locating a specific track

1. Ensure that a disc is loaded.
2. Pressing the right *Skip/Scan* button once will forward the CD by one track. Repeat as necessary.
3. Press *Play/Pause*. The disc will play to the end of the disc and then return to Standby mode.
4. Pressing the left *Skip/Scan* button will access the previous track.

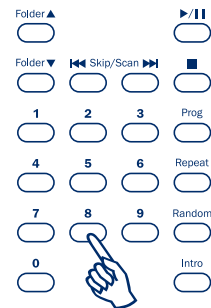
## Locating a particular point in a track

1. Ensure that the disc is playing the desired track.
2. Press and hold the right *Skip/Scan* button, the CD will then fast forward within the track.
3. Release the button when the desired time has been reached. Play will resume.
4. Press and hold the left *Skip/Scan* button, the CD will then rewind within the track.

## Using numerical keys

You can use the numerical keys on your supplied remote handset to choose tracks.

1. Ensure that a disc is loaded. The player can be in standby mode or playing.
2. Simply press the number of the desired track and the player will play the disc from the start of that track.
3. If the track number required is greater than ten, press the first number followed by the second number.



## CD repeat playback



## Repeating discs and tracks

1. Ensure that the disc is playing.
2. To repeat a specific track press *Repeat* while the track is playing. "REPEAT" will appear on the display and the selected track will now be repeated until the function is turned off.
3. Press the *Repeat* button twice on the remote control. "REPEAT ALL" will appear on the display. The whole disc will now be repeated until the function is turned off.
4. Press *Repeat* again to turn off the Repeat function.

## MP3 disc repeat playback



## Repeating MP3s

1. Ensure that the disc is playing.
2. Press the *Repeat* button on the remote control three times. "REPEAT ALBUM" will appear on the display. All the tracks in the MP3 folder will now be repeated until the function is turned off.
3. Press *Repeat* again to turn off the Repeat function.

## Playing tracks in a random order

1. Ensure that a disc is loaded.
2. Press the *Random* button on the remote control. "RANDOM" will appear on the display.
3. Press *Play/Pause*. The CD Player will now play the entire disc in a random order.
4. Press *Random* to exit Random function. The disc will continue playing to the end in the correct order.
5. Press the *Stop* button at any time to stop the disc.

## Using the Intro function

1. Ensure that a disc is loaded.
2. Press *Intro* on the remote control. "INTRO" will appear on the display. If the disc is not playing the CD player will automatically play the first ten seconds of each track. If a disc is being played when *Intro* is pressed the player will progress to the next track and play the first ten seconds of any remaining tracks.
3. Press *Intro* again at any time to enter normal play mode.

## Programming disc play

1. Ensure that a disc is loaded and the player is in Standby mode.
2. Press *Program* on the remote control. The Program set-up will appear in the display.
3. Using the *Skip/Scan* buttons, skip to the track number that you want to program as your first track (or press the actual track number on the remote).
4. Press *Program*. The desired track is now entered and the program number increases by one.
5. Repeat steps three and four until all your desired tracks are entered.
6. Press *Play/Pause*. The programmed tracks will play.
7. You can use the *Skip/Scan* functions on your remote control to move through your programmed selection in the same way as normal playback.
8. Pressing *Stop* once will stop play and pressing *Stop* twice at any time will wipe the program and return the player to stopped mode.

## TECHNICAL SPECIFICATIONS

<b>Voltage AC</b>	As specified on rear panel
<b>Consumption</b>	As specified on rear panel
<b>Frequency</b>	10Hz-20kHz (-0.5dB)
<b>Signal to Noise ratio</b>	> 110dB
<b>Dynamic range</b>	> 94dB
<b>Total harmonic distortion</b>	< 0.03% @ 1kHz
<b>Audio output level</b>	1.1V RMS
<b>Channel separation</b>	> 95dB
<b>Jitter</b>	Better than 250pS (weighted)
<b>Dimensions - H x W x D</b>	80 x 430 x 300mm
<b>Weight</b>	4.0kg (8.8lbs)

## 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.

## 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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This guide is designed to make installing and using this product as easy as possible. Information in this document has been carefully checked for accuracy at the time of printing; however, Cambridge Audio's policy is one of continuous improvement, therefore design and specifications are subject to change without prior notice. If you notice any errors please feel free to email us at: [support@cambridgeaudio.com](mailto:support@cambridgeaudio.com)

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**CD5 v3.0**



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