

PLEASE NOTE: ALWAYS CLOSE THE CD TRAY (1) WITH THE UNIT SWITCHED ON. PUSHING THE TRAY CLOSED WITH THE POWER OFF MAY LEAD TO DAMAGE DURING SUBSEQUENT TRANSPORTATION.

Power from Mains

The Mains ON/OFF switch is located on the side panel. When ON, the power indicator (1) on the front panel will illuminate.

Amplifier Controls

● Volume control (7)

To protect listeners, always adjust the volume control (7) to minimum before use - **particularly if headphones are being used**. Turn the volume level up once the CD or cassette is playing.

If necessary restart the CD or cassette once the volume level is set.

● Balance Control (8)

The balance control (8) allows fading between the speakers. Maximum output of both speakers is achieved when the dial is set to the centre point.

When turned fully left, the right hand speaker cuts out completely and vice versa - ideal where music is recorded on one track and voices on the other.

● Treble (9) and Bass (10) Controls

The treble and bass controls allow listeners to adjust the sound output to suit, enhancing sound quality as required.

● Recording

The position of the amplifier controls will not affect recordings, regardless of their position.

Headphone Sockets (11 & 12)

Connecting Mono or Stereo headphones to the **MASTER** headphone socket (12) automatically disconnects the internal loudspeakers.

Up to five more pairs of headphones may be connected to Sockets (11).

Note: If the **MASTER** socket is not used, then the internal loudspeakers are not disconnected and sound will be reproduced through the internal loudspeakers and any headphones connected.

SAFETY: For safety you are advised to use only 600 ohm headphones such as Coomber 1929 headphones.

Prior to using headphones, always turn the volume down, fit the headphones and then adjust the sound to a comfortable level.

Tape / CD Selector (5)

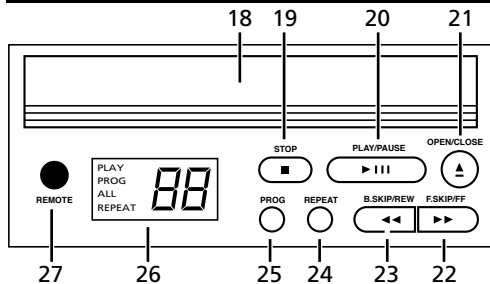
The **SELECT** button (5), should be pushed **IN** to play CDs or **OUT** to play cassette tapes.

External Amplifier Outputs (6)

Use **EXT AMP L & R** (6) outputs to connect to an external amplifier, **Coomber Booster Speakers** or a mixing desk.

The output level is not fixed and may be adjusted by using the **VOLUME** and **BALANCE** controls.

USING THE CD PLAYER



Ensure the TAPE/CD selector switch (6) is pushed IN for CD playback.

The CD Player software initially takes a few moments to run a diagnostic check when first started. Please expect a few seconds delay before the CD controls function.

OPEN/CLOSE button (21)

Press the OPEN/CLOSE button (21) to open or close the CD loading tray (18).

Insert the CD with the label side facing up.

Notes: The CD tray is spring mounted to improve playback performance. It is perfectly normal for the loading tray to wobble when touched.

The loading tray can be closed by using one of the following methods:-

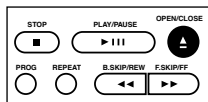
Lightly pushing the front of the CD tray (18) inwards.

Pressing the PLAY/PAUSE button (20)

Pressing the PLAY/PAUSE button on the remote control unit.

Pressing the OPEN/CLOSE button (21)

Using the PLAY/PAUSE buttons to load the disc will automatically allow any audio CD in the tray to start playing.



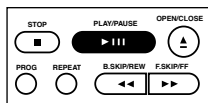
PLAY/PAUSE button (20)

Press the PLAY/PAUSE button (20) once to start playing a CD.

To pause a CD, press the PLAY/PAUSE button (20).

To resume playback, press PLAY/PAUSE button (20) again.

Note: While in PAUSE mode, the word 'PLAY' will flash on and off in the LCD display.



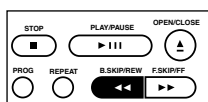
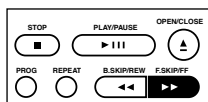
F.SKIP/FF (22) and B.SKIP/REW buttons (23)

Press the F.SKIP/FF button (22) to move to the next track.

Press the B.SKIP/REW button (23) to return to the start of the track.

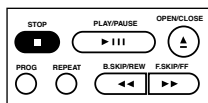
Press the button again to go back to the previous track.

TIP: Press and hold the F.SKIP/FF or B.SKIP/REW buttons down to search forwards or backwards through the track at high speed (i.e. cue and review)



STOP button (19)

Pressing STOP (19) will cause the CD to stop playing. The CD player will return to the READY MODE.



Remote Control Sensor (27)

The 2241 is supplied with a remote control unit. The CD player incorporates an infra red sensor mounted on the front panel.

The controls of the remote control are the same as those on the CD player (described elsewhere) and operate in the same way.

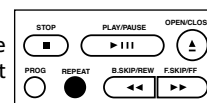
To use the remote control, press the buttons required while pointing it at the front face of the CD player.

LCD Display (26) Information

	Standby Mode	No disc inserted
	Ready Mode	Disc inserted Number of tracks on the CD is displayed
	Disc Playing	'PLAY' appears Track 1 currently playing
	Disc Paused	'PLAY' flashes on and off Track 1 currently paused
	Error Warning	Disc Problem Check to ensure that disc has been inserted correctly. Has an audio disc been inserted?

Repeat Mode (24)

Depressing the REPEAT button once allows the track currently playing to be repeated when it has ended.



	Repeat Mode	'PLAY' and 'REPEAT' appear Track 3 will play again when it ends.
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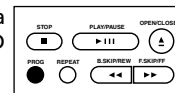
Depressing the REPEAT button a second time allows the whole CD currently playing to be repeated when it has ended.

	All Repeat Mode	'PLAY', 'ALL' and 'REPEAT' appear The entire CD will play again when it ends.
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Press REPEAT again to cancel the REPEAT/ALL REPEAT modes.

Program Mode (25)

The CD Player can be programmed to play a selection of tracks in any order - from any audio CD inserted in the loading tray.



Note: Program mode will only work with the currently inserted disc. It will not remember a selection once the disc has been removed.

Example: tracks 3, 8 and 2 are selected using the process shown below.

Press PROG once.		The word 'PROG' and 00 flash on and off
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Press F.SKIP/FF to select track 3.		The word 'PROG' and 03 flash on and off
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Press PROG again		The word 'PROG' and 00 flash on and off
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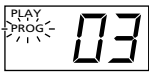
Press F.SKIP/FF to select track 8.		The word 'PROG' and 08 flash on and off
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Press PROG again		The word 'PROG' and 00 flash on and off
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Press F.SKIP/FF to select track 2.		The word 'PROG' and 02 flash on and off
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Press PROG again. Programming is now complete.

Press PLAY to begin playing the selection.



In PLAY Mode

'PLAY' and 'PROG' appear
'PROG' flashes on and off
The first programmed track plays.

Note: While in this mode, the B.SKIPREW and F.SKIPFF buttons will only select the programmed tracks.

Press STOP to exit from PROG PLAY. Press PLAY to listen to the CD in the normal way or, press PROG and PLAY to repeat the program again.

Cancelling the Programmed Play List

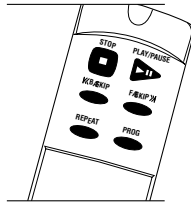
Press PROG and STOP to clear the programmed play list from the CD player memory.

Removing the CD will also clear the programmed play list.

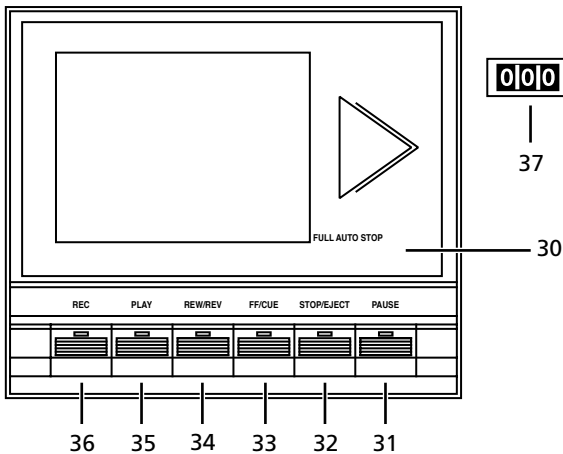
Remote Control (operates CD Player only)

The remote control supplied with the 2241 mimics the CD player controls. It operates the CD functions only.

Note: The remote control unit requires 2x AAA batteries.



USING THE CASSETTE RECORDER



Ensure that the TAPE/CD selector switch (6) is in the OUT position for tape playback.

Keys

- PAUSE (31):** Stops tape recording and playback, without disengaging the tape heads and capstan wheel.
- STOP/EJECT (32):** Opens the cassette door (30) to insert or remove tapes. Stops play, fast forward and rewind functions.
- FF/CUE key (33):** From the STOP position, the cassette will fast-wind forwards.
From the PLAY position, the cassette will fast-wind forwards while the button is pushed down. This allows the user to move forward as required without having to STOP-START the cassette.
- REW/REV (34):** From the STOP position, the cassette will wind backwards.
From the PLAY position, the cassette will wind backwards while the button is pushed down. This allows the user to quickly repeat a passage as required without having to STOP-START the cassette.
- PLAY (35):** Plays pre-recorded tape.
- REC (36):** Press the REC key to record from microphones, CD or any other external source.
The PLAY button (35) will automatically depress at the same time.

Playing a Pre-recorded Tape

Ensure the TAPE/CD selector switch (5) is in the OUT position for tape playback. Open the cassette door (30) with the STOP/EJECT key (32) and insert a pre-recorded tape. Close the door and press the PLAY key (35).

Adjust the VOLUME (7), BALANCE (8), TREBLE (9) and BASS (10) controls to suit. To pause the tape, press the PAUSE (31) key.

Recording (cassette only)

Insert a blank cassette into the tape deck and depress the RECORD key (35) to begin recording from the selected source.

The record level is automatically set to provide simple, good quality recordings from External Microphone, Auxiliary input or CD.

Note: it is not possible to record from CD and External sources at the same time.

● RECORDING FROM THE INTERNAL MICROPHONE

Ensure the TAPE/CD selector switch (5) is in the OUT position. This will cause the MIC indicator (2) to illuminate.

Depress the RECORD key (36) on the cassette deck to begin recording. Recording will be in MONO only.

Note: The internal microphone is not suitable for assessment recordings.

● RECORDING FROM AN EXTERNAL MICROPHONE

Ensure the TAPE/CD selector switch (5) is in the OUT position. This will cause the MIC indicator (2) to illuminate.

Plug a suitable microphone into the EXT record input socket (3). This will disconnect the internal microphone.

Depress the RECORD key (36) on the cassette deck to begin recording. Recording will be in MONO only.

● RECORDING FROM A CD

Ensure the TAPE/CD selector switch (5) is in the IN position. This will cause the CD indicator (2) to illuminate.

Insert the CD. Depress the RECORD key (36) on the cassette deck to begin recording and then depress the PLAY button (20) on the CD player.

Recording difficulties

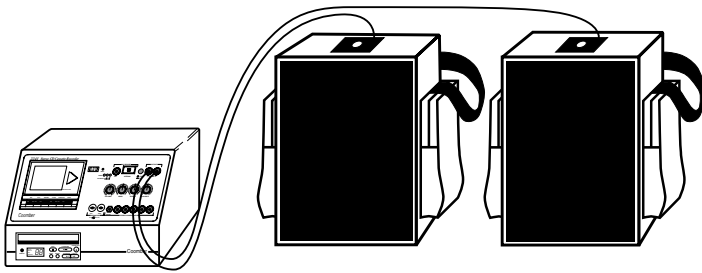
If your recording is blank, please check that the TAPE/CD selector switch (5) was correctly set to IN for CD recordings or OUT for microphone recordings.

Note: If the RECORD key on the cassette mechanism cannot be depressed, then check that the left-hand safety tab on the top edge of your cassette has not been removed to protect an original recording. A cassette can be reused by sticking a piece of self adhesive tape over the hole.

Useful Tips

- You may find, when replaying a recording, that a small amount of distortion is heard at the start, especially when the signal to be recorded is strong (loud). This can be overcome by allowing the automatic level control to settle before recording. Press the PAUSE key followed by the RECORD key. Allow a few seconds for the level to settle. Release the PAUSE key to start the recording.
- Reset the turns counter (37) to zero by depressing the RESET button (38) whenever you wish to return to the start of a particular passage.
- It is important to keep the pinch wheel and heads clean in the usual manner to ensure consistent good performance.

Using your 2241 CD Cassette Recorder with Coomber accessories



Connecting to Coomber booster speakers / external amplifiers (6)

The 2241 is designed to be compatible with **Coomber Booster Speakers** (model no. 2185/2186) which are ideal for increasing sound level.

Note: the 2241 requires 2 booster speakers for effective stereo operation (as shown in the illustration above). Use **EXT AMP L & R** (6) outputs to connect to an external amplifier, **Coomber Booster Speakers** or a mixing desk.

The output level is not fixed and may be adjusted by using the **VOLUME** and **BALANCE** controls.

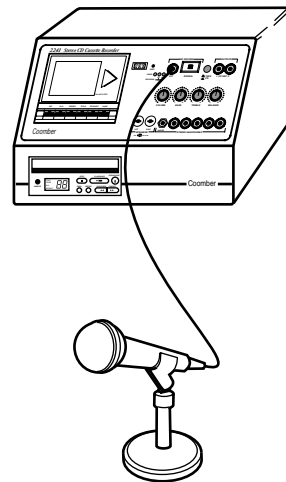
2 x Coomber 2185 or 2186 booster speaker will upgrade your 2241 to around 300 watts of music power. Phone: **01905 25168** for more information.

Headphone Group Listening for more than six positions

Connecting our six position stereo headphone distribution system, 1908/PK C, to one of the stereo headphone sockets will allow up to eleven people to listen through headphones any one time.

Copyright

Your attention is drawn to the fact that copying pre-recorded tapes, CD's or other published material may infringe copyright laws.



Coomber Microphones and Desk Stands

For assessment recording purposes Coomber models 1903 professional quality microphone and 1902 dynamic microphone are both suitable for use with the 2241.

Both microphones can be used with the Coomber 1912 desk stand, making them ideal for use in an examination environment.

Simply plug the microphones into the microphone socket (3), switch on and begin recording for high quality results.

SAFETY & GENERAL INFORMATION

WARNING: This equipment is fitted with a **LASER diode** which can harm the eyes. Do not attempt to disassemble the casing or use any part of the contents for any purpose other than its intended use.

Headphones: For personal safety and comfort connect headphones into equipment, turn volume down and then switch on **before** placing headphones over ears. For safety use only 600 ohm headphones (i.e. Coomber type 1929).

Environments: The equipment should not be exposed to dust, moisture, water, chlorine and other corrosive substances in normal use or during storage. It will cause damage to this equipment.

Swimming pool atmospheres: are very hostile to all electro-mechanical equipment (e.g. steel rusts and rubber perishes). Equipment returned for repairs showing evidence of use in adverse environments may, at our discretion, be charged for even during the 12 month warranty period.

- Rechargeable battery replacement must be carried out by a competent qualified technician.
- The disposal of batteries (rechargeable or otherwise) where used in Coomber equipment should be discarded in accordance with local regulations.
- Do not cover the ventilation openings with any items (e.g. newspaper, fabrics etc.)
- Naked flames, such as lighted candles, should not be placed on or near the apparatus.
- The apparatus should not be exposed to dripping or splashing. No objects filled with liquids, such as vases, should be placed on or near the apparatus.

European Safety Standard: All Coomber equipment complies with EN60065. Any local requirements for use of this equipment should be taken into account.

Class I construction: This equipment must be **EARTHED**.

Mains Voltage

UK & EEC: 220-240V 50Hz: **Mains Cable:** Line - Brown, Neutral - Blue, Earth - Yellow & Green
USA: 110-120V 60Hz: **Mains Cable:** Line - Black, Neutral - White, Earth - Green

Disconnect from mains supply when not in use.

Mains Plug: The mains cable fitted to this equipment is already provided with a moulded plug. If another plug type is required, follow instructions from the plug manufacturer, or seek advice from a qualified person. **DISPOSE OF ORIGINAL PLUG SAFELY. DO NOT RE-USE.**

Mains Plug fuse rating: 3Amp to BS1362 (applicable in UK)

Model type and rating information is located on a label on the rear of the product.

Additional Technical Information: If you require any further help or information, or if any point is not clear, then please telephone **01905 25168/9** quoting your model number and serial number (located on a label on the rear of the product). Our Technical Department will be pleased to help you.

Note: This equipment contains no user serviceable parts and should only be dismantled by competent qualified personnel. **Dismantling will render the warranty void.**

Electrical Safety Testing: Safety testing and servicing should only be carried out by competent qualified personnel. When undertaking an earth bond safety test, only use the mains module chassis/metalwork as other exposed metal surfaces not 25Amp earth bonded will cause internal damage. **If the supply cable is damaged the equipment should be returned to Coomber or their agent for cable replacement.**

Coomber Electronic Equipment Ltd.

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Fax: 0044 (0)1905 612701

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web: www.coomber.co.uk

• Coomber reserve the right to change products and specifications without notice.

• All Coomber equipment is covered by a 12 months warranty against defective components or faulty manufacture from date

of dispatch. Any modifications to or misuse of the equipment renders this warranty void.

• Equipment that is security marked or damaged cannot under any circumstances be exchanged.