

CONNECTING UP

Extension Speakers

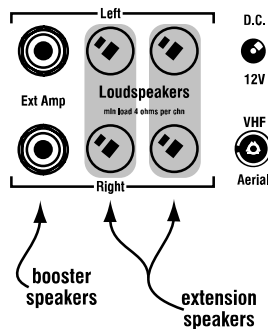
For optimum performance connect a pair of 4Ω extension speakers into **loudspeaker** sockets on the rear panel (i.e. Coomber model 415).

If four speakers are required, each must have an impedance of 8Ω. Damage to the amplifier could otherwise occur.

Coomber Booster Speakers

amplified loudspeakers (i.e Coomber model 2186) can be connected to the two **Ext. Amp** sockets on the rear panel.

They can be used with or without extension loudspeakers.



Battery

The MultiSound Centre can be powered by an external 12v battery connected via the **D.C. 12V** socket in the rear panel.

Note that battery life is primarily dependant upon its condition and the volume settings.

*Battery condition can be checked by pressing the **battery check** button (3). The record level indicators (5) will illuminate. A battery in good condition will illuminate all four indicators.*

SWITCHING ON

Mains power: A Mains ON/OFF switch is found on the left side panel. Switching on will make the power LED (4) illuminate. The CD player LCD panel will also be backlit.

Battery power: When connected to a battery, the power LED (4) will illuminate on the front panel. The CD player LCD panel will also be backlit. *Note: Should the mains be switched on while the battery is connected, no damage will occur due to a protection circuit.*

USING THE MULTISOUND CENTRE

Volume and Sound Quality

Volume, bass, treble and balance controls (1) can be adjusted as required. They will not affect recording quality.

Headphone Socket

Connecting stereo headphones to the headphone socket (7) automatically disconnects the extension loudspeakers **but not** booster speakers connected to the **Ext. amp** sockets. *For safety - use only Coomber 1929 stereo headphones (600 ohm).*

Auxiliary output

The **aux** output sockets (8 & 9) both provide a low level stereo output.

Mono Switch

Pressing the **mono** switch (2) gives mono sound. The stereo indicator (7) will extinguish.

Source and Inputs

The row of red buttons **B** will select either the:-
 external source - perhaps a record player or mini disc (**line**)
 cassette recorder (**tape**)
 CD player (**disc**)
 radio (**tuner**) *connected to external tuner only via plug (6)*
 microphone, guitar or keyboard etc (**mic/aux**)

To select a source, press the appropriate button. Leave the **MIX** control **A** in the mid position.

Working with Inputs

The four **INPUT** sockets are simultaneously active allowing a variety of "Live" signal sources to be connected and passively mixed for listening or recording.

A mic connected to 'R/mono' socket (13) will produce a signal on both channels. Stereo mics should be connected to the 5 pin DIN 'MIC AUX' socket (11) or both 'L' (12) and 'R/mono' (13) sockets.

Guitars and Keyboards should be connected to the 'AUX' socket (10) or 5 pin DIN 'MIC AUX' socket (11).

"Mixing" Sources and Inputs

You can "mix" any of the four **sources** with the mic/aux **inputs** so that, for example, you could play a CD or tape and accompany it using a microphone.

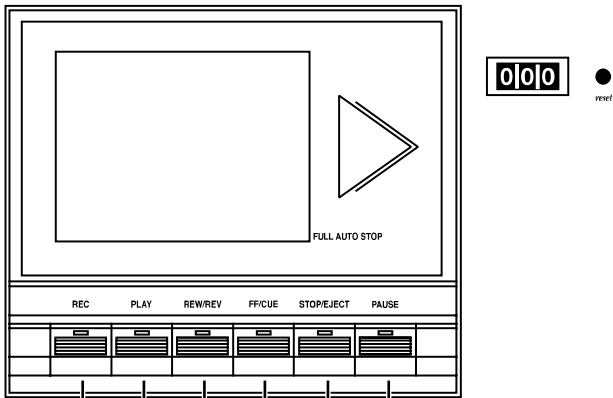
To begin, select one of the four sources (line, tape, disc or tuner) and press the red button in along with the red **input** button **B**.

The green **mix** LED **C** will illuminate.

The mix of source against input can be adjusted by turning the **MIX** control **A**.

*Remember that the **inputs** are passively mixed (the amplifier takes the two signals and mixes them together simultaneously) - so you could connect a keyboard and microphone and "mix" those combined inputs with a source.*

THE CASSETTE RECORDER



PAUSE

Stops tape recording and playback, without disengaging the tape heads and capstan wheel.

STOP/EJECT

Opens the cassette door to insert or remove tapes. Stops play, fast forward and rewind functions.

FAST FORWARD/CUE

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.

REWIND/REVIEW

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

Plays pre-recorded tape.

RECORD

Press the REC key to record from microphones, CD or any other external source.

The PLAY button will automatically depress at the same time. One of the indicators (1) will illuminate, showing the record signal source.

Recording (cassette only)

Using the red buttons **B**, select a source and/or input as required.

Note: *it is not possible to record from two sources at one time.*

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

The record level is automatically set to provide simple, good quality recordings from all sources and inputs. Visual confirmation of recording may be seen in indicator LEDs (5).

Recordings are unaffected by the position of volume, bass, treble and balance controls.

Recording difficulties

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 to zero by depressing the RESET button 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.

THE CD PLAYER

ATTENTION

In common with many CD players, it takes a few moments for the player to run a diagnostic check. Do not press any buttons until the LCD display has stopped flashing.

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

REMOVE CD'S PRIOR TO TRANSPORTATION TO AVOID DAMAGE.

CUE/FORWARD SKIP

Press once to skip forward a track, press and hold to cue through the track being played.

REVIEW/BACK SKIP

Press once to skip back a track, press and hold to review through the track being played.

STOP

Press once to stop playing CD. The CD player will reset itself. Note: Random, Prog and Repeat settings will be lost when STOP is depressed.

PLAY/PAUSE

Press once to go play a track. Press again to pause play (seconds counter will flash). Press again to cancel pause mode and continue playing.

OPEN/CLOSE

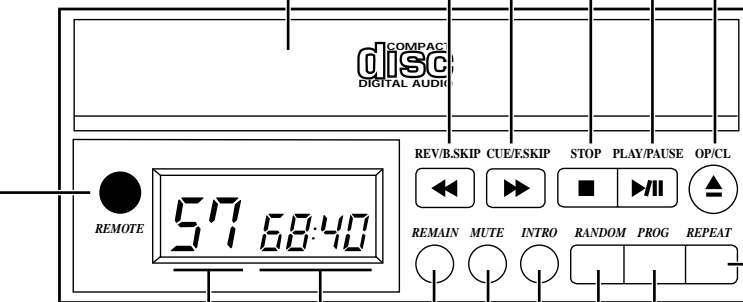
Opens and closes the CD tray. Overrides all other functions.

CD TRAY

Can be closed by pushing gently or by pressing the OPEN/CLOSE button.

REMOTE SENSOR

Infra red sensor allows operation of CD player by the RM05 remote control.



TRACK NUMBER

Up to 99 tracks can be selected and played.

TIME CLOCK

Shows total length of CD in minutes and seconds, track time elapsed or total time remaining of any CD playing.

REMAIN

Press to show how much total CD playing time remains. Press again to revert to track time elapsed.

REPEAT

Press once to repeat current track, press twice to repeat complete CD. Press again to cancel.

PROG

Press to programme CD player for personalised playback order (see below).

RANDOM

Press to allow the CD player to randomly select the play order of the tracks on the current CD. Press again to cancel.

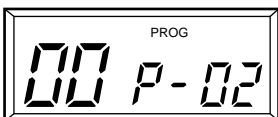
INTRO

Press to play the first ten seconds of each track. Press again to cancel.

MUTE

Press to mute sound. CD continues to play while MUTE is selected. Press again to cancel.

Program Mode

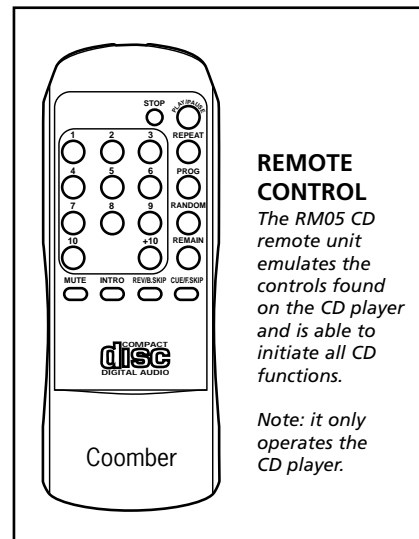


The CD player can be programmed to play any combination of tracks, in any order, on a CD. To do so, simply do the following:-

- 1 Insert a CD and wait for the display to show the number of tracks and the total CD time.
- 2 Press PROG once, then select a track using the REV/B.SKIP or CUE/F.SKIP buttons.
- 3 Repeat the process until all of the required tracks have been included.
- 4 Press PLAY to begin listening. The word PROG is displayed permanently while the programmed play list is playing.

Notes

- You can use REV/B.SKIP, CUE/F.SKIP and PAUSE in program mode, but pressing STOP, or ejecting the CD will cancel the memory.
- After 10 seconds of inactivity the PROG mode will shut down. Don't worry, simply press PROG again to return to the mode. Any input information will still be available (up to the last time the PROG button was pressed).



REMOTE CONTROL

The RM05 CD remote unit emulates the controls found on the CD player and is able to initiate all CD functions.

Note: it only operates the CD player.

ACCESSORIES

The following Coomber accessories are available for use with the Multisound Centre.

415 Extension loudspeaker

Light oak cabinet to match multisound centre. 8" bass/mid speaker and tweeter. 4Ω, 40watt nominal. Supplied with 3 metre extension lead and 2 pin plug. (2 required)

420F Floor Extension Speaker and 420W Wall Extension Speaker

Light oak cabinets to match multisound centre. 8" bass/mid speaker and tweeter. 8Ω, 80watt nominal. Supplied with 3 metre extension lead and 2 pin plug. 420F includes floor stand, while 420W includes wall brackets. (2 required)

2186 Booster speaker

Light oak cabinet to match multisound centre. Mains powered active amplified 3 way loudspeaker system. 160watts (mpo), 75watts (rms), low level input and output, 2 pin speaker input, supplied with 5m connecting lead. (2 required)

1918 microphone

Quality dynamic microphone with 5 metre lead, clip and on/off switch.

1808 live performance microphone

PHugh quality dynamic microphone for live performance recording. Supplied with 5 metre lead, clip and on/off switch.

1905 floor stand

Fully extending microphone stand with boom arm. Designed for stability.

Diversity Radio Microphone Systems

Package comprising all items needed to use a radio microphone with the MultiSound Centre. DTi approved, licence not required.

1982/PK A	Handheld radio mic package
1983/PK A	Lapel radio microphone package
1984/PK A	Headband microphone package

1943 butterfly clamp

Adjustable jaws fit a wide range of microphones. Fits 1905 floor stand.

1959 12 volt rechargeable battery

supplied in convenient carry case with fused leads.

1958 battery charger

for recharging Coomber 1959 battery

1963 DC power lead set

with fused leads - connects car battery to MultiSound Centre

ADDITIONAL TECHNICAL INFORMATION

Warning - All loudspeakers must be wired to the Multisound Centre with their own twin cable. When undertaking loudspeaker installation, e.g. in school halls, it is important that a common earth circuit is not used. All loudspeakers from Coomber are terminated correctly. The extension circuits that are installed for the loudspeakers must be wired without any commoning of any wires.

If you require any further help or information, or if any point is not clear then please telephone 01905 25168. Our Technical Department will be pleased to help you.

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.

- 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.
- The disposal of batteries (rechargeable or otherwise) where used in Coomber equipment should be discarded in accordance with local regulations.

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.

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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

Isolate from mains supply when not in use by removing the plug from the wall socket.

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 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 disassembled and reassembled 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 externally exposed metalwork. Do not test against internal metal components found inside tape mechanisms or CD trays - THIS WILL LEAD TO IRREPARABLE INTERNAL DAMAGE.
- The supply cable is part of a special assembly. If damaged the equipment should be returned to Coomber Electronic Equipment Limited or their agent for cable replacement.

- 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.