

Operating Instructions: "Real Time" CD Recorders

Coomber

6020 & 6030 CD Recorders, 6021 & 6031 CD Cassette Recorders

GETTING STARTED!

We have found from experience that even though we provide instructions for Coomber equipment, they are rarely at hand when needed. This is especially true in schools where equipment is used by different people and in different rooms.

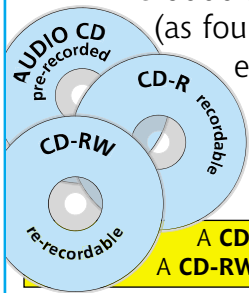
A Reference Manual for this model is available for download from our website at www.coomber.co.uk (see [Product Support](#) and [Operating Instructions](#)).

With this consideration in mind, our "Real Time" CD Recorders have been designed for simplicity.

This Quick Start guide will help you get going, though we feel that the best way to learn how to use the equipment is to just fiddle with it!

1 WHAT CDs CAN I PLAY

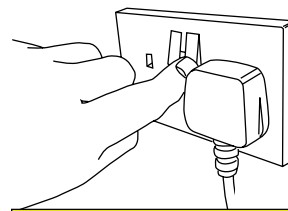
The 6000 series plays **audio CD's** (as found in record shops) or educational audio CDs intended for schools use. You can also play **CD-R** and **CD-RW** discs.



A **CD-R** is a recordable CD.
A **CD-RW** is a recordable and erasable CD.

2 SWITCHING ON

Plug the **CD Recorder** into a wall socket and switch the socket on.



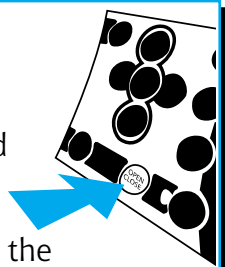
The CD Recorder will start up automatically.

On startup, the CD recorder will detect whether a CD has been left in the drive or not.

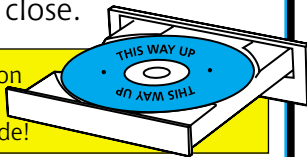
3 INSERTING A CD

Press **OPEN CLOSE** on the keypad to open the CD tray.

Press **OPEN CLOSE** again or push the tray lightly to make it close.



You can also use the CD drive button to open or close the tray. Neither button works in play or record mode!



4 PLAYING CDs

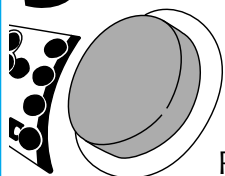
Press **PLAY PAUSE** to **play** the CD.

Press **PLAY PAUSE** again to **pause** the CD.

Press **STOP** to **stop** the CD.

Press **OPEN CLOSE** to **eject** the CD.

5 THE ROTARY CONTROL



The **rotary control** adjusts the volume. Volume settings show up in the display.

Press **SPEED** or **STONE BALANCE** buttons and adjust them with the rotary control.

TIP: press the key a second time or leave the rotary control for a few seconds to re-enable volume adjustment.

6 GETTING AROUND

Press **⏮** or **⏭** keys to go **backwards** or **forwards** through the tracks.

Press **CUE** key and twist rotary control to **scan** back or forth across a track - allowing you to **cue** up any section.

Press **CUE** to cancel the cue mode.

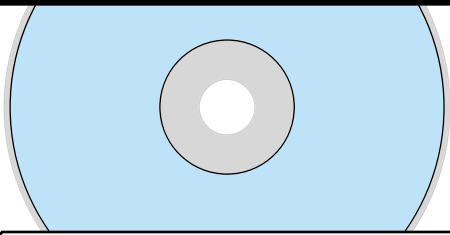
TIP: Use CUE in PAUSE mode for greater playback control.

You can switch the unit into standby mode (where it powers down and consumes minimal electricity) by pressing the green ON/STANDBY switch. **Remember though, that it is still connected to the mains power supply and the red LED gives an indication of this.** For safety always unplug the unit from the wall overnight or if not in use for long periods!

ON
STANDBY

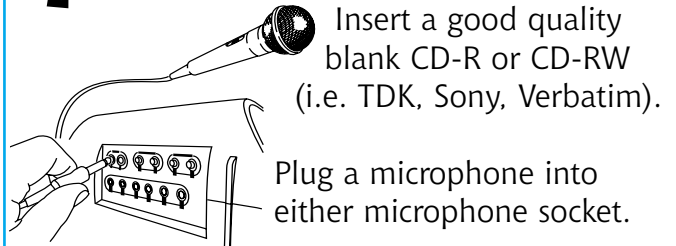
RECORDING TO CD

You can record to **CD-R** and **CD-RW** from microphone, cassette or external sources



You can record on a CD-R once only.
You can record **and erase** a CD-RW many times.

1 GET READY TO RECORD



Insert a good quality blank CD-R or CD-RW (i.e. TDK, Sony, Verbatim).

Plug a microphone into either microphone socket.

For improved recording quality use a "balanced" microphone, such as the Coomber 1918 or 1808 models.

2 START RECORDING

Press the **RECORD** key.

You are now recording directly to CD!

Press **PLAY PAUSE** to **pause** recording.

Press **STOP** to **stop** recording.

3 STOP RECORDING

Once you press the **STOP** key, you have made a CD track.

Press **PLAY PAUSE** to **play** the track.

Press **RECORD** to **record** a new track.

4 WHAT NEXT?

Once you have finished recording you can remove the CD from the drive.



! You get to choose what to do with the CD when you want to remove it. !

5 FIX OR EJECT?

When you attempt to eject a recordable CD from the drive you'll be asked if you want to **fix** or **eject** it.



Use the appropriate menu key (arrowed) to select your choice - or press the **OPEN CLOSE** key a second time.

6 IF YOU DON'T FIX A CD...

...you can record more tracks at a later date...

but you can't play it on other CD players - you'll only be able to play it on a Coomber 'Real Time' CD Recorder until you fix it.

7 IF YOU DO FIX A CD...

...you can't add further tracks to it, but you can play it on most* CD players!

*Note: CDs are read with a laser. Some players don't have lasers powerful enough to read CD-R or CD-RW discs.

CD-RW discs can be erased. If you do fix a CD-RW you can erase it at a later date. We have included an erase feature in the menu should you wish to use it. **Erasing a CD-RW will mean that all information on the disc will be lost.**



Important Note Always use good quality CDs for recording purposes (such as TDK, Sony or Verbatim). Cheap CDs tend to have a high failure rate and may lead to users losing (or failing to successfully complete) valuable recordings.

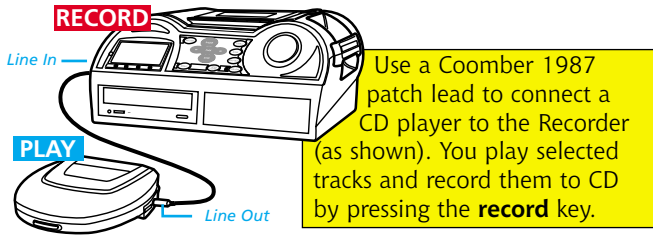
This equipment was developed and tested using high quality media. We will not accept any liability for recording failure caused by the use of poor quality, scratched or dirty CDs.



USEFUL FEATURES

COMPILING CDs

With a personal CD player you can compile previously recorded tracks onto a new CD.



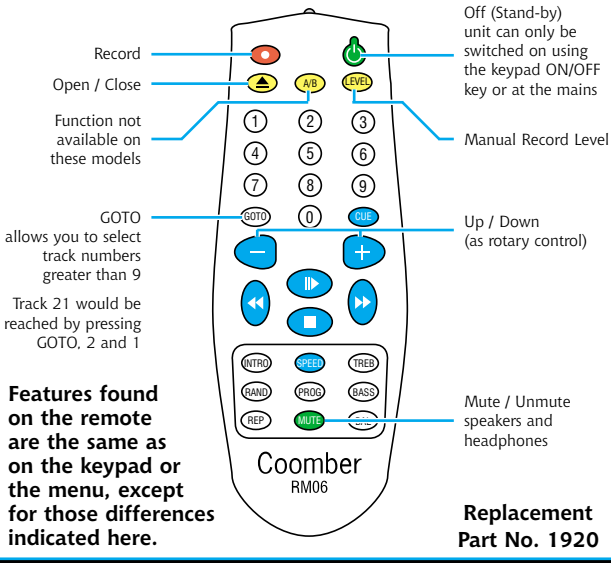
You can also:-

compile a CD from cassette or vinyl records (via a hi-fi or pre-amp)

Tip: if you press the forward key while recording, a new track will begin.

This is a useful editing feature for use when recording from a continuous source, such as a tape. Note: although no audio information is lost, a two second gap will appear between tracks.

REMOTE CONTROL UNIT



ADVANCED USER MENU

More experienced users may wish to use facilities available in the menu shown here.

Press the **MENU** key and select choices using the **four menu keys** located below the LCD screen.

MENU

Record options

- Record level mode
 - ✓ Automatic record level
 - Manual record level
- Two microphone setup
 - 2 mics are a stereo pair
 - ✓ 2 mics are dual mono
- Dual disc record mode
 - ✓ Record to one disc only
 - record to both discs
- Fade on record stop

Option available during recording. Select to provide a five second fade-out when STOP is selected to end recording.

Playback options*

- Repeat options
 - ✓ no repeat
 - repeat track
 - repeat disc
- Programme

Select tracks for playing in the order of your choice.
- Random

Select to play all of the tracks in a random order.
- Intro

Select to play the first 5 seconds of each track, allowing you to listen to and select a track of your choice. Upon hearing the desired track, press the PLAY key. Intro mode is cancelled and the track will continue to play.

Erase† & copy functions

- Copy disc *6030/6031 models only*
- Copy tracks *6030/6031 models only*
- Erase disc
- Erase last track††

Option available when a CD-RW has at least one track.

Other settings

- Speaker options
 - Mute speakers

Select to mute/unmute speakers.
 - Turn PA mode on

Select for public address via mic.
- Keypad & remote options
 - Disable keypad

Disable keypad can only be deselected by restarting the unit.
 - Disable remote
- Display options
 - Contrast

Select to adjust display contrast using rotary control knob.
 - Invert

Select to invert the LCD image from positive to negative.
 - Backlight Off

Select to switch off the backlight.
- Service Info
 - Show build information

Shows information about your Real Time CD Recorder - useful info for advice or support.
 - Show drive information

* All menu functions return to their default settings when the unit is restarted - except for items marked with an asterisk * which return to default settings when a new CD is inserted.

† Option appears when a CD-RW is inserted.

†† The availability of this option is dependant upon the type of CD drive fitted.

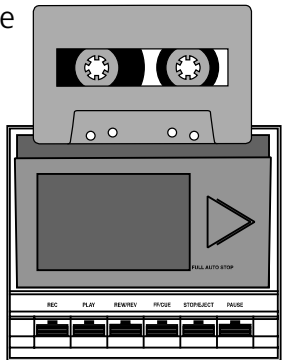
✓ Tick indicates default selection at startup.

THE CASSETTE DECK 6021 model only

Use the cassette deck to:-

- Record from CD, external source or mic
- Copy cassette to CD
- Copy CD to cassette
- Play cassettes

To prevent damage to the cassette heads and door, please ensure that the cassette is loaded as shown.



The Real Time CD Recorder software recognises when a cassette is playing or recording. Information will appear on the screen indicating activities being undertaken by the tape deck.

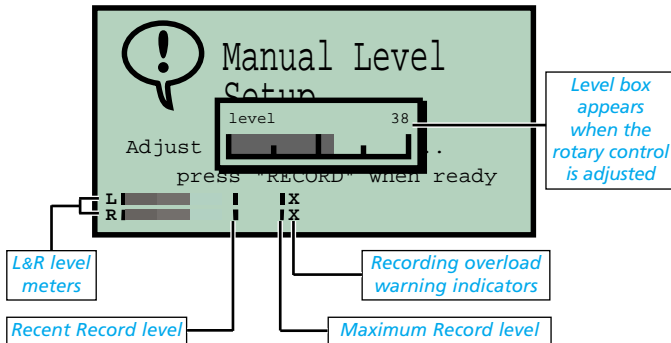
RECORD OPTIONS

Record level mode

Automatic record level: While recording, the Coomber monitors the sound and adjusts the record levels to get a good overall result. (Default setting.)

Manual record level: Allows the user to set the record levels for optimum performance.

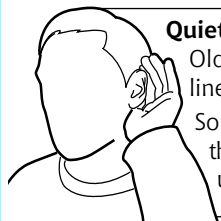
1. Select Manual record level from the menu.
2. Connect and switch on the mic(s). Press RECORD.



3. A confirmation screen appears, at which point the record levels can be adjusted using the rotary control. The digitally controlled function offers a choice of 64 positions (from 0 to 63), with the selected level appearing in the top right hand corner of the level box. Note: The volume level adjusts with the record level.

Once set, press RECORD again and recording begins.

4. The levels can be adjusted while recording by selecting the LEVEL menu soft key.



Quiet Recordings?

Older hi-fi systems may have a low voltage line output causing quiet recordings.

Some mini disc and personal CD players use the headphone socket as a line output - turn up the volume to get louder recording.

Two microphone setup

2 mics are dual mono: Recording will be in mono regardless of whether one or two mics are being used. (Default setting.)

2 mics are a stereo pair: The number 1 mic records to the left channel, the number 2 mic records to the right channel.

Erase options

Erase disc: Erases the entire contents of a CD-RW. All information will be lost.

This option only appears when a CD-RW has been inserted.

Erase last track: Erases the last track only on a CD-RW.

This option only appears when a CD-RW has one or more tracks already on it. Feature availability dependant on drive fitted.

Coomber Electronic Equipment Ltd.

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Fax: 0044 (0)1905 612701

e-mail: sales@coomber.co.uk

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.

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

GH INSTR 6000 v1.1 28/02/2005

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PLAYBACK OPTIONS

Repeat options

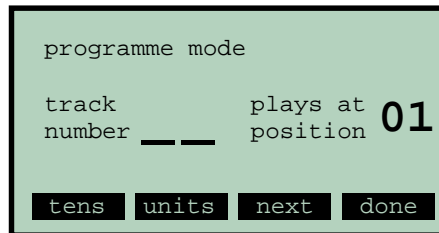
No repeat: to play a CD through in its entirety once only. (Default setting.)

Repeat track: to select and continually play one track, and

Repeat disc: to play the entire CD continuously.

Programme

Programme mode allows you to select tracks for playing in the order of your choice. A CD must be inserted for a programme to be created.



When Programme is selected the programme screen appears. Use the menu keys (tens or units) to select the number of your first track.

Press NEXT and repeat the process until all required tracks have been selected. Press DONE.

You will be returned to the main screen. The word "prog" appears in the top right hand corner indicating that the selection is ready to play. Press PLAY to begin the programme.

Cancel Programme Mode

To cancel programme mode either eject the disc or select "Cancel Programme" from the menu.

SAFETY AND GENERAL INFORMATION



Class 1 laser product: 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. This equipment is a CLASS 1 Laser Product - which means that it presents no danger if used as intended (i.e. to play or record CDs).

Headphones: For personal safety and listener comfort turn volume down and connect headphones into the equipment before placing them 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.

Copyright and recordings: Recordings protected by copyright have copying restrictions placed upon them. If in doubt about your right to copy such material, contact the copyright holder for permission.

Class I construction:
This equipment must be EARTHED.

Mains Voltage UK & EEC: nominal 230V 50Hz
USA: 110-120V 60Hz

UK & EEC Mains Cord: Line=Brown, Neutral=Blue, Earth=Yellow & Green. Fitted with either 13A UK or Semko moulded plug.

USA Mains Cord: Line=Black, Neutral=White, Earth=Green. Fitted with moulded USA plug.

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, REMOVING ANY FUSES, where fitted. DO NOT RE-USE.**

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

Connecting to the mains supply:

The unit must be connected to a socket outlet with a protective earthing connection.

The mains plug must be accessible at all times.

Model type and rating information is located on a label on the base 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 base 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.