

# Operating Instructions: "Real Time" CD Recorders

Coomber

All "Real Time" CD Recorder Models

## 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.

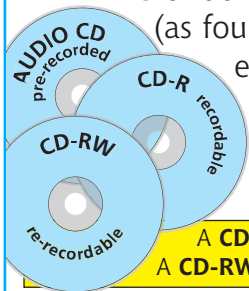
A Reference Manual for this model is available for download from our website at [www.coomber.co.uk](http://www.coomber.co.uk) (see **Product Support** and **Operating Instructions**). Software upgrades, if developed, will be available free from our site under Product Support.

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

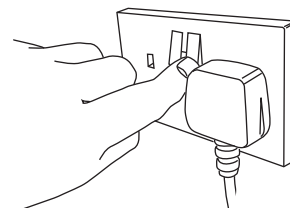
The 6100 series plays **audio CD's** (as found in record shops) or educational audio CDs intended for schools use. You can also play **CD-R** and **CD-RW** discs.



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.



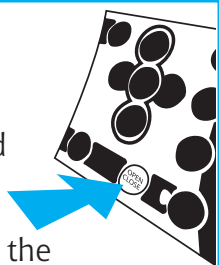
The CD Recorder will start up automatically.

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

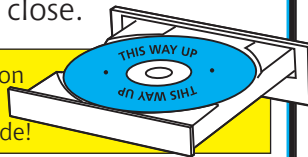
### 3 INSERTING A CD

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

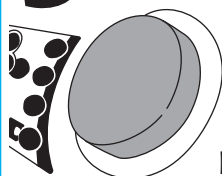
Press **PLAY PAUSE** to **play** the CD.

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.

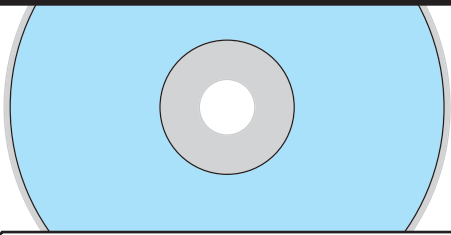
**TIP:** Use CUE in PAUSE mode for greater playback control.

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.

\* 90 minute recordable CDs are not compatible with our 'Real Time' CD Recorders.

## 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.

## 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.**

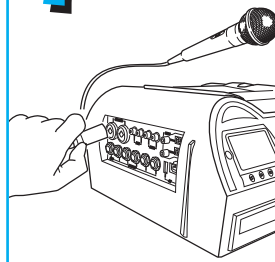


## 6 IF YOU DON'T FIX A CD...

...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.**

## 1 GET READY TO RECORD



Insert a good quality blank CD (i.e. TDK, Verbatim etc.).

Plug a balance wired microphone (such as our 1918 or 1808 models) into either mic socket.

For optimum results, capacitor microphones can be connected into the XLR sockets. 48v phantom power may be enabled via the menu:-

**Record options > Microphone settings > Turn phantom power on.**

## 3 STOP RECORDING

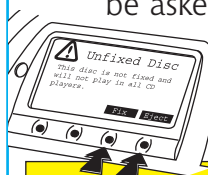
Once you press the **STOP** key, you have made a CD track.

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

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

## 5 FIX OR EJECT?

When you go to eject a recordable CD using the **OPEN CLOSE** key 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 again.

Note: You will not be offered this choice if you eject a CD using the drive door button!

## 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.

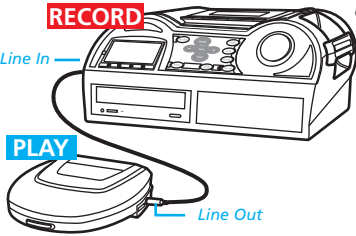
This equipment was developed and tested using high quality media. We will not accept any liability for recording failure caused by the use of poor quality, scratched or dirty CDs.



# USEFUL FEATURES

## COMPILING CDs

In addition to traditional stereo line inputs and outputs, the Coomber 6100 range also includes **digital inputs** and **outputs** (coaxial and optical), allowing the very highest possible recording quality.



### 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

Record

Open / Close

Function not available on these models

GOTO allows you to select track numbers greater than 9  
Track 21 would be reached by pressing GOTO, 2 and 1

Features found on the remote are the same as on the keypad or the menu, except for those differences indicated here.

Off (Stand-by) unit can only be switched on using the keypad ON/OFF key or at the mains

Manual Record Level

Up / Down (as rotary control)

Mute / Unmute speakers and headphones

Replacement Part No. 1920

## ADVANCED USER MENU

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**

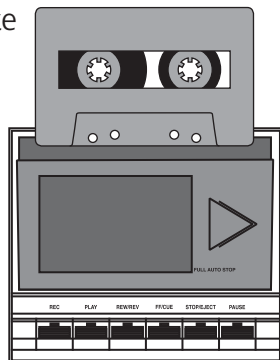
- Record options**
  - Record level mode
    - ✓ Automatic record level
    - Manual record level
  - Micro-phone settings
    - Two micro-phone setup
      - ✓ 2 mics are a stereo pair
      - 2 mics are dual mono
    - Microphone sensitivity
      - ✓ High sensitivity
      - Low sensitivity
    - Turn phantom power on  
*Select to turn phantom power on or off*
  - Dual disc record mode
    - ✓ Record to one disc only
    - Record to both discs
    - Continuous record
  - Fade out recording  
*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<sup>†</sup> & copy functions**
  - Erase disc
  - Erase last track *Option only available with LiteOn drives*
  - Copy disc
  - Copy or splice tracks
    - Copy tracks
    - Splice tracks
- 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 can only be deselected by restarting the unit.*
    - Disable keypad
    - 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
    - Show drive information

## THE CASSETTE DECK 6121 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.

\* 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.

Options in red are only available on 6030/6031 models only.

† Option appears when a CD-RW is inserted.

✓ Tick indicates default selection at startup.

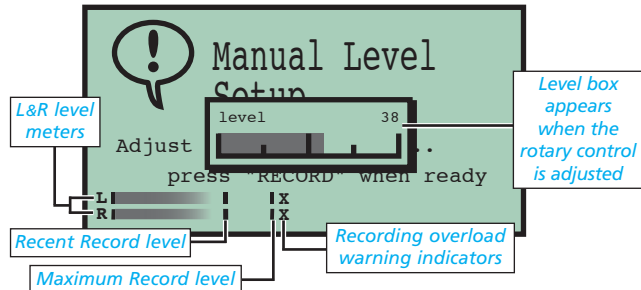
# RECORD OPTIONS

## Record level mode

**Automatic record level:** Sound is automatically monitored and the record level adjusted 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. The record levels can be adjusted using the rotary control. 64 positions (from 0 to 63) are available and the selected level shows in the top right hand corner of the level box. *Note: speakers are switched off while a mic is connected to avoid feedback, but on when line inputs are being used. The volume level adjusts with the record level.*

4. Once set, press RECORD again and recording begins.

*Note:* Levels can be adjusted during recording by selecting the LEVEL menu soft key and using the rotary controller.



**Quiet Recordings?** Some Mini Disc and personal CD players use the headphone socket as a line output - try turning the volume up to get a louder recording.

## Microphone Settings

### Two microphone setup

**2 mics are dual mono:** Recording in mono whether one or two mics are being used. (Default setting.) **2 mics are a stereo pair:** Mic 1 records to the left channel, Mic 2 records to the right.

### Microphone Sensitivity

**High sensitivity:** Ideal for most conditions including quiet recordings. (Default setting.)

**Low sensitivity:** Select if recordings are overloaded or distorted.

### Phantom Power

Phantom power (48v) supplies power to high performance capacitor microphones through the XLR sockets. Select power on or off as required (the default setting is off).

## Erase option

**Erase disc:** Erases the 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 only available with Lite-on CD drives.*

## Coomber Electronic Equipment Ltd.

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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 6100 v1.1 13/02/2008

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v1.0 first published 2007

# PLAYBACK OPTIONS

## Repeat options

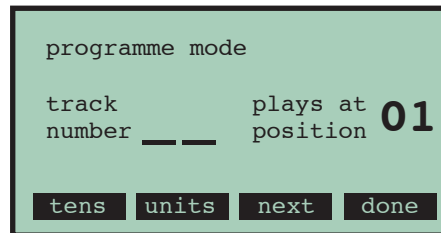
**No repeat:** to play a CD through in its entirety once only. (Default setting.)

**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).

- 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** 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.**