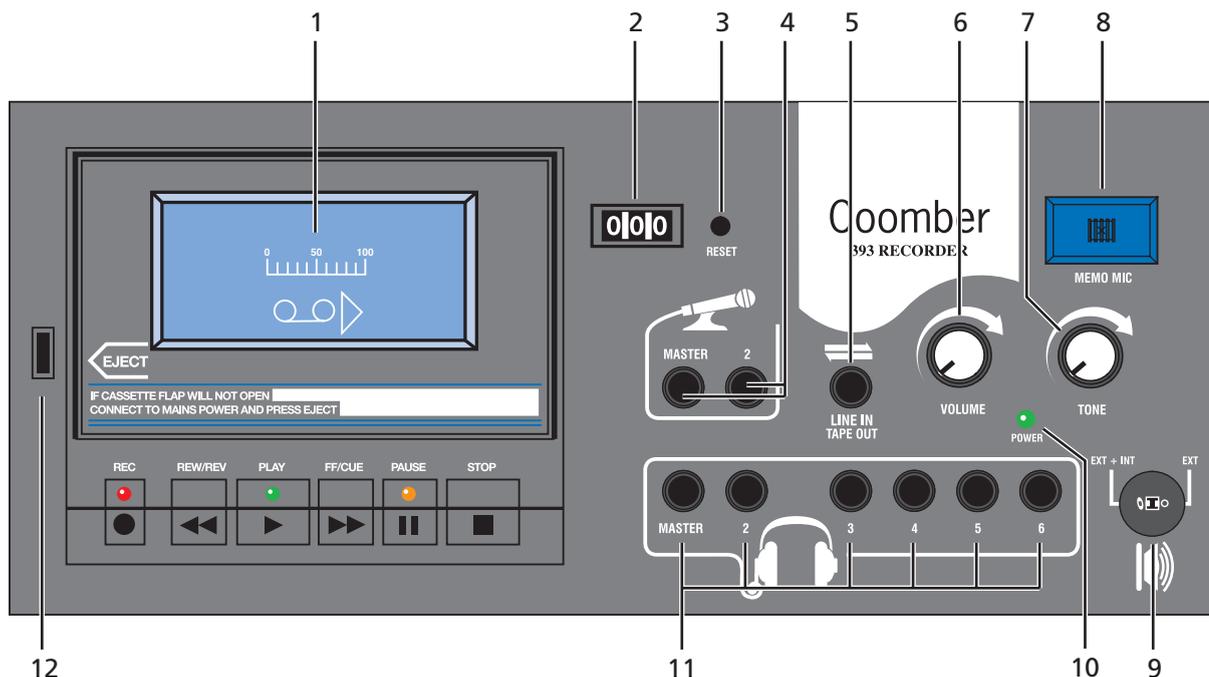


Operating Instructions: 393 Cassette Recorder

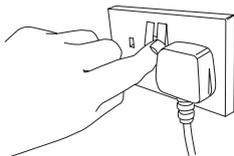
Coomber

with Solenoid Controlled Cassette Deck



MAINS POWER

Connect to the Mains supply and the green power indicator (10) will light.



BATTERY POWER (393/R only)

As well as using mains power, the 393/R is fitted with a rechargeable battery allowing the unit to be used almost anywhere. When the rechargeable battery is low, the power light (10) will flash. The rate of discharge depends on battery condition, volume setting and use of cassette mechanism (rewind/fast forward requires more power).

Charging the Battery: Charging occurs automatically when the unit is connected to the mains. It takes approximately 6 to 8 hours to reach full charge. The battery cannot be overcharged.

WARNING: The life of a rechargeable battery is shortened by over discharging and not immediately recharging. **If left in a discharged state, the battery can be permanently and irreversibly damaged.**

LOGIC CONTROLLED SOLENOID CASSETTE DECK (1)

The cassette mechanism offers 'one touch' record, cue and review facilities, and includes full Autostop - disengaging the drive automatically when the tape reaches its end. **For optimum performance it is important to keep the pinch wheel and heads clean.** If in doubt about cleaning consult your audio visual advisor or visit the PRODUCT SUPPORT section of our website.

The solenoid controlled mechanism offers some useful features.

- The ability to switch directly between REWIND, FAST FORWARD and PLAY without needing to select STOP first.
- CUE and REVIEW, selected by pressing FAST FORWARD or REWIND while in PLAY mode, allows the user to fast forward or rewind the tape by a few seconds.

TIP: Holding the key down allows the tape to go forwards or backwards for as long as the key is depressed. **AS SOON AS THE KEY IS RELEASED THE TAPE WILL BEGIN PLAYING AGAIN.**

- To record, press the RECORD key, followed by the PLAY key.
- EJECT (12) will only operate in the STOP and PAUSE modes. While the tape is moving, the EJECT button remains locked and cannot be used. This prevents damage to the cassette and the mechanism.
- NORMAL / CHROME TYPE TAPE. The mechanism will recognise which type of tape is inserted and selects Normal or Chrome mode as required, providing optimum performance at all times.
- SEARCH facility looks for a gap of 3 seconds or more, allowing the user

to wind forwards or backwards to the start or finish of a music track (for example).

To engage, select PLAY and then depress the PLAY key for a second time. The PLAY LED will flash twice while the cassette continues to play. Pressing either the FAST FORWARD or REWIND keys will now initiate SEARCH mode.

To deselect the SEARCH mode, depress the PLAY key again. The PLAY LED will flash once.

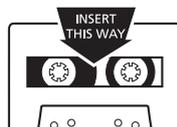
SEARCH mode is also cancelled when the tape reaches the end, or the STOP button is depressed.

CUE and REVIEW will not operate in the SEARCH mode.

- AUTOMATIC LEVEL CONTROL (ALC). The record level is adjusted and set automatically to provide optimum performance from the AUX or MICROPHONE inputs.

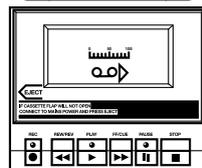
You may find that a small amount of distortion is heard at the start of a recording, especially if the signal to be recorded is strong (loud). ALC attunes itself to the general level of sound in a room - so for the best recordings, allow the ALC to settle before recording commences. To do this, press the PAUSE key followed by the RECORD key. The ALC will monitor the sound levels and set itself. Release the PAUSE key after a few seconds monitoring to start the recording.

- Reset the turns counter (2) to zero using the reset button (3) whenever you wish to be able to mark the start of a particular passage.



PLAYING A PRE-RECORDED TAPE

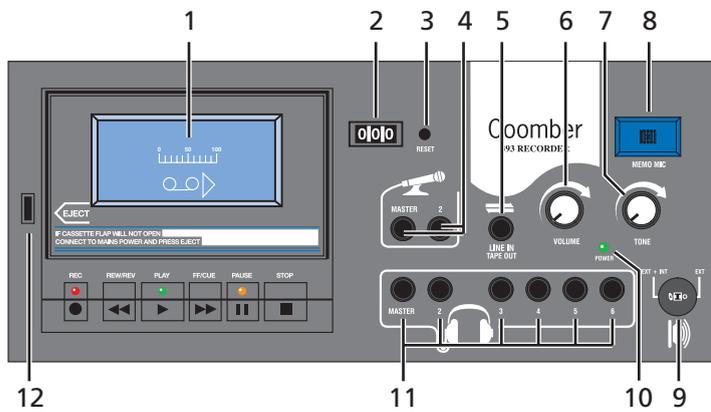
Open the cassette door with the EJECT key (12) and insert a pre-recorded tape. Close the door and press the PLAY key. Adjust VOLUME and TONE controls to suit. To pause the tape, press the PAUSE key.



CASSETTE INCORRECTLY LOADED WARNING! If all three indicator lights flash five times, then the cassette may be loaded incorrectly. Without using undue force, eject the tape and re-insert it before trying to play the tape.

CASSETTE JAMMED! Turning off the power while the cassette is still engaged may cause the mechanism to jam. To remove the trapped cassette, re-connect to the power supply and switch on. The cassette mechanism will reset itself and the tape can then be removed.

Use VOLUME (6) and TONE (7) to adjust sound.



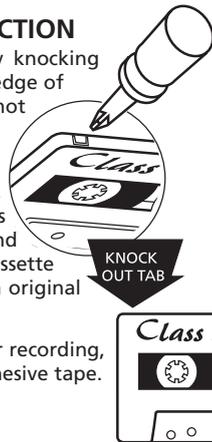
TURNS COUNTER

To enable users to find a particular section of the cassette tape, a turns counter (2) is fitted. To reset the counter to zero, press the reset button (3).

VALUABLE RECORDING PROTECTION

You can protect valuable recordings by knocking out the safety tab on the top left hand edge of a cassette. Once removed, the tape cannot be recorded over (on that side only).

- If the **RECORD** key on the cassette mechanism cannot be depressed and the record indicator light flashes three times, check that the left-hand safety tab on the top edge of your cassette has not been removed to protect an original recording.
- If you do wish to use the cassette for recording, replace the missing tab with self adhesive tape.



INTERNAL MEMO MIC (8)

Press the RECORD key and speak clearly into the blue MEMO MIC. The optimum distance when speaking into the mic is approximately 600mm (2 feet).

Note: The internal MEMO MIC is ideal for notebook recordings but not recommended for assessment recordings. External microphones (such as Coomber models 1918 or 1808) will offer greatly superior quality.

EXTERNAL MICROPHONE SOCKETS (4)

For clear recordings use external microphones and good quality cassettes. Up to two microphones may be connected for recording (4).

If using one microphone only - ensure it is connected to the MASTER MICROPHONE socket. This disconnects the internal MEMO MIC (8).

LINE IN SOCKET (5)

Use the LINE IN/TAPE OUT socket (5) to record from another source such as CD or radio. This socket also provides a tape out signal while the tape deck is playing a cassette.

HEADPHONE SOCKETS (11)

Up to 6 pairs of mono or stereo headphones may be connected. Connecting a pair to the MASTER socket automatically disconnects the internal loudspeaker.

EXTERNAL LOUDSPEAKER SOCKET (9)

- For external and internal loudspeakers operating together - minimum external impedance 8 ohm.
- For an external loudspeaker only - minimum external impedance 4 ohm.

GROUP LISTENING

If more headphones are required to operate from Coomber equipment then use Coomber headphone systems model no.1908/PK C (1908 distribution box and 6 x 1929 stereo headphones at special package prices). Telephone or visit our website for details.

SERIAL NUMBER SUFFIX CODES

The following suffixes may be appended after the serial number.

/R denotes that a rechargeable battery and charger circuit has been fitted.

-110 denotes 110v - 120v 60Hz version for overseas markets.

SAFETY & GENERAL INFORMATION

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 II construction - electrical safety

Mains Voltage

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

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 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 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.
- **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 Electronic Equipment Ltd.

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Fax: 0044 (0)1905 759170

e-mail: sales@coomber.co.uk
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.