



Power from Mains

The Mains ON/OFF switch is found on the back panel.

Logic Controlled Solenoid Tape Deck

The logic controlled solenoid cassette deck fitted to the 2085 and 2085/W models works in the same way as a traditional cassette deck, but with these additional features.

1. Solenoid control allows the user to switch directly between REWIND, FAST FORWARD and PLAY without needing to select STOP first.

2. 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: Gently tapping the appropriate key will allow the tape to go forwards or backwards by 1.5 seconds. Holding the key down will allow 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.

3. RECORD can only be selected from STOP. It cannot be selected when the tape is in PLAY, FAST FORWARD or REWIND modes.

To record, press the RECORD key, followed by the PLAY key.

TIP: While in RECORD mode, REVIEW can be selected; though this will automatically discontinue recording.

Important recordings can be protected by removing the appropriate tape protection tab. If an attempt is made to use such a tape for recording purposes, the record indicator light will flash three times and RECORD will not be selected.

4. 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 again.

5. EJECT will only operate in the STOP and PAUSE modes. While the tape is moving, the EJECT button remains locked and cannot be used.

6. The tape deck accepts Normal and Chrome tapes. It monitors the type of tape inserted and automatically selects Normal or Chrome mode, providing optimum performance at all times.
7. The 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 use this mode, 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 facility, simply depress the PLAY key again. This time, the PLAY LED will flash once.

STOP or end-of-tape automatically cancels the SEARCH mode.

Note: CUE and REVIEW will not operate in the SEARCH mode.

Recordings

When recording, the record level is automatically set to give good and easy recordings from aux input (4) or microphone/s (2, 3). If you cannot record then please check that the safety tab on the top edge of your cassette has not been removed to protect the original recording. A cassette can be reused by sticking a piece of self adhesive tape over the hole.

Useful tips

- a. You may find when replaying a recording that a small amount of distortion may be heard at the start, especially when the signal to be recorded is strong. This can be reduced by allowing the automatic level control to settle before recording. Press the RECORD key and note that the indicator in the PLAY key flashes. Allow a few seconds for the level to settle. Press the PLAY key to start the recording.
- b. Reset the turns counter to zero whenever you wish to find the start of a recording or a position on the tape.

To Play a Recorded Cassette

Use TAPE VOLUME (10), BASS (11) and TREBLE (12) to adjust sound.

To Use Input Sockets

These inputs are connected together and therefore can be used as a simple mixer. You can connect two microphones and an input from another signal source together. Their overall volume is adjusted using INPUT VOLUME (9).

If you use two microphones it is important that they are of the same type or have similar characteristics to ensure similar volumes.

The BASS (11) and TREBLE (12) controls will affect the overall tone.

The INPUT VOLUME (9) is independent of the TAPE VOLUME (10) enabling the microphone(s) to be mixed and faded with the cassette playback.

Recordings may be made by following the instructions given in the Cassette Mechanism section. The position of TAPE VOLUME (10), BASS (11) and TREBLE (12) will not affect the recording which is automatically set.

To Use Autofade (5)

As you increase the sound level from the cassette using the TAPE VOLUME (10) you may find it difficult to make your voice heard with the microphone, even after increasing the INPUT VOLUME (9).

AUTOFADE is a variable control, triggered by the sound of your voice. It offers a progressive reduction of the tape playback level when you speak into the microphone. As you stop speaking, the tape level increases again - very useful for issuing clear commands or instructions.

In the anti-clockwise position, AUTOFADE is inactive. To activate, turn it clockwise until you achieve the degree of tape cutback to suit your environment and conditions.

A little practice may be required to obtain a good balance between your voice and the music output, though the benefits offered will make the practice very rewarding.

To Use Output Sockets (6-7)

The TAPE (6) socket will give you a fixed level signal from the cassette only.

The EXT. AMP (7) socket will give you a mixed variable level signal for feeding to external amplifiers or active loudspeakers.

To Use the Playback Pitch Control (8)

This varies the speed of the cassette from -25% to +10% (approx.) on playback only. During recording, the speed control is automatically overridden.

To Use External Keybank Socket (14)

This enables the cassette mechanism to be controlled using a remote keybank.

Using the Radio Microphone receiver

A radio microphone receiver is fitted only to the 2085/W model.

The radio microphone is passively mixed with the microphone and aux sockets (2, 3 & 4).

Using a Coomber Handheld radio microphone

1. Extend aerial (15) on the 2085/W fully.
2. Switch on the microphone using the switch fitted in the base. A red indicator light will glow to indicate that the microphone is operating correctly.

If the light does not glow, check the condition of the battery and replace if necessary.

3. Depress the radio mic switch (1) and adjust volume to suit.

Using a Coomber Lapel or Headband radio microphone

The lapel and headband microphones both use a bodypack in which a transmitter is fitted. Begin by connecting the microphone and aerial provided in the kit to the bodypack.

1. Extend aerial (15) on the 2085/W fully.
2. Switch on the microphone at the bodypack. A red indicator light will glow to indicate that the transmitter is operating correctly.

If the light does not glow, check the condition of the bodypack battery and replace if necessary.

3. Depress the radio mic switch (1) and adjust volume to suit.

Interference: Good Practice

It is always possible to pick up interference from nearby radio transmitters while the radio microphone receiver is switched on but unused - especially if the radio mic itself is switched off. It is therefore good practice to switch off the radio microphone receiver (12), if the radio mic is not being used.

Acoustic Feedback

Feedback will occur when a microphone picks up sound from the loudspeaker. This is usually due to the volume being too high and/or the microphone being too near to the equipment.

PREVENTING FEEDBACK

1. Make sure the microphone is switched off before switching the system on.
2. Ensure that the **VOLUME** (13) is turned down (anti-clockwise) to its lowest position.
3. Switch on the microphone.
4. Gradually turn up the **VOLUME** (13) until feedback just starts to occur (you should hear a whine noise) and then turn the volume down a little until you can no longer hear the feedback. You might have to experiment with the volume control to get optimum results.

Note: Some microphones are not designed for Public Address and further advice may be needed.

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.

- 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

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 25168/9 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 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.

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- 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.