

### Power From Mains

Connect the Mains supply and the red power indicator (4) will light.

### Power from Rechargeable Battery

(Models 3011/RCH & 3011/RCH/T)

If the rechargeable battery is fitted, charging is automatic when Mains is connected. It cannot be overcharged.

When the rechargeable battery is low, the power light (4) will flash. The battery must be charged for approximately 6 to 8 hours to reach full charge. The rate at which this battery discharges is dependent on its original state, volume setting and use of cassette mechanism (rewind/fast forward requires more power).

**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.

### Important Information for Immediate Use

If after you have connected the equipment to the Mains and it is switched on but does not work satisfactorily, a quick check on the following points may help:

#### i. Hissing sound or poor reception:

- Have you extended the telescopic aerial to its maximum and positioned it for best reception?
- Have you adjusted the FM/VHF preset tuners to your area transmitter?
- Are you in a poor reception area and do you need an external aerial?
- Is the aerial plug for the telescopic aerial connected to the socket on the back?
- If the station switch is at MW, then check that the 3 position selector switch on the back is either at 693 or 909kHz to give you the best sound.
- For radio, the tape/radio switch (1) must be "in". To play a tape, this switch must be "out" and the play key pressed on the cassette mechanism.
- On battery use, the batteries may be low.

#### ii. No sound from tape or radio

- If a timer is fitted, is function switch (12) set to position "OFF" for normal use?
- Is pause button on cassette mechanism pressed?

### Cassette Mechanism

The cassette mechanism is a 'ONE TOUCH RECORD' with Cue and Review on playback and full Autostop giving key reset and motor stop at end of tape on all functions.

**NOTE:** (i) It is important to keep the pinch wheel and heads clean in the usual manner to ensure good trouble free performance.

### To Play a Recorded Cassette

- Switch timer to 'off' position (suffix /T models only).
- Ensure that tape/radio button (1) is "out".
- Press play key, adjust volume control (2) and tone control (3) as required.

### To Use as an FM/VHF Radio

Prior to this, it is essential that the tuning instructions for the 5 preset FM/VHF tuners have been carried out, otherwise poor sound or continual hissing may be heard. Lay the equipment on its side, the instructions are found on a removable panel covering the tuners. (In a poor reception area you may need to connect an external aerial).

- The telescopic aerial should be extended to its maximum and positioned for best performance.
- The tape/radio switch (1) should be pressed to "in" position, correct station selected (6) and volume (2) and tone (3) adjusted to suit.

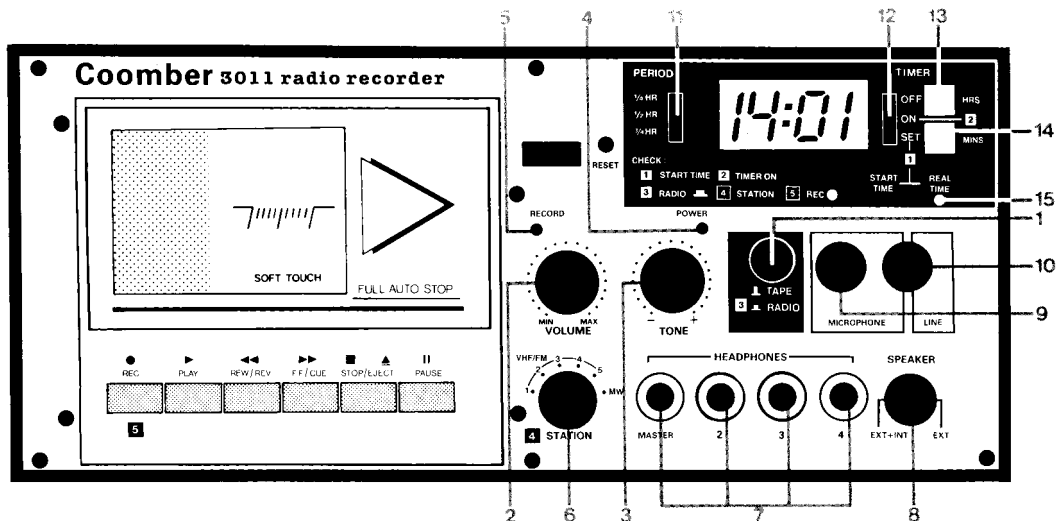
### To Use Medium Wave (MW)

- Select MW position on station selector switch (6) found on main control panel.
- On the back is a 3 position switch offering 693, 909 and 648 kHz MW.

**note:** There may be electrical interference from computers, televisions or monitors, CD players, fluorescent tubes and other electrical apparatus. Reception may be improved by:

- Rotating equipment for best reception.
- Physically moving equipment to a new position.

Please consult your Schools' Radio Programme Guide for information on frequencies.



### To Record the Radio

Follow paragraph 6 and 7, insert a cassette and press the Record button. You can set the volume and tone controls to any position without affecting your recording.

### To Use Mic/Line Input Sockets (9) & (10)

To use either of these sockets it is essential that the tape/radio switch (1) is "out".

- For microphone record, connect microphone to either sockets (9) and (10) and press record key.
- For line input record, connect "line in" to socket (10) only and press record key.

### To Use Output Socket (10)

This socket can provide a low level output from cassette playback or radio.

### Headphone Sockets (7)

Up to 4 pairs of Mono or Stereo headphones may be connected. Connecting a pair to the master socket automatically disconnects the internal loudspeaker.

### Operation of Timer (3011/T & 30111/RCH/T)

#### i. To use equipment independently of Timer

Position Timer switch (12) in "OFF" position.

#### ii. To use Timer for recording

- Ensure equipment is switched on and correct station is selected. You should be able to hear the station clearly (check Timer switch (12) is in "OFF" position).

- Set the PERIOD switch (11) to the required recording period 1/4hr, 1/2hr or 3/4hr.
- Set Start Time by positioning the Timer Switch (12) to "SET". Set Start Time using Hrs (13) and Mins (14) buttons.
- Return Timer switch (12) to "ON". Press record button and ensure pause button is not pressed.

### External Loudspeaker Socket (8)

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

### To expand your 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/mono headphones at special package prices. Telephone or write for details.

### To set REAL Time

This generally only needs to be reset for Summer and Winter time changes.

- Set Timer switch (12) to "SET".
- Insert match stick into the hole marked "REAL Time" (15).
- Set correct time using Hrs (13) and Mins (14) buttons.
- Remove match stick and return Timer switch (12) to "OFF".

## 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  $\square$  - 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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- 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.