

Fig.1. 2100

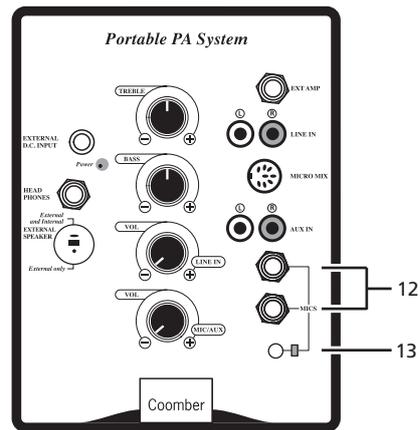


Fig.2. 2100/UHF

Setting Up

Plug appliance into a mains socket. Turn on the 2100 using the switch on the side of the case. The red LED (2) will illuminate.

Using an external D.C. power source

Socket (1) allows connection to an external DC supply of 12 to 24 volts. The "Power" light (2) near the socket will glow if the polarity is correct. Always disconnect the DC source when not in use.

The Coomber 1959 rechargeable battery, fitted with fused lead and connector is suitable for use with this model. A battery charger, Coomber 1958, should be used to recharge the battery as necessary.

Sound Output

The Coomber 2100 offers high quality sound from its internal amp and speaker. An extension speaker (model 411) can enhance performance.

The extension speaker may be connected directly to the reversible speaker socket (4). The socket allows sound to come from both the external and internal speaker or, from the external speaker(s) only.

Power Ratings

240v	12v	24v
30w	10w	37w

Ratings quoted in Watts RMS using 4 ohm load.

Volume

Both models have separate volume controls for the line input (5) and the microphone/aux inputs (6). Set volumes for each as desired.

PREVENTING FEEDBACK

1. Make sure the microphone is switched off before switching the system on.
2. Ensure that the **INPUT VOLUME** (6) is turned down (anti-clockwise) to its lowest position and switch on the microphone.
3. Gradually turn up the **INPUT VOLUME** (6) 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 input volume to get optimum results.

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

Headphones

Connecting headphones (3) disconnects the internal loudspeaker.

Always turn the volume down to the lowest setting before connecting and using headphones. **Turn the volume controls up only once the headphone wearer is ready to begin listening.**

Output

The external amplifier socket (7) provides a low level mixed output. A suitable connecting lead allows a 2185 or 2186 Coomber booster speaker to enhance the volume of the 2100 models by 160W. Booster speakers may be "daisy chained" together for further increases in volume.

Inputs

The 2100 includes stereo line input (8), auxiliary input (10), and three microphone sockets (11) which can all be used at one time.

Line input (8) is adjusted by the "Line In Volume control (5). The auxiliary (10) and mic inputs (11) are controlled by the "Mic/Aux Volume control (6).

2100/UHF

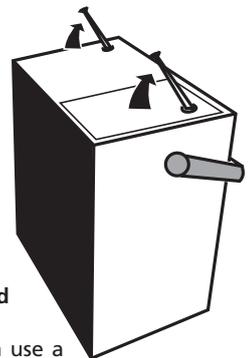
The 2100/UHF model incorporates an internal receiver for use with handheld, lapel or headband type wireless microphones operating on a fixed frequency. In all other respects operation of this equipment is exactly the same as on the 2100 model.

"Hard wired" microphones may be used in conjunction with the radio microphone. Connect them to either mic input (12).

Alternatively, further radio microphone systems such as the Coomber Diversity systems can also be used alongside the integral radio microphone provided that they are of a different frequency. Please feel free to phone for advice if required.

Using the Coomber 1810 Handheld radio microphone

1. Raise both aerials vertically (shown right).
- 2a. **Using Coomber 1810 Handheld radio mic**
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 microphone battery and replace if necessary.

- 2b. **Using Coomber 1812 Lapel / 1813 Headband radio mic and 1986 Bodypack Transmitter**
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.

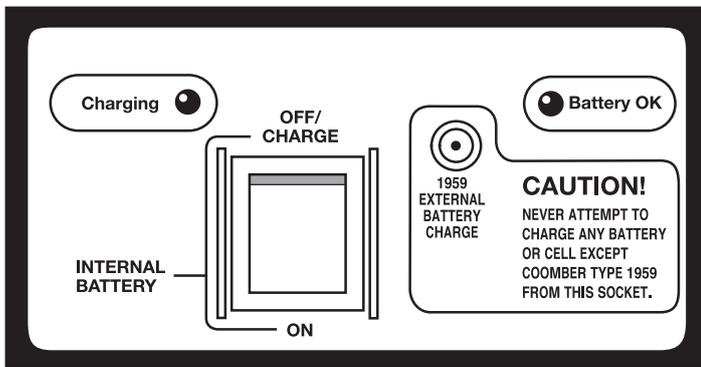
Switch on the microphone at the bodypack. A red indicator light will glow to indicate that the transmitter is operating correctly.

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

3. Depress the radio mic switch (13) on the top panel. A green indicator next to the switch will glow to confirm that the radio receiver is operating. Use the microphone and adjust volume to suit using the input volume switch (6).

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 (13), if the radio mic is not being used.



Internal Rechargeable Battery (Optional)

The 2100/R and 2100/R/UHF models incorporate a rechargeable battery and battery charger circuit allowing them to be used away from a mains power source. A panel located on the side of the unit controls battery use.

When fully charged, the **Battery OK** light will illuminate when the **INTERNAL BATTERY** switch is switched on. When the **Battery OK** light flashes, the battery requires charging.

To charge the battery, simply plug the 2100/R into the mains and switch on the Mains switch - the **POWER** light (9) will illuminate on the top panel. Ensure that the **INTERNAL BATTERY** switch is switched to **OFF/CHARGE**. The **Charging** light will illuminate and remain on until the battery is fully charged. The light will then extinguish.

To maximise battery life, never let the battery become fully discharged. Recharge it as soon as the **Battery OK** lamp begins flashing.

The battery panel also incorporates a Roka connector, allowing one Coomber 1959 battery to be recharged at a time.

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 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.