

# CLOCKAUDIO®

## LINE LEVEL PRE AMPLIFIER CAP002

The Unit is designed for use with electret condenser microphones and is factory set for 24-volt operation and Line Level Output.

### Connections:

Microphone: Connect Phase + (Hot) to screw terminal 3 on connector "PL2"  
Connect Phase - (Cold) to screw terminal 4 on connector "PL2"

AC 24v or DC 12-24v connect +ve to screw terminal 1 on connector "PL2"  
connect -ve to screw terminal 2 on connector "PL2"

Output connections "PL1":  
Screw terminal 3 = Phase + (Hot)  
Screw terminal 2 = Phase - (Cold)  
Screw terminal 1 = Ground

If more headroom is required to avoid microphone distortion the resistor R5 should be changed:

1K	as supplied gives minimum headroom
2K	gives approximately 6 dB more headroom
3.9K	gives approximately 12 dB more headroom
18.2K	gives approximately 18 dB more headroom
100K	gives maximum headroom (microphone level)

This unit can also be used for Phantom Power Operation through the microphone cable. No separate power connections should be made, the red jumpers on the headers "JP1" and "JP2" on the circuit board should be repositioned from "B" to "A", and the resistor R5 changed to 100K.

