



A Division of SCARECROW BIO-ACOUSTIC SYSTEMS LIMITED

USING C98 MICROPHONE

C98 microphone incorporate moving coil capsules and are suitable for direct connection to the host amplifier microphone input.

There are three flexibles to connect to your host amplifier:

XLR VERSIONS/INPUTS

GREEN :	Screen	PIN 1
RED :	Capsule Output	PIN 2
BLUE :	Capsule Output	PIN 3

TYPICAL PERFORMANCE DATA

Sensitivity	:	Suitable for all amplifiers with at least 500 mV (0.5mv) switching
Impedance	:	600ohms
Characteristics	:	Polar diagram approximates to cardioid
Frequency response	:	$\pm 6db$: 100 Hz to 12 KHz

ENSURE THAT THE GOOSENECK IS 'GROUNDED' TO YOUR CHOSEN BASE ON ASSEMBLY.

CT Manuals/C98

PO Box 66, Uckfield, East Sussex, TN22 3ZR, England
Telephone: +44(0) 1825 766363 Fax: +44(0) 1825 766361 UK Freephone: 0800 917 8488
E-mail: sales@communication-technology.co.uk Website: www.communication-technology.co.uk

REGISTERED IN ENGLAND NO. 01568506 VAT REGISTRATION NO. GB680 0269 46
REGISTERED OFFICE: 8 LONSDALE GARDENS, TUNBRIDGE WELLS, TN1 1NU





A Division of SCARECROW BIO-ACOUSTIC SYSTEMS LIMITED

USING C100 MICROPHONES.

This microphone is fitted with an ELECTRET capsule with F.E.T. pre-amplifier and requires a d.c. polarizing voltage to make it operate. This could be phantom supplied from the host amplifier or from an external source.

There are three flexibles to connect to your host amplifier:

XLR VERSIONS/INPUTS

GREEN :	Screen	PIN 1
RED :	Polarizing voltage POSITIVE and Audio	PIN 2
BLUE :	Ground, NEGATIVE, and Audio	PIN 3

The polarizing voltage can be in the range 12V and 24V d.c.; microphone sensitivity will marginally increase with applied voltage.

Please refer to the host amplifier manufacturer/supplier if the provided polarizing voltage is in excess of 24V

TYPICAL PERFORMANCE DATA

Sensitivity	:	-65dB ± 3dB
Impedance	:	600 R
Frequency response	:	100Hz to 12KHz
Current drain	:	less than 400uA
Signal to noise ratio	:	better than 50 dB

ENSURE THAT THE GOOSENECK IS 'GROUNDED' TO YOUR CHOSEN BASE ON ASSEMBLY.

EXTERNAL POWERING

If no phantom power/polarizing facility is available from the host amplifier an external source may be used. Insert a 10µf Tantalum capacitor in series with the RED lead (XLR PIN 2) to isolate the applied external d.c. from the amplifier input; provide the d.c polarizing voltage to the microphone side of the capacitor via a 1KO resistor in series.

The external d.c. negative will be applied to the BLUE lead (XLR PIN 3).

CT Manuals / C100

PO Box 66, Uckfield, East Sussex, TN22 3ZR, England
 Telephone: +44(0) 1825 766363 Fax: +44(0) 1825 766361 UK Freephone: 0800 917 8488
 E-mail: sales@communication-technology.co.uk Website: www.communication-technology.co.uk

REGISTERED IN ENGLAND NO. 01568506 VAT REGISTRATION NO. GB680 0269 46
 REGISTERED OFFICE: 8 LONSDALE GARDENS, TUNBRIDGE WELLS, TN1 1NU

