CC-300 / CC-400 Headsets

CC-300
Single-ear Headset

CC-400
Double-ear Headset

The CC-300 (single-ear) and CC-400 (double-ear) headsets feature high ambient-noise attenuation headphones and hyper-cardioid dynamic microphones that provide high quality audio.

KEY FEATURES AND BENEFITS

- High-quality dynamic hyper-cardioid microphone
- High ambient-noise attenuation headphones
- 40Hz - 20kHz frequency response
- Soft padded ear pads and headband construction
- Flexible gooseneck microphone positioning
- Boom rotation On/Off switch for quick microphone muting
- Serviceable construction: cable, microphone boom and earpads can be easily changed
- Interchangeable cabling for easy connector changing and repair
- Ear socks and storage bag included

FULLY ADJUSTABLE

The CC-300 and CC-400 headsets can be easily adjusted to accommodate the preference of any user. The microphone boom has a 300° rotation to allow the microphone to be worn on the left or right side of the head. Users can make the headset larger or smaller by using the slide adjusts on either side of the headband. Cushioned with super-soft padding, the around-the-ear headphones are able to adjust to provide a better fit for users. A flexible, pivotable gooseneck is included for optimal positioning.

INTEGRATED MUTE SWITCH OPERATION

Unlike other Clear-Com headsets, the CC-300 and CC-400 headset microphones can be turned on and off by moving the microphone boom. To turn ON the microphone, pull the boom gently downwards (past the 10 o'clock/2 o'clock position). To turn the microphone OFF, push the boom gently upwards (above the 10 o'clock/2 o'clock position).

INTERCHANGEABLE CABLING

The CC-300 and CC-400 headsets have been designed so that the cabling and connector type can be adapted quickly to the application. Both headsets are supplied with a standard 4-pin female XLR connector. Users can order cables with different XLR connector choices and appropriate pin-outs. To change the connector cable in the field, simply disconnect the cable from the headset and exchange the cable with a standard Phillips screwdriver. The same process can be used to repair and replace a damaged cable on the fly.

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TECHNICAL SPECIFICATIONS

Headphone

Type:	Closed-back
Driver:	40mm diameter, neodymium magnet, copper-clad aluminium wire voice coil
Frequency Response:	40Hz - 20kHz

Microphone

Element:	Dynamic
Polar Pattern:	Hyper-cardioid
Frequency Response:	300Hz - 20kHz

Sensitivity

Open Circuit Sensitivity:	-61.0 dB ±3.5 dB; at 1kHz, typical
CC-300:	102 dB ±3 dB; at 1kHz typical
CC-400:	98dB ±3 dB (SPL); at 1kHz typical

Impedance

CC-300 Headphone:	400 ohms ±30%; at 1kHz typical
CC-400 Headphone:	200 ohms ±30%; at 1kHz typical
Microphone:	200 ohms ±30%; at 1kHz typical

Connector

Cable:	5ft (1.55m) long with 8-pin connector at headset end; 4-pin Female XLR

Environmental

Dimensions

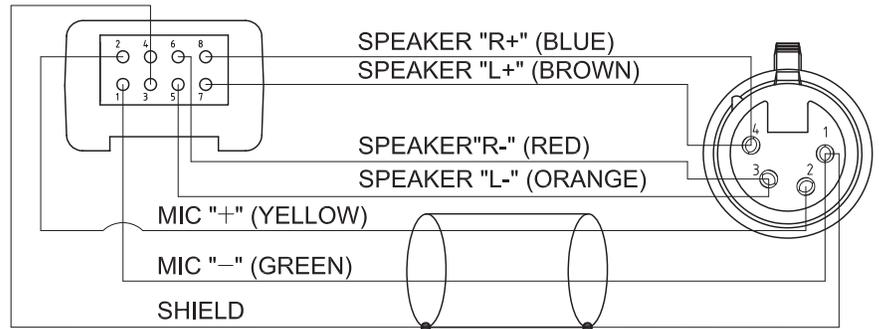|	
Packaging for CC-300 and CC-400:	4.8 in W x 13 in H x 10.43 in D (122mm x 330mm x 265mm)

Weight

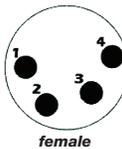|	
CC-300:	8.6oz (245g) without 8-pin cable assembly and M3*18mm SCREW
CC-400:	11.1oz (315g) without 8-pin cable assembly and M3*18mm SCREW

PART NUMBER OPTIONS

PART # ENDING	CONNECTOR
-X4	4-Pin Female XLR
-X5	5-Pin Male XLR
-X6	6-Pin male XLR (balanced mic)
-X7	7-Pin Female XLR
-Y5	5-Pin Female XLR
-B6	No Connector

WIRING DIAGRAM FOR CONNECTOR PIN-OUTS

SPEAKER "R+" (BLUE)
SPEAKER "L+" (BROWN)
SPEAKER"R-" (RED)
SPEAKER "L-" (ORANGE)
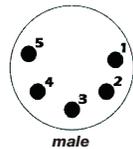MIC "+" (YELLOW)
MIC "−" (GREEN)
SHIELD

PIN-OUT CONFIGURATIONS AVAILABLE FOR CC-300 AND CC-400 HEADSETS
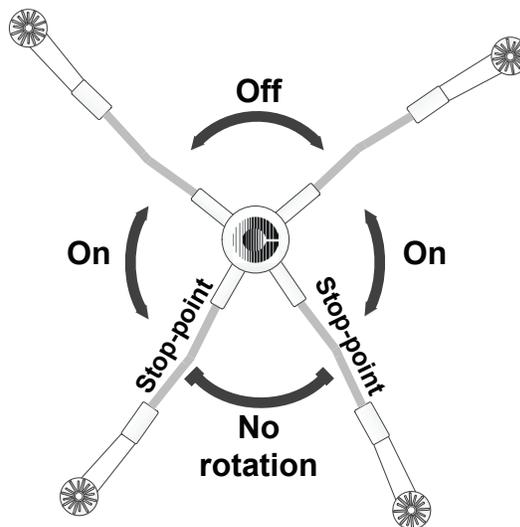
4 pin XLR — female

5 pin XLR — male / female

6 pin XLR (Switchcraft compatible, non standard) — male

7 pin XLR — female
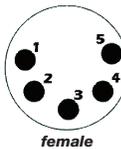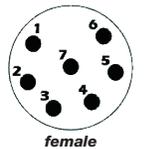
MICROPHONE BOOM ROTATION SWITCH

Off
On
On
Stop-point
Stop-point
No rotation

MICROPHONE POLAR RESPONSE

Polar Pattern
1 kHz
Scale is 5 decibels per division.
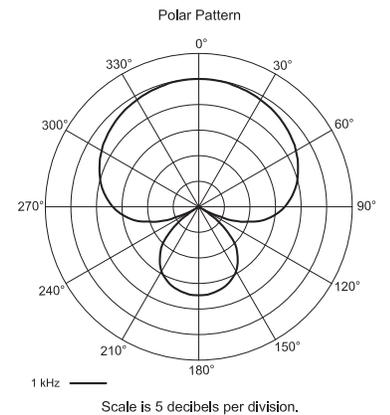
Notice About Specifications

While Clear-Com makes every attempt to maintain the accuracy of the information contained in its product manuals, that information is subject to change without notice. Performance specifications included in this manual are design-center specifications and are included for customer guidance and to facilitate system installation. Actual operating performance may vary.

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