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Clear-Com CC-110-X5

Clear-Com CC-110-X5 Single On-Ear Headset Instruction Manual

Model: CC-110-X5 | **Brand:** Clear-Com

1. INTRODUCTION AND OVERVIEW

This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your Clear-Com CC-110-X5 Single On-Ear Headset. The CC-110-X5 is a premium lightweight headset designed for professional communication, featuring high-performance headphones and a cardioid dynamic microphone for clear audio transmission and reception.

The headset's flexible design ensures comfort during extended use, and it includes options for both soft leatherette and foam ear pads to suit individual preferences.



Figure 1: Clear-Com CC-110-X5 Headset. This image shows the headset with its single ear cup, adjustable headband, and microphone boom.

2. PRODUCT FEATURES

- **Single On-Ear Design:** Allows for situational awareness while providing clear audio.
- **High-Performance Headphones:** Delivers excellent audio fidelity for monitoring.
- **Cardioid Dynamic Microphone:** Captures voice clearly while minimizing background noise.
- **5-Pin Male XLR Connector:** Standard professional audio connection.
- **Lightweight and Flexible Design:** Engineered for comfort during prolonged use.
- **Interchangeable Ear Pads:** Includes both soft leatherette and foam ear pads for user preference.
- **Retractable Cable:** For convenient storage and management.

3. SETUP INSTRUCTIONS

3.1 Connecting the Headset

1. Locate the 5-pin male XLR connector at the end of the headset cable.

2. Identify the corresponding 5-pin female XLR input on your intercom system, audio mixer, or compatible device.
3. Align the pins and firmly insert the headset connector into the device's input until it clicks securely into place.

3.2 Adjusting the Headset for Comfort

1. **Headband Adjustment:** Gently extend or retract the headband slides on both sides to fit your head comfortably. The ear cup should rest securely on one ear.
2. **Microphone Boom Positioning:** Pivot the microphone boom arm to bring the microphone capsule approximately 1-2 inches (2.5-5 cm) from the corner of your mouth. Ensure the microphone is positioned to pick up your voice directly.
3. **Ear Pad Selection:** The headset comes with both leatherette and foam ear pads. To change, gently peel off the installed ear pad and press the desired ear pad onto the ear cup, ensuring it is securely attached around the rim.



Figure 2: Headset with Foam Ear Pad. This image shows the headset with the foam ear pad installed, offering a different comfort option.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- Once connected, ensure your audio device (intercom, mixer) is powered on and configured for the headset input.
- Adjust the volume on your connected device to a comfortable listening level.
- Speak clearly into the microphone. The cardioid pickup pattern is designed to focus on your voice, so proper microphone positioning is crucial for optimal performance.

4.2 Microphone Muting (if applicable)

The CC-110-X5 headset itself does not feature an integrated mute button. Muting functionality is typically controlled by the connected intercom system or audio device. Refer to your device's manual for specific instructions on microphone muting.

5. MAINTENANCE

5.1 Cleaning

- **Ear Pads:** Gently wipe ear pads with a soft, damp cloth. For leatherette pads, a mild soap solution can be used, followed by wiping with a clean, damp cloth. Allow to air dry completely before use. Foam pads can be carefully removed and hand-washed with mild soap, then thoroughly rinsed and air-dried.
- **Headset Body:** Use a soft, dry cloth to wipe down the headband and ear cup exterior. Avoid using harsh chemicals or abrasive cleaners.
- **Microphone:** Carefully wipe the microphone windscreen with a dry or slightly damp cloth. Do not saturate the microphone capsule.

5.2 Storage

Store the headset in a clean, dry environment away from extreme temperatures and direct sunlight. Avoid coiling the cable tightly to prevent damage. Utilizing a headset bag or case can help protect it from dust and physical damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio from headphones	Headset not fully connected. Volume on connected device is too low or muted. Connected device is off or misconfigured.	Ensure the 5-pin XLR connector is securely seated. Increase volume on the connected device. Check power and settings of the connected audio equipment.
Microphone not transmitting audio	Microphone boom not positioned correctly. Microphone input on connected device is muted or gain is too low. Faulty cable connection.	Adjust microphone boom to be 1-2 inches from your mouth. Check microphone settings and gain levels on the connected device. Ensure XLR connector is secure. Try a different cable if available.
Poor audio quality (static, distortion)	Loose connection. Interference from other electronic devices. Input gain on device is too high (causing distortion).	Verify all connections are secure. Move headset or connected device away from potential sources of interference. Reduce input gain on the connected device.

If you continue to experience issues after attempting these troubleshooting steps, please contact Clear-Com customer support or your authorized dealer for further assistance.

7. SPECIFICATIONS

Model Number	CC-110-X5
Brand Name	Clear-Com
Connectivity Technology	Wired
Headphone Jack	XLR (5-pin male)
Headphones Ear Placement	On Ear
Audio Driver Type	Dynamic Driver
Frequency Range	20 Hz - 20,000 Hz
Microphone Type	Cardioid Dynamic
Additional Features	Lightweight, Microphone Included
Compatible Devices	Music Production Equipment, Laptops, Desktops (with appropriate XLR interface)
Cable Features	Retractable
Color	Black
Product Dimensions	10 x 6 x 9 inches (25.4 x 15.24 x 22.86 cm)
Item Weight	0.34 Kilograms (11.99 ounces)
UPC	642892783847

8. WARRANTY AND SUPPORT

Clear-Com products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions applicable to your CC-110-X5 headset, please refer to the warranty information provided with your purchase or visit the official Clear-Com website.

For technical support, service, or inquiries regarding your headset, please contact Clear-Com customer service directly. Contact information can typically be found on the Clear-Com official website or through your authorized dealer.

Online Resources: www.clearcom.com