Encore™ Partyline System U-Box Enclosure

Quick Start Guide

The U-Box is a portable, sturdy enclosure for Clear-Com's KB Speaker Stations. It can be used equally to support portable deployment or various surface mounting requirements of KB Speaker Stations. A Mounting Bracket is provided for optional angles in desktop and wall mounting while supporting attachment to third party VESA 75 mounts. The U-Box Enclosure is available in three versions to accommodate different wiring requirements:

- U-Box-X3 – Includes a pass-through male and female 3-pin XLR for single channel intercom use.
- U-Box-X6 – Includes a pass-through male and female 6-pin XLR for dual channel intercom use.
- U-Box-RJ45 – Includes an etherCON RJ45 and a bayonet DC power connector to accommodate the optional EB7-4W four-wire adaptor daughterboard.

Installing the KB Speaker Station in the U-Box Enclosure

Use the Speaker Station mounting screws to install the Speaker Station to the U-Box.

Wiring

The U-Box Enclosure comes pre-wired ready to connect to the KB Speaker Station or optional EB daughterboard depending on which U-Box variant has been ordered.

U-Box-X3 – Single Channel

The 3-pin male and female XLR connectors on the side of the U-Box are wired in parallel, which means the station can be series-connected in a cable run with other Clear-Com stations. Typically, the female connector connects to the cable running from a main station or power supply and the male connector connects to other stations.

> **Note:** The U-Box-X3 connector harness wires Dual channel KB to Channel B of the intercom line for single channel KB compatibility. Moving the pin 3 wire to pin 2 of the terminal block connector wires the intercom line to Channel A on dual channel KB.

U-Box-X6 – Dual Channel

The 6-pin male and female Switchcraft -style XLR connectors on the side of the U-Box are wired in parallel, which means the station can be series-connected in a cable run with other dual channel Clear-Com stations equipped with 6-pin connectors. Compatible devices and accessories include the RS-702 beltpack, IC-25-2P, IC-50-2P and IC-100-2P dual pair cables as well as the YC-36 adaptor which splits the 6-pin connector into a 3-pin XLR female connector for each channel.

U-Box-RJ45 – Four Wire for use with EB7-4W

The etherCON RJ45 connector on the side of the U-Box is wired to connect to the internal EB7-4W option module and a generic external 4-wire device. A Power connector and wiring are provided for use with the external power supply (Part Number: PSU-EXT-003) which must be ordered separately.

To connect the station, plug the terminal block onto the pins on the station / daughterboard circuit board. All internal levels, jumpers or dip switches must be set according to the relevant User Guide before securing it in the U-Box Enclosure.

Installing the Optional Mounting Bracket

To use the U-Box at an angle, place the U-Box onto the Mounting Bracket and fix using the two mounting bracket screws.

U-Box on Horizontal Surfaces

For angled desktop use, the Speaker Station is installed in U-Box, and placed in the angled mounting bracket (Figure 1). For non-angled use, the Speaker Station is simply installed in the U-Box and positioned on a horizontal surface (Figure 4).

U-Box on Vertical Surfaces

The Speaker Station is installed in the U-Box, and the box is mounted to the wall using the keyhole slots on the rear of the enclosure (Figure 5) or on the rear of the mounting bracket. When installed in the mounting bracket, the U-Box can be angled for mounting at different wall heights. (Figure 2 and Figure 3).

Note: When installing on a wall, ensure that the screws are secured to support the weight. If required, use screw anchors.

Third Party VESA Adapters

The U-Box includes mounting features for commonly available third party VESA 75 mounts with two mounting points for M4x10mm screws (Figure 6).
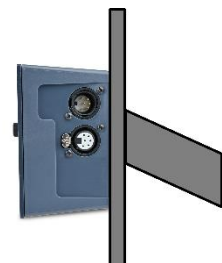
Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

Note: For use with GN Series gooseneck microphones:
- U-Box on the Mounting Bracket with the GN-9 microphone is fully supported.
- U-Box without the Mounting Bracket with the GN-9 microphone can be unstable.
- U-Box cannot support the weight of the GN-18 microphone without additional balance weight or fasteners.

Parts list

Description	Part Number	Description	Part Number
Speaker Station Mounting Screws	280038Z-SP	3-Pin XLR Single Channel Wiring Harness	T40095-1-SP
Mounting Bracket Screws	SCR-00091-SP	6-Pin XLR Dual Channel Wiring Harness	T40096-1-SP
U-Box Mounting Bracket	MECH-00246-SP	C-Bracket XLR Holder for 3- and 6-pin Wiring Harnesses (4-40)	MECH-00248-SP
Terminal Block Connector	210085Z-SP	C-Bracket Power Jack Holder (4-40)	MECH-00248-2-SP
Rubber Feet	240176Z-SP	Screw to fasten 3-pin and 6-pin XLR Wiring Harnesses (4-40)	SCR-00028-SP
RJ45 Panel Mount Receptacle	193G091-SP	Power Jack Panel Cover	203G003-SP
Power Jack to 2-pin Terminal Block Cable	115G483-SP	RJ45 to 5-pin Terminal Block Cable	115G482-SP

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