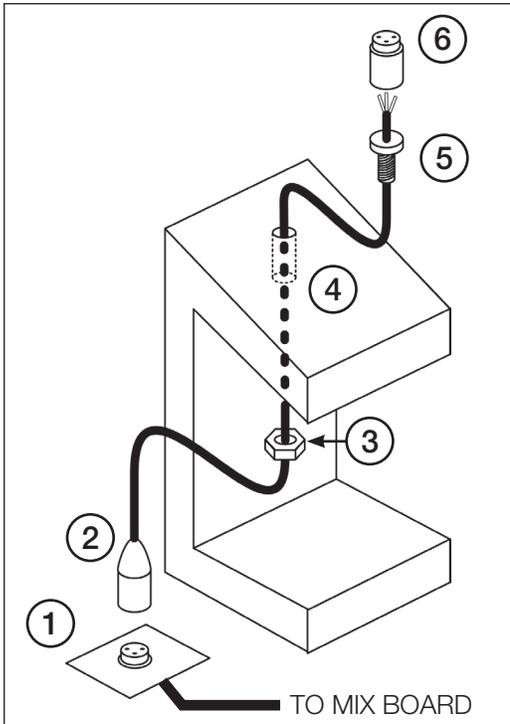# ISOMAX 4RF Mount (A4CDM) Installation Guide

Because of the Countryman ISOMAX 4RF's Active Vibration Isolation technology, the ISOMAX 4RF does not require a bulky shock mount to protect against handling and table noise. The A4CDM is our simple, low-profile mount for desks or podiums. The A4CDM mounts with a single hole; these instructions will help you securely install the A4CDM in a matter of minutes.

TO MIX BOARD

1. Plan Your Installation

The diagram to the left shows a typical podium installation:

• A cable runs from the mix board in the control room to a panel in the floor near the podium (1).

• The male side of a short XLR cable (2) runs from the floor panel through the nut (3), then through a 7/16" hole in the top of the podium (4), then through the lower half of the A4CDM (5), and finally the wires are soldered into the upper half of the A4CDM mount (6).

• The lower half of the A4CDM screws on to the upper half of the A4CDM.

• The nut screws on to the lower half of the A4CDM, clamping the A4CDM firmly in place.

2. Prepare your tools

You will need:

• An XLR cable long enough to reach the mix board or nearest audio port.

• A soldering iron and soldering supplies.

• Wire strippers / cutters

• A 9/16" or adjustable wrench

• A drill and a 7/16" drill bit.

• Electrical tape OR heat shrink and a heat gun or torch.

You may also want to have:

• A multimeter to test for shorts or breaks in your wire and solder joints.

• Pliers, tweezers, or other tools to aid in soldering

XLR cable

soldering iron and supplies

wire cutters and strippers

9/16" or adjustable wrench

drill and 7/16" drill bit

electrical tape or heat shrink

(optional) multimeter
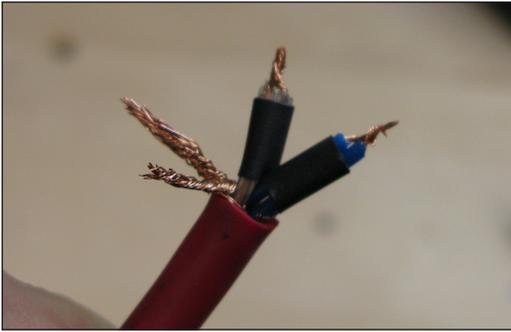

(optional) tweezers/pliers

3. Prepare the wire

• Remove the female end of the cable and cut back the outer insulation

• Strip the ends of conductor wires and twist each pair together.

• Twist the shield wires into two bunches: one will usually go to Pin 1 of the XLR cable, and the other will go to the tab connected to the outer shell of the connector. Be careful not to leave any stray strands which could create shorts later.

• If you are using heat shrink, place it on the conductor wire pairs.

4. Drill the 7/16" hole

The hole should go completely through the top of the table or podium.

5. Feed the wire through the nut

6. Feed the wire through the hole and the lower half of the A4CDM

7. Solder the wires to the terminals in the top half of the A4CDM

Check the wiring in the male connector of your XLR cable to make sure you match.

Poor soldering or loose wires at this stage can lead to electrical shorts which can be hazardous and will cause pops, crackle, or intermittent loss of audio after assembly. Keep the wires as short as possible and use heat shrink or electrical tape to insulate them from each other and from the outer shell. Note that using too much electrical tape will prevent the A4CDM from closing. Contact a professional installer if you are not completely comfortable with soldering.

8. Assemble the A4CDM

Screw the threaded rod firmly into the lower half of the A4CDM. Hold the upper half of the A4CDM, slide the lower half along the cable and screw it into the upper half. The cable should not rotate as you turn the lower half of the A4CDM, and the A4CDM should close securely. The most common reasons for the A4CDM not closing are too much electrical tape or wires which are too long.

9. Slide the A4CDM through the hole

This is a good time to rotate the A4CDM to face the desired direction. Usually you will want the release latch to face the presenter.

10. Tighten the nut

Hold the A4CDM in place and tighten the nut on the underside of the table until the A4CDM is completely secure.