

## **How to Wire the DMX512 Universal Pixel Decoder to a 3- or 5-Pin XLR Cable**

The DMX512 Universal Pixel Decoder requires that you use the bare wire ends of a cable for the DMX output and input. This can be easily accomplished by following the directions below. Please note that the wire colors will be dependent on the cable you use, and may not match those shown in the images below.

1. Select a cable to use. It should be 3-Pin XLR on one end if you wish to connect your universal pixel decoder to the SLESA, and 5-Pin XLR if you wish to connect your universal pixel decoder to a MADRIX PLEXUS or LUNA. In the images below, a 3-Pin XLR to RJ45 and a 5-Pin XLR to RJ45 were used.



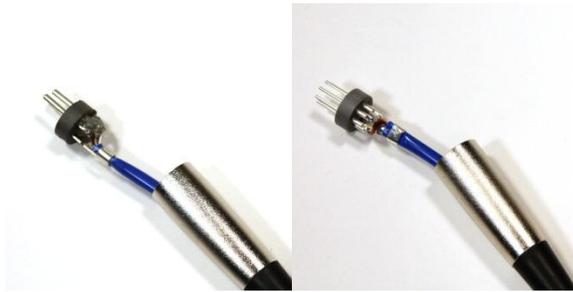
2. Cut the end you will not be using off of the cable, as indicated by the red line below.



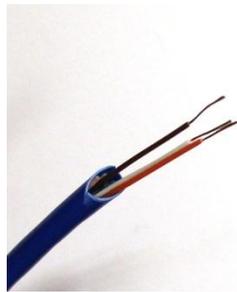
3. Remove an inch or so of the outer sheathing to expose the wires inside, as shown below.



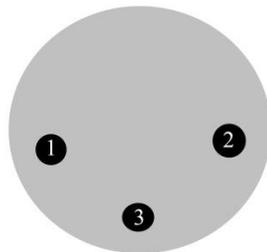
4. Returning to the XLR end of the cable, remove the screw at the top of the XLR connector. Push the XLR connector out, so you can see which color wire is attached to each pin. Alternatively, you can use an ohm meter to check for resistance between each pin and wire tip.



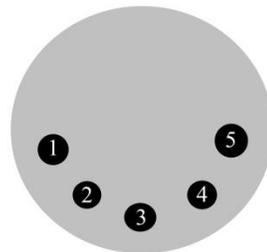
5. Strip the three wires that are connected to the pins.



6. Referring to the exposed pins from step 4, as well as the diagram below, determine which wire is Ground (Pin 1), Data- (Pin 2), and Data+ (Pin 3). Pins 4 and 5 may or may not have wires soldered on, but either way will not be used.



3-Pin XLR Pin Out (Front View)



5-Pin XLR Pin Out (Front View)

7. Wire into your DMX512 Universal Pixel Decoder.

