

# Read the following note on XLR cables:

A note on the XLR jack connections.... 3 pin XLR jacks are used for the power input and the firing button; and I have discovered a possible safety concern when using extension cables with these jacks. Many pre-made XLR cables have the shield connected to pin 1 of the jack, pin 1 is used as the common in the audio cables. Using a XLR cable with pin 1 connected to the outer shell of the jack creates a safety hazard.

Using such a cable on the firing button jack would connect the firing line to the case of the box. Using one on the power cable side would connect the battery positive to the case. Neither of these conditions would cause an immediate problem, but could cause problems with further short circuits or noise pickup.

All pre-made cables should be checked with an ohm meter for continuity between pin 1 and the metal connector shell. If there is a connection, that cable must NOT be used until the connection is removed. Any extension cables made by the user must keep the pins isolated from the metal shell.

## Historical Note:

Long ago, when I first made these boxes, I chose pin 2 as the common for the circuits. This was before I discovered that the audio cables used pin 1 as the common. There are too many of my Klunker boxes in the field to change now. Changing now would cause a backwards compatibility problem.