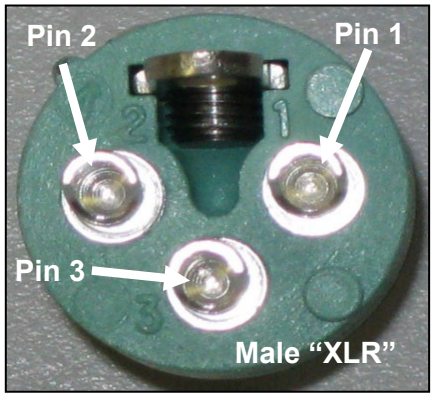
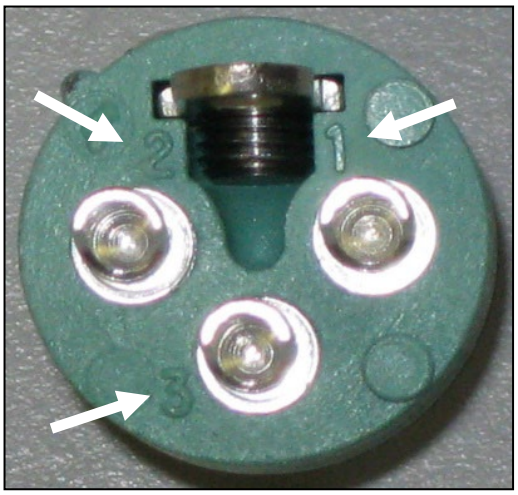
Pin Configurations on Common Audio Connectors

Pin Configuration Examples:

Using the XLR example to the right – The pin configuration is Pin 1 = Shield, Pin 2 = Hot, and Pin 3 = Common. Looking at the 1/4" Mono example below – The Tip = Hot, Sleeve = Common, and on the 1/4" Stereo (TRS) example – the Tip = Hot, Ring = Common, and the Sleeve = Shield (Ground).

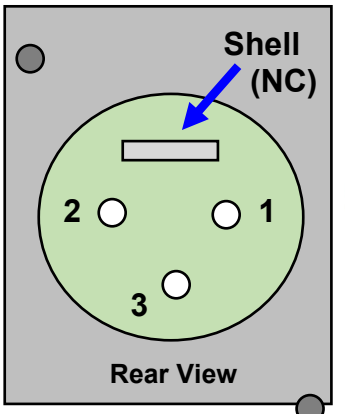
XLR Pin-Out Configuration





Notice that the pin numbers are stamped on the back side of the Male XLR connector (shown above). Both the front and back sides of XLR connectors will have the pin numbers stamped on them.

XLR Jack / Connector Notes



Typical 3-Pin Male XLR

Switchcraft #09GM4MX Male 3-Pin XLR Insert

XLR Notes:

1. NC – No Connection. Never jumper Pin#1 (or any other pin) to the Shell.

2. Never lift the shield on a microphone cable. This may eliminate some noise / hum, but does not fix the issue. This would be a "temporary" fix!

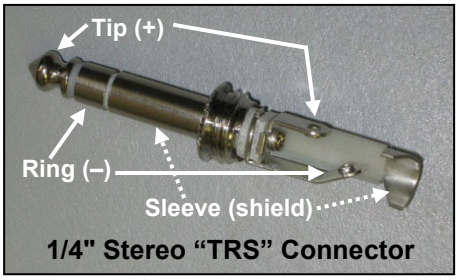
3. The Female connector has an "external locking mechanism" that secures the connector (locks it into place).

Locking Mechanism Pin on a Female XLR

Locking Mechanism on the Switchcraft #D3F Panel Mount Female XLR Jack

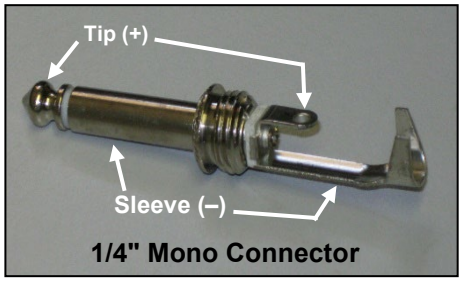
1/4" TRS (Stereo) and TS (Mono) Connector Configurations

1/4" TRS Stereo Configuration



1/4" Stereo "TRS" Connector

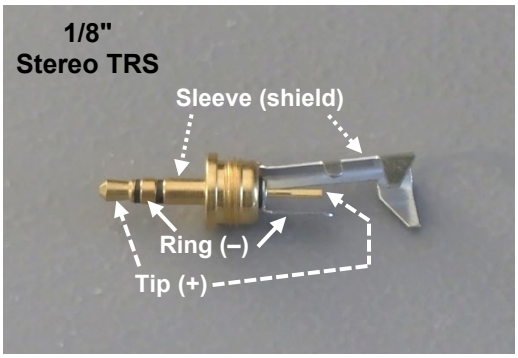
1/4" Mono Configuration

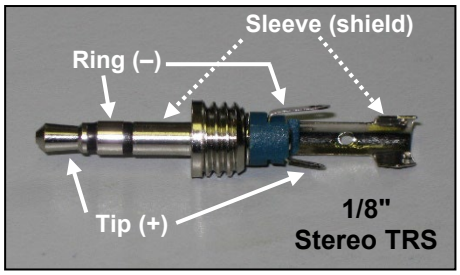


1/4" Mono Connector

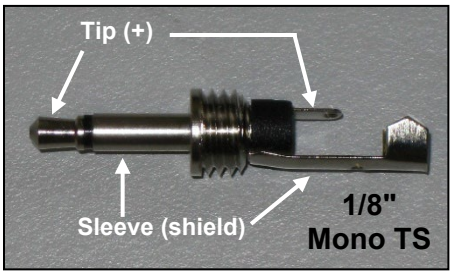
1/8" TRS (Stereo) and TS (Mono) Connector Configurations

1/8" (3.5mm) Stereo Configuration



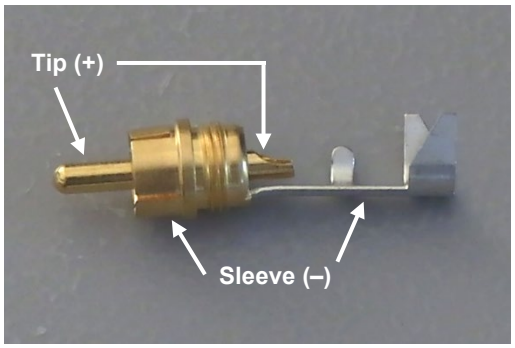


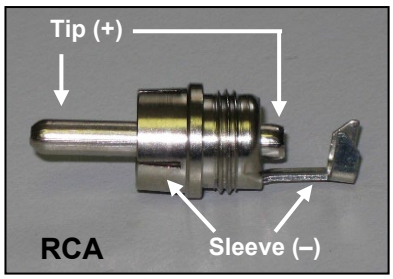
1/8" (3.5mm) Mono Configuration



RCA Connector Configurations

RCA (Phono) Configuration

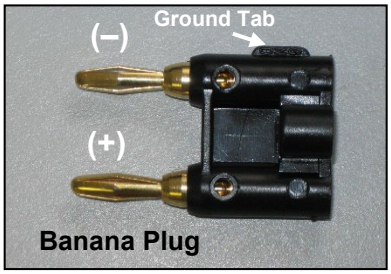




Courtesy of Switchcraft

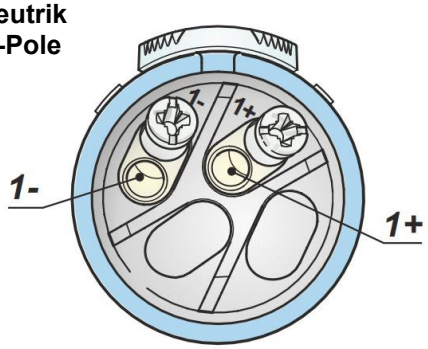
Banana Connector Configuration

Banana Configuration

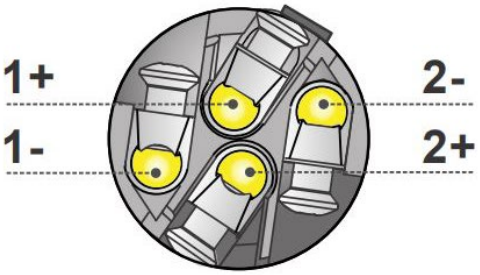


Neutrik speakOn Connector Configurations

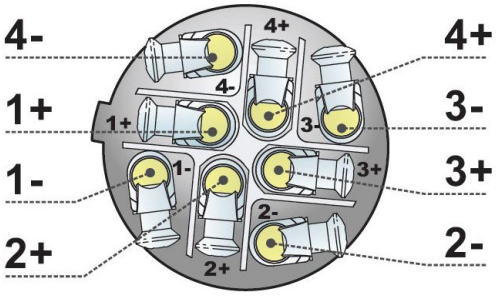
Typical Neutrik 2-Pole



Typical Neutrik 4-Pole



Typical Neutrik 8-Pole



Courtesy of Neutrik