

## Audio Connections - Cables & Plugs



**Mini Plug - 1/8 in. TRS Plug**

The worst audio quality. The choice of modern audio players and consumer electronics. This type of audio connection typically offers a decent signal for non-professional applications. TRS in the name stands for Tip, Ring, Sleeve. The number of rings tell the user if the plug is stereo (two rings) or mono (one ring).



**PHONO PLUG - 1/4 IN. TRS PLUG**

A better alternative to the mini plug. This type of connection is used by professionals yet isn't the preferred connection. Widely used in the music industry to connect some microphone applications, connect speakers, amplifiers, and guitars this plug has an inherent flaw. It can easily be unplugged. The number of rings also tell how many channels the cable is capable of handling.



**CANON XLR - MALE END**

The best audio quality. The choice of profession applications. This type of audio connection typically offers an analog signal. The button at the top of the connector prevents the cable from accidentally being unplugged. The cable cannot be removed without pushing this button.



**CANON XLR - FEMALE END**

The best audio quality. The choice of profession applications. This type of audio connection typically offers an analog signal.

## Audio Connections - Cables & Plugs



**CANON XLR PORT**

This port is used to connect XLR cables to a device. In this application a Microphone is plugged into this location.



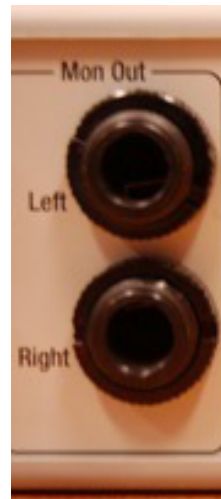
**MIDI Port**

This is a MIDI port. The MIDI plug allows for input of musical notes from electronic instruments into a computer.



**RCA PHONO PORT**

This is a RCA Phono Port. Notice that the port is color coded. The red typically is right and the white is left channel audio. In this application a red and white RCA cable was used to connect a digital signal input and output.



**Phono Plug - 1/4 in. TRS Plug**

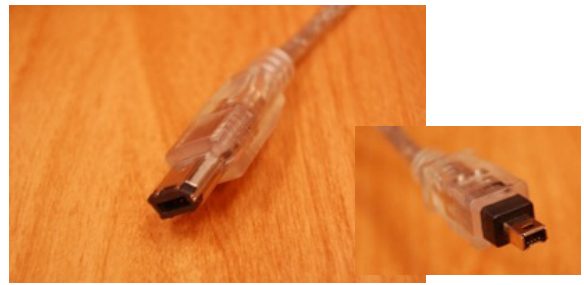
This port connects phono plugs to a device. In this application the left and right audio monitor channels are output.

## A/V Connections - Cables & Plugs



**RCA Plug**

This common audio and video connector has been around since the 1940's and is still used in modern electronics. It was originally used to connect record players to amplifiers. Today it is used in many different applications but isn't the preferred connection for high quality video and audio. The longer the cable the greater the chance of interference.



**6 & 4 pin Firewire cable plug**

The most common way to connect digital audio and video to a computer. It has been adapted to audio applications. The cable has very fast data transfer rates and is often used to connect portable hard drives. The term Firewire is a brand name from Apple Inc. and is known internationally as IEEE 1394 High Speed Serial Bus. The four pin connector is the smaller inset image.



**A & B Type USB Plug**

This type of connection was designed to allow universal connection between multiple devices. USB stands for Universal Serial Bus. The connection is used for cameras, audio devices, and data. It is the most commonly used computer connection in modern computers. The inset image is also a USB plug it is a B Type plug.



**B Type USB Port**

This plug is used in an audio application. It connects an audio board to a computer. It is also used to connect a computer to many things.