

MIX690
16-CHANNEL RACK MIXER

Input & Output Connector Specifications:

All 16 Inputs are differential balanced line input level @ +4dB:

Pin 1 - Audio Common

Pin 2 - HI

Pin 3 - LO

Left & Right Insert Send & Return 1/4" mono phone jacks are line level @ +4dB:

Tip - HI

Sleeve - Audio Common

Aux 1 Left & Right Inputs 1/4" mono phone jacks are line level @ +4dB:

Tip - HI

Sleeve - Audio Common

Aux 2 Left & Right Inputs 1/4" mono phone jacks are line level @ +4dB:

Tip - HI

Sleeve - Audio Common

Stereo Master Buss Left & Right Outputs are transformer balanced @ +4dB:

Pin 1 - Audio Common

Pin 2 - HI

Pin 3 - LO

Stereo Master Level Control +4dB @ Full Attenuation

VU meter +4dB @ 0 reference

LINKING 1 OR MORE UNITS TOGETHER

1. Decide which unit will be used as "Master" unit.
2. Second unit will be the "Expander #1" unit and, if there is a third unit, this will be "Expander #2".
3. On the Expander #1, take the left and right stereo buss output and plug that into the Master unit aux left and right in.
4. On the Expander #2, take the left and right stereo buss output and plug that into the Master unit aux left and right in.
5. Instructions for making left and right link cables:
 - One end is female XL plug and the other end is 1/4" male mono plug.
 - Using two conductor shielded cable, connect hi, lo and shield to XL female connector.
 - On the cable that connects to the 1/4" mono plug, tie shield and lo together and then connect to the sleeve. Then insert a 13K - 1/4 Watt resistor in series with the hi lead and tip. This insures that the proper level between Expander and Master unit is balanced together. Do this to all linked cables.
 - If needed, Inward Connections can supply cables at additional cost