

AVLELEC

MIX1 6-Channel Mixer/Pre-Amplifier



Rear view

The MIX1 mixer/preamplifier features six channels, each with a microphone input at a screw terminal and an Aux input at an RCA jack. A seventh channel (Aux only) has a front panel switch to select one of two rear panel Aux input jacks.

Features

- Mute switch allows Channel 1 (Mic input or Aux input) to mute all other channels, or Channels 1–6 to mute Channel 7 (Aux-only) input.
- Post-master volume control outputs:
 - Balanced line level output at screw terminals
 - Balanced mic level output at screw terminals
 - Unbalanced main output at RCA jack
- Pre-master volume control tape output at RCA jack.
- RCA jack can link mix bus of one MIX1 to another MIX1 so all inputs appear at all outputs.
- Low cut filter switch can reduce bass response in reverberant spaces (like gyms) and act as a horn protection filter (trumpet protection) when paging horns are used.

Technical Specifications

Input Channels 1–6	Microphone Inputs – Balanced Screw Terminals: 1mV (to reach 0dB 775mV output), 600 ohms Aux Inputs – Unbalanced RCA Connectors: 140mV (to reach 0dB 775mV output), 24k ohms Note: Mic and Aux input on same channel are internally mixed. Use one (not both). The Mic inputs do not provide phantom power for condenser microphones. External phantom power supplies (sold by others) can be used to provide phantom power for the MIX1 mic inputs.
Input Channel 7	Aux Inputs – Switchable on Front Panel: RCA jack “A” or RCA jack “B”
Mix Bus Link	RCA jack. 5mV, 1k ohm. Use only to link the mix buses of up to a max. of four MIX1 mixers.
Main Output	Unbalanced RCA jack 775mV, 280 ohms
Tape Output	Unbalanced RCA jack 75mV, 280 ohms
Line Output	Balanced screw terminals 775mV, 600 ohms
Mic Output	Balanced screw terminals, 7mV, 50 ohms
Frequency Response	20Hz – 20kHz ±1dB
Signal to Noise Ratio	Mic 60dB, Aux 65dB (form 0dB output level)
Total Harmonic Distortion	≤ .05%
Dimensions	19 in.W x 1.8 in.H x 9.875 in.D [482.6 x 45.7 x 250.8 mm].
Weight	7 lbs. (3.18 kg)

A & E Specifications

The mixer/preamplifier shall be Model No. MIX1 which shall feature six channels, each with microphone input at a screw terminal and Aux input at an RCA jack. A seventh channel (Aux only) shall have front panel switch to select one of two rear panel Aux input jacks. The unit shall include a mute switch and measure 19 in.W x 1.8 in.H x 9.875 in.D [482.6 x 45.7 x 250.8 mm].