

MIX 301

THREE CHANNEL LINE LEVEL MIXER

- Balanced and unbalanced operation
- Individual input gain controls
- Compact size
- Versatile mounting options



The Extron MIX 301 is a compact, versatile audio mixer that accommodates up to three mono line level sources. Compatible with professional and consumer audio equipment, the MIX 301 is ideal for a wide variety of applications where integration of multiple audio sources is needed.



Extron® Electronics

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DESCRIPTION

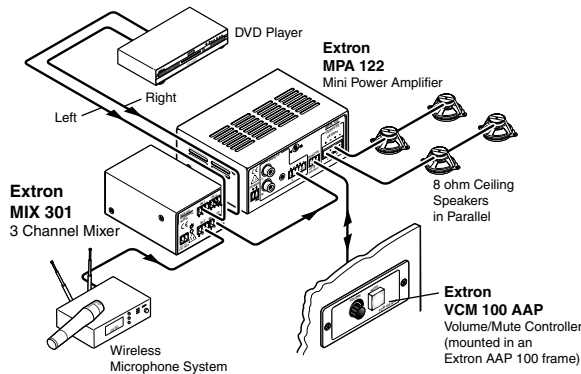
The Extron **MIX 301** Three Channel Line Level Mixer combines three line level mono audio sources into a single line level mono output. It accepts balanced or unbalanced input signals, and provides a balanced or unbalanced output. Three recessed gain controls on the front panel enable adjustment of mix levels for the inputs between -80dB and +20 dB.

The MIX 301 is ideal for a wide variety of applications such as retail environments, presentations, and classrooms. It is an economical problem-solver for incorporating additional audio sources into a switcher or projector. Part of the VersaTools® line of small, economical, integrator friendly products, the MIX 301 is housed in a 1U, one-eighth rack width metal enclosure.

FEATURES

- **Balanced and unbalanced operation for universal compatibility** – The MIX 301 accepts balanced and unbalanced input sources, and outputs balanced or unbalanced audio, so that professional and semi-professional equipment can be accommodated.
- **Gain control for each channel with a wide adjustment range from -80 dB to +20 dB** – Three front panel rotary trim pots provide level adjustment for each input.
- **Compact size for easy installation in a rack or in limited space** – The MIX 301 can be installed behind equipment in a rack, or anywhere that space is at a premium.
- **Inputs and output on captive screw connectors**
- **Rack mountable** – The MIX 301 is housed in a 1U, one-eighth rack width metal enclosure and can be mounted under or through a desk or in a rack.
- **External international power supply** – The supplied autoswitchable external power supply provides worldwide power compatibility (part # 70-055-01).

APPLICATION DIAGRAM



SPECIFICATIONS

AUDIO	
Gain	Adjustable per input. When all three gain potentiometers are set to 12 o'clock, the gain is as follows: Unbalanced output: -6 dB Balanced output: 0 dB
Frequency response	20 Hz to 20 kHz, ±0.05 dB
THD + Noise	0.05% @ 1 kHz at nominal level
S/N	>90 dB, balanced, at maximum output (unweighted)
CMRR	>70 dB @ 60 Hz to 20 kHz

AUDIO INPUT	
Number/signal type	3 mono, balanced/unbalanced
Connectors	(3) 3.5 mm captive screw connectors, 3 pole
Impedance	>10k ohms unbalanced, DC coupled
Nominal level.....	-10 dBV (316 mVrms) or +4 dBu (1.23 Vrms)
Maximum level	>+18 dBV, (balanced or unbalanced) at 1% THD+N
Input gain adjustment	-80 dB to +20 dB, adjustable per input
NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu	

AUDIO OUTPUT	
Number/signal type	1 mono, balanced/unbalanced
Connectors	(1) 3.5 mm captive screw connector, 3 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Nominal level.....	-10 dBV (316 mVrms) unbalanced, or +4 dBu (1.23 Vrms) balanced, adjustable
Maximum level	+25 dBu, balanced with 100k ohm load at 1% THD+N +18 dBm balanced with 600 ohm load at 1% THD+N

GENERAL	
External power supply.....	100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A, regulated
Power input requirements.....	12 VDC, 0.2 A (max.)
Rack mount	Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01; or VersaTools® rack shelf, part #60-190-20 or 60-604-20; or the Back of the Rack Mounting Kit #70-367-01. Also furniture mountable with Under-desk Mounting Kit, part #70-212-01, or attachable to a projector mount with optional mounting kit #70-217-01.
Enclosure type	Metal
Enclosure dimensions	1.7" H x 2.2" W x 3.0" D (1U high, one-eighth rack wide) 4.3 cm H x 5.6 cm W x 7.6 cm D (Depth excludes connectors.)
Product weight	0.2 lbs (0.1 kg)
Shipping weight	2 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

Model	Part Number
MIX 301.....	60-737-01

Specifications are subject to change without notice.



Extron Electronics, USA
1230 South Lewis Street
Anaheim, CA 92805
800.633.9876 714.491.1500
FAX 714.491.1517

Extron Electronics, Europe
Beeldschermweg 6C
3821 AH Amersfoort, The Netherlands
+800.3987.6673 +31.33.453.4040
FAX +31.33.453.4050

Extron Electronics, Asia
135 Joo Seng Rd. #04-01
PM Industrial Bldg., Singapore 368363
+800.7339.8766 +65.6383.4400
FAX +65.6383.4664

Extron Electronics, Japan
Kyodo Building, 16 Ichibancho
Chiyoda-ku, Tokyo 102-0082
Japan
+81.3.3511.7655 FAX +81.3.3511.7656