

NanoAmp™ Series Mono Mixers & Input Expander

MX100, MX100C, MX101 & XP100

NanoAmps from ATI are a compact, convenient and rugged series of low cost mixers and utility amplifiers featuring professional XLR type connectors, high performance, low noise circuitry and quiet, UL and CE approved remote power modules. Use them free standing, stack them or rack mount one, two, or three across in only 1-3/4 inches of vertical rack space.

The **MX101** is a field or studio full featured, three channel, switchable microphone/line mixer with low noise balanced inputs, phantom power, switched low cut filters, slate microphone, and a test tone oscillator driving a bright LED VU meter and a low distortion servo balanced selectable line/mic mono output with switchable peak limiting. An independent adjustable headphone output monitors program or cue and program.

- The **MX100** and **MX100C** are basic studio or field three channel units
- Selectable microphone/line mono mixers with low noise balanced inputs
- Phantom power for mic inputs
- Adjustable headphone program output
- Metered low distortion selectable balanced line/mic output
- Expand the input capability of the **MX100**, **MX100C** or **MX101** with one or several **XP100** expanders
- Each **XP100** Input Expander adds four switchable microphone/line inputs and includes all DC and audio interconnecting cables for interfacing with the mixer



Mono Models Available (see separate brochure for Stereo Mixers)

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| ▪ MX100 | 3 Channel Input, Mono Output Mixer |
| ▪ MX100C | 3 Channel Input, Mono Output Mixer with switchable Peak Limiter |
| ▪ MX101 | 3 Channel Input, Mono Output Mixer with full features described above |
| ▪ XP100 | 4 Channel Input Expander for MX Mixers |

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Technical Specifications

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OUTPUT LEVEL	+22dBm MAX, +4dBm Nominal into 600 ohm balanced or unbalanced lines; Output is selectable +4dBm (Line) or -50dBm (Mic)
REQUENCY RESPONSE	+0/-5dB 20Hz to 20kHz MX101 only: Switchable low cut filters -15dB @ 20Hz, -3dB @ 125Hz
DISTORTION	.5% THD Maximum 20Hz to 20kHz at +20dBm
NOISE	MIC Input: EIN = -124dBm, 54dB gain; LINE Input: EIN = -88dBm, 14dB gain; 20Hz to 20kHz measurement bandwidth
GAIN	MX: MIC: 52, 72 & 92dB; LINE: 32 & 42dB; Gain of each input is selectable XP100: MIC: 40dB; LINE: 0dB
HEADPHONE OUTPUT	100mW to 600/150 Ohm Headphones, TRS (Stereo) Jack
LIMITER	MX101/MX100C only: 5:1 SLOPE; Attack time 50ms, Recovery time 300ms for 10dB change
PHANTOM POWER	+20VDC regulated @ 4ma through paralleled 3.32K Ohm resistors 48VDC phantom power available as an option: Specify PH48-1
POWER	22 to 30 VDC, 24VDC Nominal; MX @ 120 mA, XP @ 70 mA; external 120VAC Power Supply included; see Accessories for other DC voltage options
DIMENSIONS	1.75" (4.45cm) H x 5.6" (14.22cm) W x 5.75" (14.6cm) D; 1.25 lbs. (.57kg)
MOUNTING	Free standing or rack mountable with one, two or three units in 1-3/4" rack space; specify 21075-501 Rack Shelf and 21097-501 1/3 RU Filler Panels
CONNECTORS	Standard XLR female inputs and XLR male outputs
CUE (DIRECTOR INPUT)	MX101 only: Unbalanced, -10dBu, 2.5 mm TS jack
WARRANTY	Limited, One Year Warranty