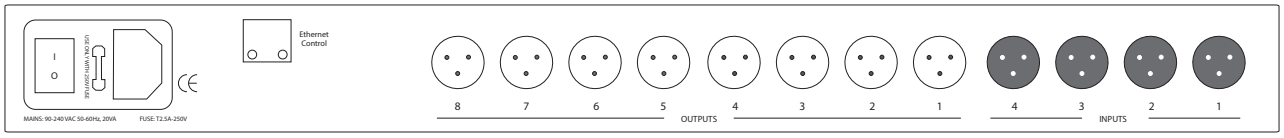
XP Series

ACX XP Series professional matrix DSP system controllers. The legacy design by it's original factory available in four different I/O configurations.: XP2040, XP3060, XP4080 and XP8080

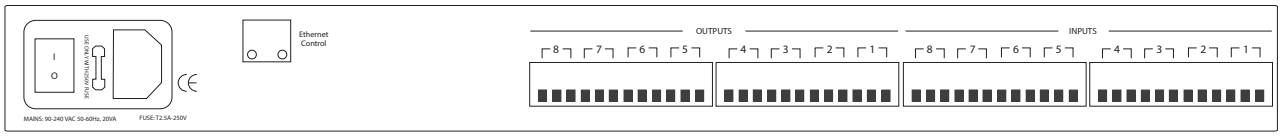
- XP Series products provide an outstanding value-to-performance ratio, as the only DSPs that sample 96kHz, use a 40-bit floating point DSP, and feature 24-bit converters within its price category
- XP-M suffix versions offer additional capabilities through switchable premium-grade Mic/Line inputs, with individual 48V phantom power
- Three I/O model sizes keep stocking and deploying simple for rental, MI and live sound providers, whilst also giving optimal cost-savings by minimising unneeded channel counts
- Wide range of control options allow for ultimate in user flexibility: optional Android and iOS app alongside the use of low-cost, wall-mounted XPanel

Engineer's Specification

Model versions shall provide two (2), four (4) or eight (8) balanced analog line inputs, and four (4) or eight (8) balanced analog line outputs (models XP-2040, 4080, 8080). Optional "M" model versions add Mic/Line inputs and utilize premium quality mic preamps. Selection, levels, phantom power, signal inversions and mutes shall be controllable via software. The front panel shall include a 2x16 character backlit LCD display, switch and thumb wheel programming controls, channel/mute selection buttons, and input/output LED level indicators. Analog audio connections shall be accessed via rear XLR connectors on all modelsm except the XP8080 model which will use 5.08mm terminal block connectors. Computer connection for configuration shall be via the device's rear panel Ethernet connector or front panel USB connector. After initial programming, processors may be controlled via TCP/ IP using optional networked controls (Cat6) or via third-party control systems using the RS232 connection. All program memory shall be non-volatile and provide program security should power fail. The processors shall be ETL marked and comply with UL/CSA/ CE safety requirements, FCC emission requirements, and shall be compliant with the RoHS directive. The steel chassis mounts into a standard 19" 1U EIA rack. Warranty shall be 2 years parts and labor. The DSP shall be the XP Series.



Rear panel view of the XP 4080, with XLR I/O section.



Rear panel view of the XP 8080, with Phoenix connector I/O section.

Available Model Variants

2x4 I/O	3x6 I/O	4x8 I/O	8x8 I/O
XP2040	**XP3060**	**XP4080**	**XP8080**

Technical Specifications

Input impedance	>10k Ohms
Output impedance	50 Ohms
Maximum level	+20dBu
Mic/Line	Mic (+40dB Fixed gain)/Line (0dB)
Type	Electronically balanced
Frequency response	+/-0.1dB (20 to 30kHz)
Dynamic range	115dB typ (unweighted)
CMRR	>60dB @ 1kHz
Crosstalk	<-80dB @ 1kHz
Distortion	0.002% (1kHz @ +4dBu)
Processor	40-bit Floating point

Sampling rate	96kHz
Analog converters	High-performance 24-bit
Propagation delay	1.5ms
Connectors	**XP 2040, 4080**: XLR, USB, RS232, RJ45 Ethernet, IEC power socket **XP 8080:** Phoenix connector (included), USB, RS232, RJ45 Ethernet, IEC power socket
Power	90-240 VAC (50-60Hz)
Dimensions	19"x1.75"x9" (483x44x229mm)
Rack mount	1RU, with vent between units
Weight	11lbs / 5kg
Warranty	2 years parts and labor

*Specifications subject to change