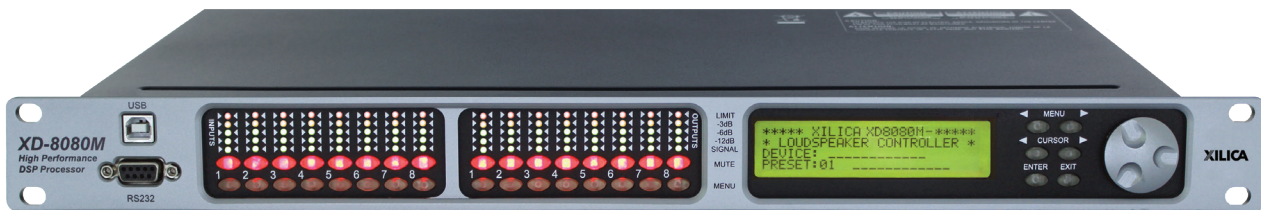


# XD SERIES

Fixed-Architecture, Fully-Featured DSP



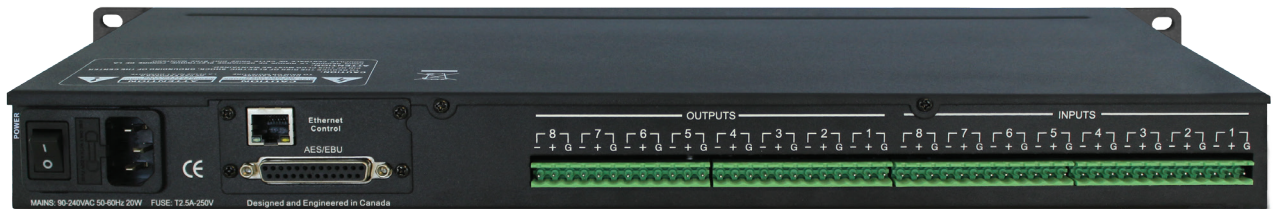
An evolution of the famed DLP family of processors, Xilica's XD Series delivers uniquely-advanced features in a small-format, affordable footprint for the live sound and performance audio markets.

- XD 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
- Features a broad range of advanced signal processing functions alongside standard Xilica suite, including high-performance FIR crossover filters, 650ms delay per input/output, phase correction, and dual IIR crossover per input/output
- Comes as standard with AES/EBU digital I/O using DB-25 multi-pin connector to suit larger digital deployments
- Two 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: Touch 7 touch-screen compatibility permits advanced GUI commands for commercial installation alongside the use of low-cost, wall-mounted XTouch panels
- Features optional XTouch Android app for sophisticated end-user experience

## Engineer's Specification

Model versions shall provide four (4) or eight (8) balanced analog line inputs plus four (4) or eight (8) AES/EBU digital audio inputs along with eight (8) balanced analog line outputs and eight (8) AES/EBU digital outputs (models XD-4080 & XD-8080). 4080-M & 8080-M model versions provide Mic/Line inputs, whilst sampling frequency is 96kHz and high performance 24-bit A/D & D/A converters and 40-bit floating point DSP processing is utilized. Analog audio connections shall be accessed via rear mounted XLR connectors (XD-4080) or 5.080mm terminal block connectors (XD-8080). AES/EBU digital audio I/O is via a separate

DB-25 multi-pin connector available on all model designations. 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 XD Series.



Above: Rear panel view of the XD-8080, with Phoenix connector I/O section.



Above: Rear panel view of the XD-4080, with XLR I/O section.

## Available Model Variants

	Base Model with XLR I/O	Base Model with Phoenix I/O	Selectable Mic/Line Inputs & 48V with XLR I/O	Selectable Mic/Line Inputs & 48V with Phoenix I/O
4x8 I/O	XD-4080		XD-4080M	
8x8 I/O		XD-8080		XD-8080M

## 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 (unweighted)
CMRR	>100dB (50 to 10kHz)
Crosstalk	<-100dB @ 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	Phoenix Plug-in 3.5mm, XLR, DB-25, Cat-5, USB, RS232, 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



## Customer Support

If you'd like to contact us regarding product support or technical designs, email [support@xilica.com](mailto:support@xilica.com) and we'll connect you with a solutions engineer. Alternatively, if you'd like to speak to someone, you can call the following numbers for immediate assistance:

North America & Rest of World: +1 905-770-0055

Europe: +31 29940-1100

China & Hong Kong SAR: +852 2604-9382