**XD-4080, XD-8080**

- 4x8 XLR Line Input/Output model; 8x8 Model w Euro/Phoenix Connectors (XD-"M" versions have switchable Mic/Line inputs w 48v phantom power).
- AES/EBU Digital Inputs & Outputs on Separate Connectors.
- Ethernet, USB, and RS232 Connectivity for Configuration and Control (wireless ready) (up to 16 devices in a Xilica network).
- 96kHz, 40 Bit Floating Point DSP Engine and High Performance 24 Bit Converters.
- Processor Configuration via Front Panel or easy to use XConsole Software GUI.
- Matrix Mixer.
- 31 Band, 1/3 Octave GEQ per Input.
- 8 Band PEQ per Input and Output.
- Dual IIR Crossover Filters per Input and Output with Bessel, Linkwitz-Riley & Butterworth Slopes.
- Dual “FIR” Multi-Tap Brick Wall Crossover Filters per Output.
- 650ms Delay per Input and Output.
- Input Compressors and Output Limiters.
- Phase Correction.
- High Performance Switching Power Supply.
- 30 Presets / Password Protection.
- Optional XPanel Wall Control.
- Designed and Engineered in Canada.
- Warranty: 2 Years Parts and Labour.

**Introduction:**
The Xilica XD-Series is our most complete fixed architecture digital processor. Building on the success of our original Classic "DLP" family of processors the Xilica XD-Series brings a new level of audio performance and processing power to the world of fixed architecture DSP for live sound production and fixed audio installations.

Designed and engineered in Canada, only Xilica provides a "state of the art" 96kHz 40 Bit Floating Point DSP Engine, High Performance 24 Bit Converters, Precise Algorithms, FIR Crossover Filters and AES/EBU Digital In/Out at this value level. The result is “best in class” audio performance and feature set.

**Description:**
The XD-Series DSP are fixed architecture, fully programable, digital, audio system processors. Inputs can be matrix mixed/routed to any or all outputs; Our standard signal processing functions (as listed to the left) are joined by the addition of high performance FIR Crossover Filters and AES/EBU Digital Inputs and Outputs; Ethernet, USB and RS232 connectivity for configuration, control and software/firmware updates is standard; Processor configuration can be accomplished in real time from the front panel or with a computer running our easy to use XConsole software GUI (download XConsole at www.xilica.com); And with the Ethernet connection and a basic wired or wireless router the XConsole GUI can control individual or multiple XD-Series processors from any location.

**Applications:**
Critical Front-Of-House Loudspeaker Management; Floor Monitors; Time/Phase Crossover Alignment; Fixed Audio Installations; Recording Studio Monitor Speaker Crossover and EQ; Broadcast Facilities; Delayed Speakers; Zoned Systems; Room Equalization; Acoustic Correction.
The XD-Series of Fixed Architecture DSP for Live Sound Production and Fixed Audio Installations from XILICA.

**XD-4080, XD-8080**

**Specifications**

**Inputs and Outputs**
- Input Impedance: >10k Ohms
- Output Impedance: 50 Ohms
- Maximum Level: +20dBu
- Type: Electronically balanced
  (*"M" model version provides switchable mic/line inputs with 48v phantom power)

**Audio Performance**
- **Freq Response:** +/- 0.1dB (20 to 30kHz)
- **Dynamic Range:** 115 dB typ (unweighted)
- **CMMR:** >100dB (50 to 10kHz)
- **Crosstalk:** < -100dB
- **Distortion:** 0.002% (1kHz @ +4dBu)

**Digital Audio Performance**
- Processor (DSP): 40-Bit Floating Point
- Sampling Rate: 96kHz
- Analog Converters: Super Performance 24-bit
- Propogation Delay: 1.5ms
- 1.75 – 7.75ms with FIR

**Audio Control Parameters**
- **Gain:** -40 to +15dB in 0.25 dB steps
- **Polarity:** +/- Delay: Up to 650 ms per I/O

**Equalisation**
- **Variable Equalizers:** 8 per I/O
- **Type:** Parametric, Hi-shelf, Lo-self, Phase (1st and 2nd order)
- **Gain:** -30 to +15dB in 0.25dB steps
- **Bandwidth:** 0.02 to 3.61 Oct (Q=0.31 to 72.13)
- **Graphic EQ:** 1 per Input, 31 Band 1/3 Oct steps

**Crossover**
- **IIR Filter Type:**
  - 2 Individual filters per input & output.
  - Type - Butterworth, Linkwitz-Riley & Bessel.
- **FIR Filter Type:**
  - 2 Individual filters per Output.
  - Type - Multi-Tap.
  - Slopes: 6 to 48dB per Oct for IIR
  - 50 to 1200 Taps for FIR

**Compressors and Limiters**
- 1 Compressor per input channel
- 1 Limiter per output channel
- **Threshold:** -20 to +20dBu
- **Attack:** 0.3 to 100ms
- **Release:** 2 to 32x the attack time
- **Ratio:** 1:1 to 1:40 (Compressor Only)

**System Parameters**
- **No. Of Programs:** 30
- **Delay Units:** ms, ft, m
- **Frequency Modes:** 36 steps/Oct, 1Hz Resolution
- **Security locks:** Password
- **Channel names:** 6 Characters

**Connectors**
- XD-4080 - 3-pin XLR
- XD-8080 - Euro/Phoenix (5.08mm/0.2" male connectors included)
- Digital: 25-pin DB-25 (AES/EBU)
- RS-232: Female DB-9
- USB: Type B
- Ethernet: Standard CAT-5 (Wireless Ready)
- Power: Standard IEC Socket

**General**
- Power: 90-265 VAC (50/60Hz) – 20VA
- Dimensions: 19”x1.75”x9” (483x44x229mm)
- Weight: 10 lbs / 4.6 Kg
- EAN Code XD-8080: 885799100021
- EAN Code XD-4080: 885799100014

- Designed and Engineered in Canada.
- Warranty: 2 Years Parts and Labour.

**Note:** specifications subject to change without notice

For more information visit www.xilica.com or contact us at info@xilica.com