



## XP-4080

- **4x8 matrix DSP system controller**
- **Supplied with XConsole GUI**
- **Connectivity RS232, USB and CAT5 Ethernet (wireless ready)**
- **24 bit AD/DA converters**
- **Sampling rate 96 kHz – 40 bit floating point DSP**
- **650ms Delay per Input and Output**
- **Crossovers, Compressors and Limiters**
- **31 Band, 1/3 Octave GEQ per Input**
- **8 Band PEQ per Input and Output**
- **Phase correction, 30 Presets, Password protection**
- **Up to 16 devices in one network**
- **Optional: XPanel programmable Ethernet remote wall controller**

Available as XP-4080 or as XP-4080M were all inputs can be adjusted for either Line or Microphone levels, switchable 48 Volt Phantom power included.



Six years after we introduced our first classic series processors, we redesigned the total concept:

- Incorporated our latest four layer “ State-of-the-Art “ Analog and DSP boards.
- Carefully sourced top quality components, like Cirrus Logic converters and an Analog Devices Sharc DSP, that we programmed using accurate and precise algorithms.
- Added a reliable over dimensioned Japanese Switching Power Supply that accepts voltages between 90 up to 265 volts AC.

The XP-4080 can be configured stand alone, or (wireless) remote controlled via the supplied XConsole GUI. This Graphic User Interface not only gives a clear overview off all settings, but at the same time provides you with real time hands on control over all your system parameters. For both fixed and touring applications, the XP-4080 offers you reliable top high end audio quality at a friendly and unbeatable price point.



## XP-4080

### Specifications

#### Impedance

Input Impedance: >10k Ohms  
Output Impedance: 50 Ohms  
Maximum Level: +20dBu  
Type: Electronically balanced

#### 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  
Propagation Delay: 1.5ms

#### 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-shelf,  
Phase (1st and 2nd order)  
Gain: -30 to +15dB in 0.25dB steps  
Bandwidth: 0.02 to 2.50 Oct (Q=0.5 to 72)  
Graphic EQ: 1 per Input, 31 Band 1/3 Oct steps

#### Crossover

2 Individual filters per I/O  
Type: Butterworth, Linkwitz Riley, Bessel  
Slopes: 6 to 48dB per Octave

#### 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

#### Front Panel Controls

Display: 2x16 Characters Backlit LCD  
Level meters: 5 Segment LEDs  
Buttons: 12 Mute/Channel Controls  
6 System Menu Controls  
1 Dial Encoder

#### Connectors

Analog: 3-pin XLR  
RS-232: Female DB-9  
USB: Type B  
Ethernet: Standard CAT-5  
Power: Standard IEC Socket

#### General

Power: 90-265 VAC (50/60Hz) – 20VA  
Dimensions: 19"x1.75"x9"  
(483x44x229mm)  
Weight: 10 lbs / 4.6 Kg

Note: specifications subject to change without notice