



## XA-2040

- **2x4 matrix DSP system controller**
- **Supplied with XConsole GUI**
- **Connectivity over RS232 and USB**
- **24 bit AD/DA converters**
- **Sampling rate 96 kHz – 40 bit floating point DSP**
- **90ms Delay per Input and Output**
- **Crossovers, Compressors and Limiters**
- **8 Band PEQ per Input and Output**
- **Phase correction, 30 Presets, Password protection**

The XA2040 is our new basic entry-level processor.

It's a straightforward 2 in 4 out free programmable DSP and it can be controlled over the front panel, or with our X-Console GUI and connected via USB or RS232.

The input and output delay time is max 90 ms and there is no 31band graphic eq on the input channels like XP and XD, just an 8 band parametric eq on all input and outputs.

What we kept in mind is our trademark:

And the XA2040 offers reliable high-end audio quality at a friendly and unbeatable price point.





## XA-2040

### 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 90 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 2.50 Oct (Q=0.5 to 72)

#### **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: 6 Mute/Channel Controls  
 6 System Menu Controls  
 1 Dial Encoder

#### **Connectors**

Analog: 3-pin XLR  
 RS-232: Female DB-9  
 USB: Type B  
 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