



XA-2040

- **2x4 basic entry level matrix DSP controller**
- **Sampling rate 96 kHz – 40 bit floating point DSP**
- **24 bit top notch AD/DA converters**
- **Connectivity via RS232 and USB**
- **Bidirectional real time control via XConsole GUI for PC**
- **8 band PEQ on each input and output**
- **90 ms delay on all inputs and output channels**
- **Crossovers and Limiters**
- **Phase correction, 30 Presets, Password protection**
- **4 year warranty**

The XA-2040 is our new basic entry-level processor.

It's a straightforward 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 31 band graphic eq on the input channels like XP and XD, just an 8 band parametric eq on all input and outputs. The XA-2040 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: >60dB (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

Limiters

1 Limiter per output channel
Threshold: -20 to +20dBu
Attack: 0.3 to 100ms
Release: 2 to 32x the attack time

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