

Features

- Pocket size processor
- Live/Real time changes
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Hardware

- Analog Devices Fixed point DSP
- 28/56 bit processing
- Stereo analog audio in (RCA)
- Four analog outputs (RCA)

Software Control

- Real time live control over USB
- Windows & Mac compatible
- Wide range of audio plug-ins

Power

- External 5 VDC supply / USB self powered
- Low power consumption

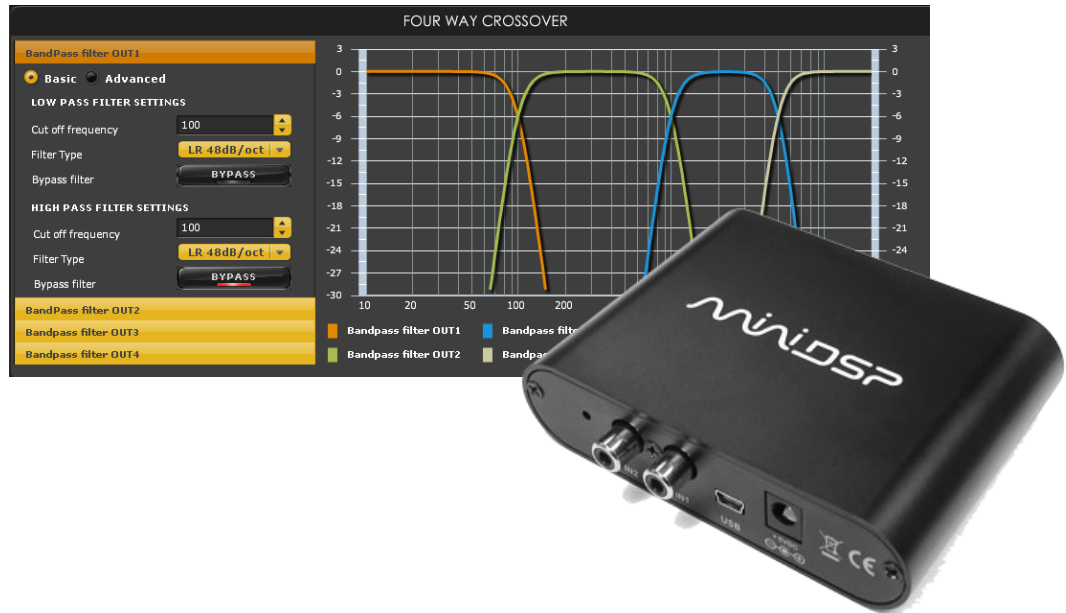
Applications

- Digital crossover (2way/4way)
- Subwoofer processor
- Car audio signal processing
- DIY Audio projects

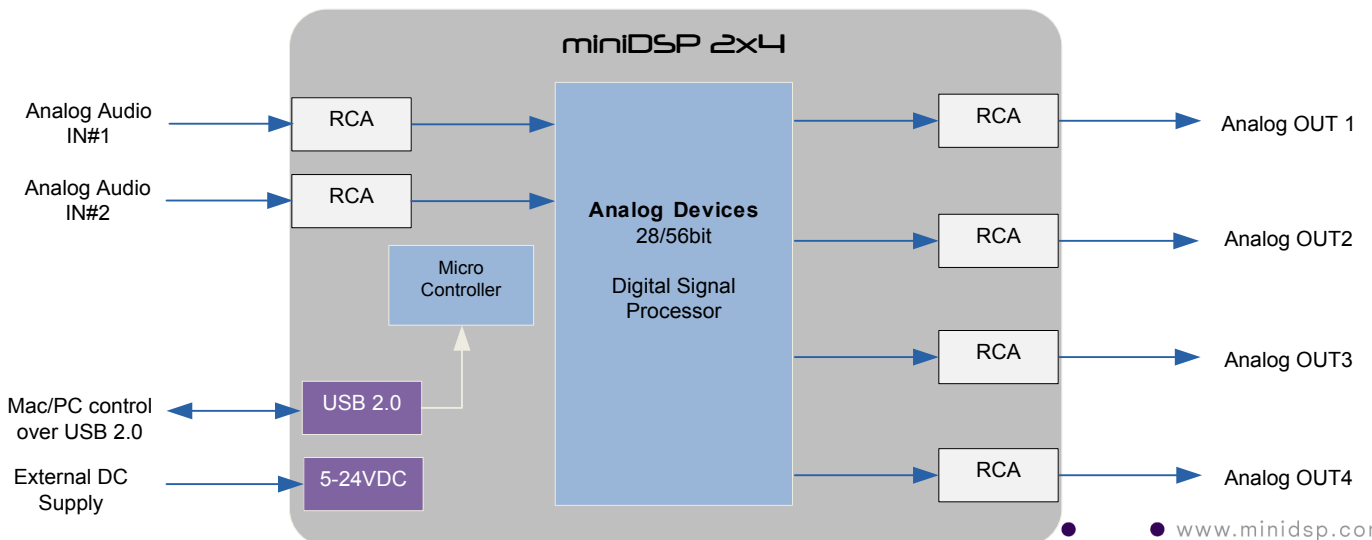
The miniDSP 2x4 is a pocket size Digital Signal Processor (DSP) with two analog inputs, four analog outputs. Typically connected between your analog source (CD&DVD player/AVR/PC...) and a multi-channel amplifier, the embedded DSP algorithms allow for a wide range of tuning applications.

May it be subwoofer tuning, multi-way crossover or even equalization of your stereo system, the 2x4 strength lies in its ease of use and flexibility. Based on a Hardware + Software combination, one tunes the system from a user-friendly software on PC/Mac machine. The configuration from the driverless USB connection is live, real time and a one time requirement. All settings are automatically stored and reloaded at subsequent boot up.

Thanks to 3rd-party tuning software like Room EQ Wizard and our USB measurement microphone (UMIK-1), the miniDSP 2x4 makes audio tuning easy. Join our large community of audio enthusiast and start enjoying the potential of this powerful audio processor.



SYSTEM DIAGRAM



HARDWARE SPECIFICATIONS

Item	Description
Digital Signal Processor Engine	28/56 bit Digital Signal Processor Engine / Double precision processing
Host Processor	48MHz microcontroller
Sample rate	48kHz
ADC/DAC Data resolution	24 bits
Analog Audio Input	Unbalanced input, RCA terminated
Maximum input level	0.9Vrms (RevA) or 2Vrms (RevB)
Dynamic range ADC, un-weighted	>98dB
Input impedance	6Kohms
Analog Audio Output	Unbalanced input, RCA terminated
Maximum level, unbalanced, <1% THD	0.9Vrms (2.5Vpp)
Dynamic range DAC, un-weighted	>98dB
Output impedance	560ohms
Certification	CE / FCC certified - ROHS compliant
Power supply	Powered from USB cable 5 ~24Vdc input via DC 2.1mm round connect Current requirement: 150mA @5V
Dimensions (H x W x D)	26x107x94 mm

MECHANICAL SPECIFICATIONS

