

**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

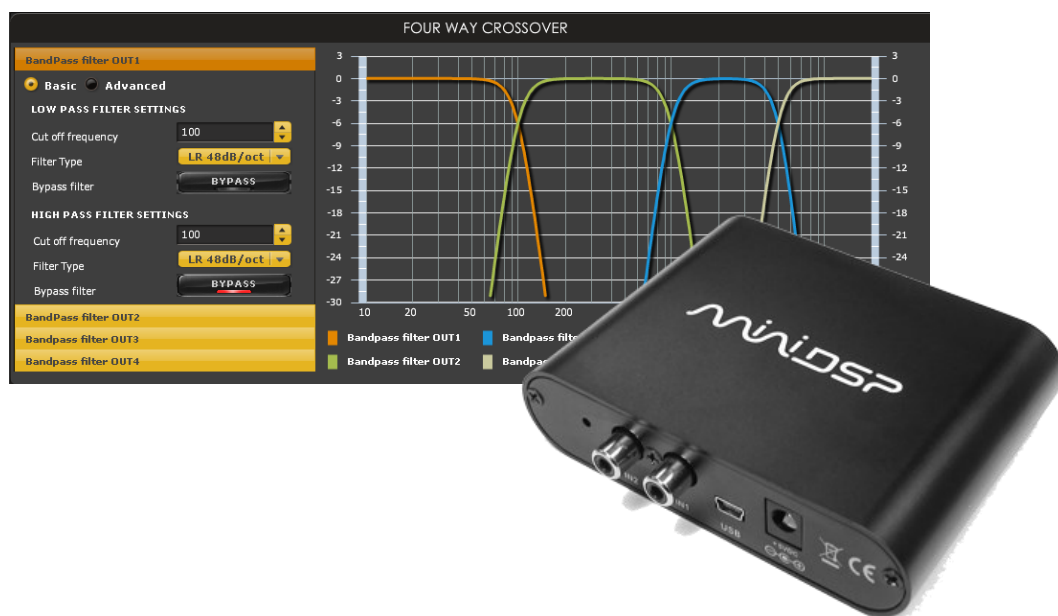
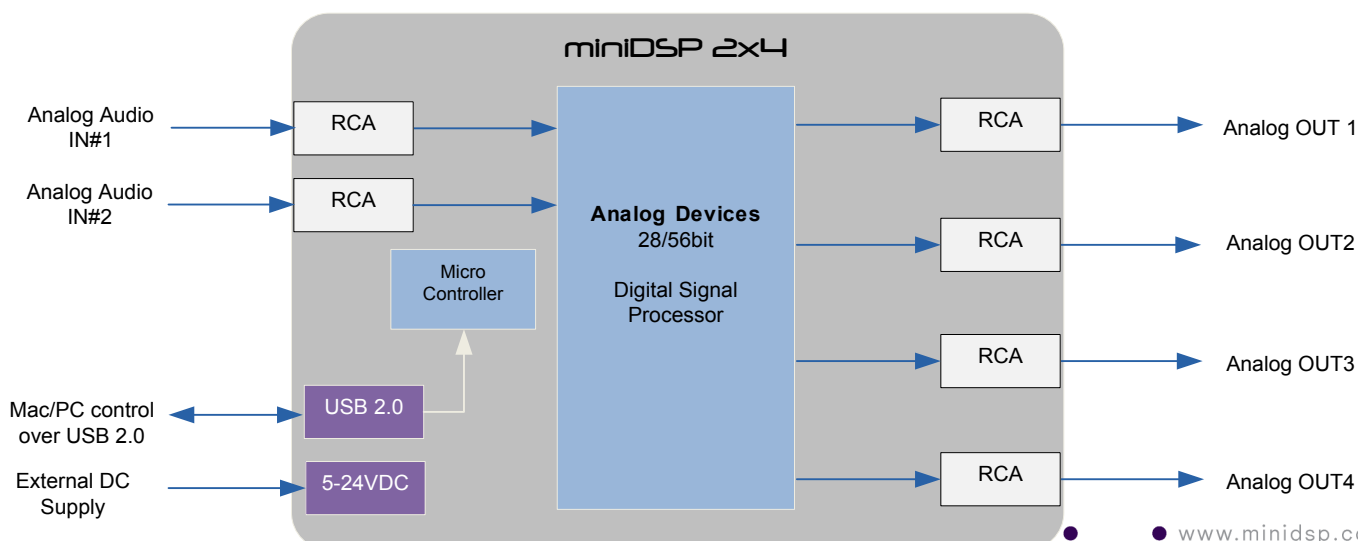
**Applications**

- 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

