Features
- Floating point SHARC DSP
- Dirac Live room correction
- USB, analog, & digital inputs
- Low power & small form factor

Hardware
- Analog Devices ADSP21489
- XMOS Async USB audio
- 2ch analog input on RCA
- 2ch digital input on TOSLINK
- IR control with learning feature

Software Control
- Real time live control
- Win & Mac compatible
- Firmware upgradeable
- 4 preset memory

Power
- Single external 12VDC supply
- Low power (2.5W)

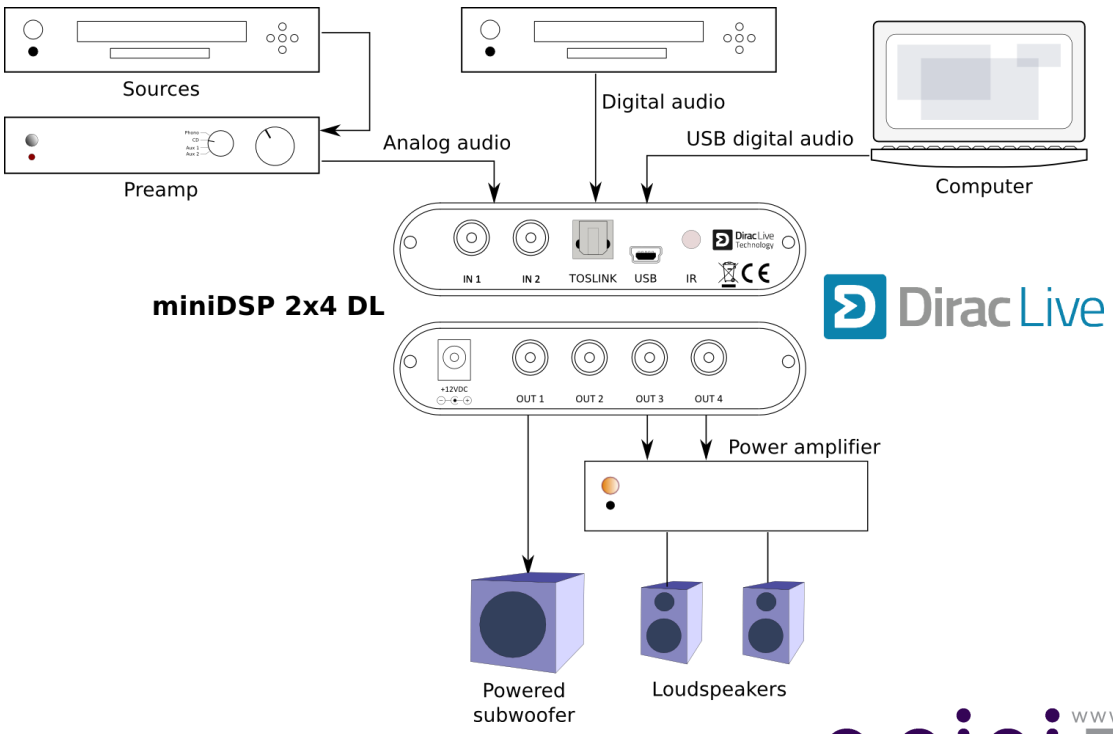
Applications
- Hifi room correction
- Subwoofer integration
- Desktop and mobile
- Recording and monitor studios

miniDSP introduces the **DDRC-24** the world's smallest Dirac Live® hardware processor. Dirac Live®, the world's premier room correction solution, is now available in an unbelievably compact hardware unit.

Powered by a 400 MHz Analog Devices SHARC processor, the **DDRC-24** retains the 4-channel output of its sister unit, the miniDSP 2x4 Hd, in order to allow applications like subwoofer integration or even 2-way loudspeakers together with Dirac Live® room correction in a single tiny hardware platform. The matrix mixer and crossover functionality is accessed and programmed with miniDSP's easy-to-use interface software.

I/O capabilities get an upgrade too, with the addition of USB audio streaming up to 192 kHz and a TOSLINK digital input. The **DDRC-24** will find application in full-sized hifi and home theater systems, on desktops, in cars, in recording studios — anywhere a compact, powerful room correction processor is needed.

TYPICAL APPLICATION



HARDWARE SPECIFICATIONS

Item	Description
Digital Signal Processor	32-bit Floating point Analog Devices SHARC ADSP21489 / 400 MHz
Control	Driverless USB 2.0 control interface for Windows/Mac OS X environments A computer is only required for the initial configuration and for USB audio streaming
Resolution/Sample Rate	Resolution: 32bit / Sample Rate: 48kHz
USB audio input	XMOS asynchronous USB audio up to 192 kHz, USB Audio Class 2 compliant • ASIO drivers for Windows • Driverless for Mac OS X
Digital audio input	TOSLINK optical input. The input signal is processed by a high quality onboard Asynchronous Sample Rate Converter for compatibility with most common sample rates (20–216kHz)
Analog audio input	Unbalanced stereo (2 channels) analog audio on RCA connectors - Max input of 4V or 2V RMS, jumper–selectable - Input impedance: 10kΩ - THD+N: 0.003% (RCA to USB) - Dynamic range: 103dB
Analog audio outputs	Unbalanced analog audio (4 channels) on RCA connectors - Max output: 2V RMS - Output impedance: 560Ω - THD+N: 0.001% (USB to RCA) - Dynamic range: 103dB
Dirac Live Correction Suite for miniDSP	Plug&Play control and configuration from Dirac Live Correction Suite with impulse & frequency response correction, freely edit target curve, up to 4 Dirac live memories
Filter storage	Four on-board presets, selectable by remote control
Infrared remote control	Learning remote feature for input selection, volume, mute, and preset recall
USB port	USB port type Mini-B for audio streaming, real time control and firmware upgrade
Power supply	12 VDC single supply / 2.1 mm round plug / 2.5W
Dimensions (H x W x D) mm	27 x 119 x 107 mm

MECHANICAL SPECIFICATIONS