miniDSP

Features
- Dirac Live® Room Correction
- Floating point processing

Hardware
- Analog Devices SHARC DSP
- 32-bit floating point processing
- 8ch Balanced/Unbalanced inputs
- 8ch Balanced/Unbalanced outputs
- Front panel volume control
- IR control with learning feature
- UMIK-1 calibrated USB measure-
  ment microphone

Software Control
- Real time live control from Dirac
  Live Calibration Tool for miniDSP
- Firmware upgradeable
- 4 preset memory stored onboard
- Apple remote support

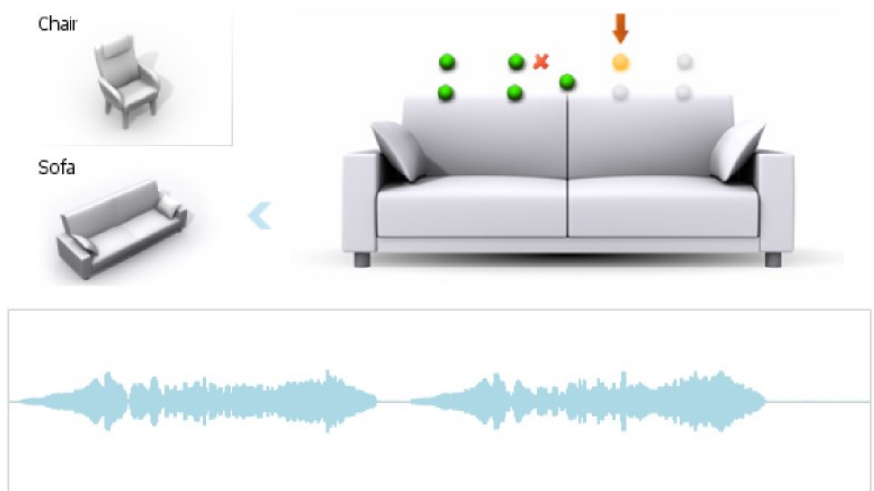## Power
- Single external 12V supply

Applications
- Multichannel room correction
- Studio tuning
- Commercial AV installs
- Auditorium correction

Introducing the Dirac Series audio processors, powered by Dirac Live®, the world's premier room correction solution. We are delighted to offer you this software and hardware combination, the fruit of many years of experience in sound system tuning and extensive research and development.
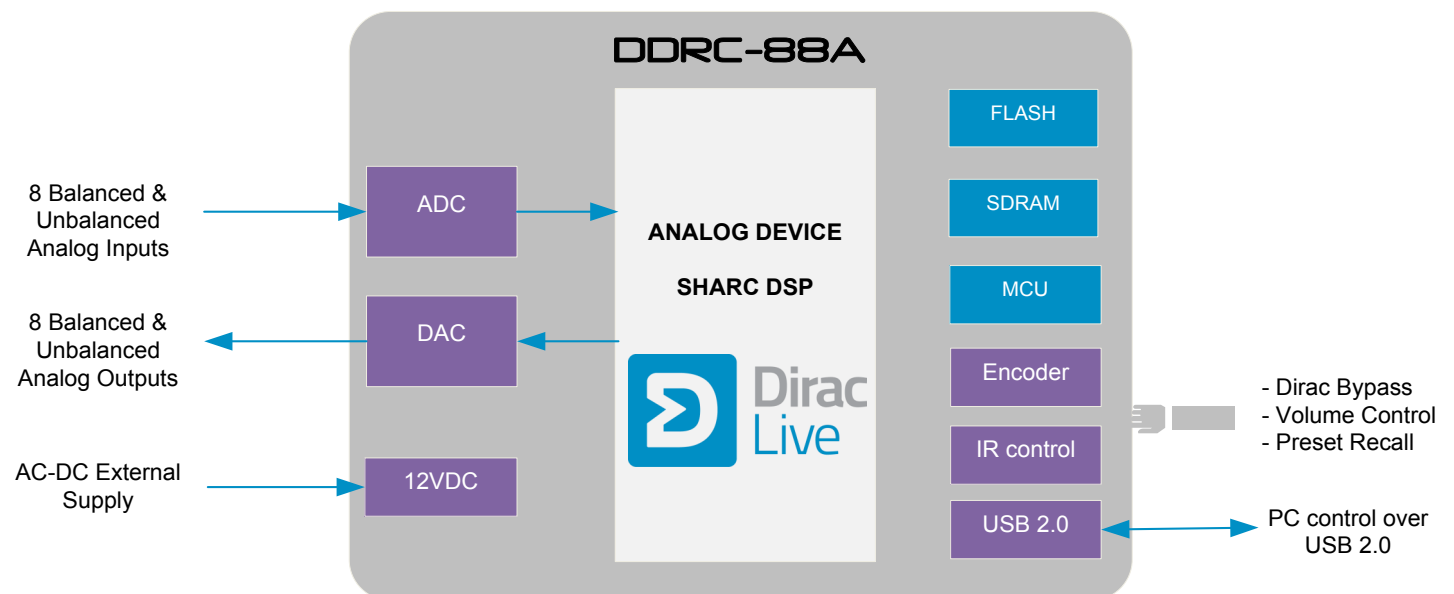
The DDRC-88A is the big brother of the stereo DDRC platform. Based on our proven 8x8 DSP board and miniSHARC series, we combined two successful & proven platforms into a cost effective rack mountable processor.

An infrared remote learning feature and the front panel rotary encoder allow for control of the DDRC-88A processor without any need for a connected PC, once the processor is configured and filters loaded.

The DDRC-88A is deployed in the analog signal chain and fits between your source and your amplifier. The best fit for Prepro AVR lacking the power of Dirac live room correction or for any multichannel system such as commercial AV installs. Benefits of deploying Dirac Live® in your setup include improved imaging and clarity, tighter bass and reduction of room resonances, elimination of early reflections, and reduced listening fatigue.

SYSTEM DIAGRAM

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miniDSP

HARDWARE SPECIFICATIONS

Item	Description
Digital Signal Processor	32bit Floating point Analog Devices SHARC ADSP21369 / 333MHz
Sample rate / Resolution	Resolution: 32bit Sample rate: 48kHz
Control	Driverless USB 2.0 control interface for Windows environments A computer is required for the initial configuration of the product
Audio inputs	8 x Balanced (Terminal Block) or 8 x Unbalanced (RCA) inputs 114dB ADC IC / Measured SNR 105dB
Audio outputs	8 x Balanced (Terminal Block) and 8 Unbalanced (RCA) outputs 114dB DAC IC / Measured SNR 105dB
Maximum Input signal	Unbalanced Input (RCA): 2Vrms (+8 dBu) Balanced Input (Terminal block): 4Vrms (+14 dBu) or 8Vrms (+20dBu) based on input jumper configuration. See user manual.
Maximum Output signal	Dip switch on motherboard attenuates outputs by 6dB (RCA & Terminal blocks) Unbalanced outputs (RCA): 2Vrms (+8 dBu) or 0.9Vrms Balanced outputs (Terminal block): 4Vrms (+14 dBu) or 8Vrms (20dBu)
Dirac Live Correction Suite for miniDSP	Plug&Play configuration from Dirac Live Calibration Tool for miniDSP * Impulse response correction * Frequency response correction * Freely edit target curve, unlimited break points * Automatic target functionality * Shows average measurements * Chair and sofa measurements for up to 9 measurements
FIR filter storage	Up to 4 filter configuration filters stored on unit
USB port	USB port type B for real time control and firmware upgrade
Power supply	12VDC single supply / 2.1mm round plug
Dimensions (H x W x D) mm	41.5 x 429 x 252 mm - 1RU height / Includes removable rack mount ears

MECHANICAL SPECIFICATIONS

12VDC Power Input | 8x Un-balanced RCA inputs | 8 x Balanced Inputs | 8 x Un-Balanced Outputs | 8 x Balanced Outputs | USB Control to Win PC

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