

### Features

- Floating point Digital Processor
- All-in-one Processor + Amplifier
- Audio Video Bridging Enabled

### Hardware

- Analog Devices Sharc ADSP21369
- 32bit processing path
- Stereo digital inputs (AES-EBU/ SPDIF/Optical/AVB/USB Audio)
- Stereo digital outputs (AES-EBU/ SPDIF/Optical/AVB/USB Audio)
- ASRC for 20 to 216kHz input
- 2 x 90W @4Ω/2x50W @8Ω
- Front panel volume control
- IR control with learning feature

### Software Control

- Real time live control over USB2.0
- Win & Mac compatible
- Firmware upgradeable for future

### Applications

- Room correction using FIR filters
- Advanced filtering applications
- System equalization

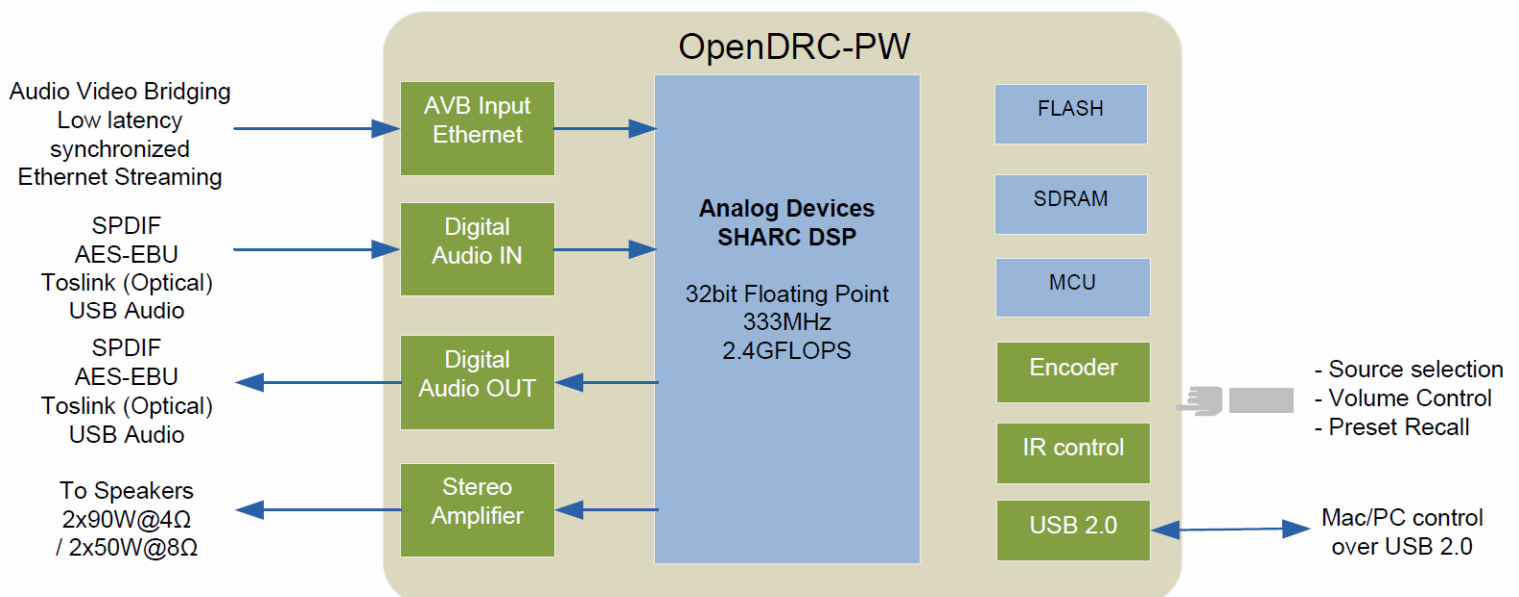
Introducing the OpenDRC series, a new range of innovative digital audio platforms for Digital Room Correction (DRC). Powered by floating point processors, the OpenDRC engine easily handles complex audio filtering processing such as room correction, FIR crossover filtering, reverb engines... Flexibility, high performance and its price point are the hallmarks of the OpenDRC series.

The OpenDRC-PW (PW for power) is an integrated processor and amplifier solution carrying the most common stereo digital audio formats (AES-EBU, SPDIF, Toslink, USB and AVB). With its embedded stereo amplifier, this all-in-one digital solution performs audio streaming, processing and amplification. The IR learning remote feature and/or rotary encoder allows control of your source, active preset or master volume without the need of any PC once the unit configured.

Last but not least, the OpenDRC-PW is powered by the latest IEEE Audio Video Bridging (AVB) standard. A low latency, uncompressed and tightly synchronized audio streaming standard transforming your DSP processor into a Network Audio Streamer. A complete system packing up the latest technology!



### SYSTEM DIAGRAM



## HARDWARE TECHNICAL SPECIFICATIONS

Item	Description
Digital Signal Processor	32bit Floating point Analog Devices SHARC ADSP21369 / 333MHz
Control	Driverless USB 2.0 control interface for Windows/Mac OS x environments A computer is only required for the initial configuration.
Audio Video Bridging Streaming	Low Latency, Synchronized and Uncompressed Ethernet audio streaming IEEE1722 / IEEE1722.1 / 802.1Qav/ 802.1Qas/ 802.1Qat
USB Audio streaming	Asynchronous USB audio streaming up to 216kHz
Digital Audio inputs	Digital audio source selectable from IR remote or Front panel: - AES-EBU on Neutrik 3pin female XLR / Isolated with digital audio transformer - SPDIF on RCA connector / Isolated with digital audio transformer - Toslink on Optical connector The input signal is processed by a high quality onboard Asynchronous Sample Rate Converter for compatibility with most common sample rate (20-216kHz)
Digital Audio outputs	Processed digital audio output from the DSP is available in all 3 formats: - AES-EBU on Neutrik 3pin male XLR / Isolated with digital audio transformer - SPDIF on RCA connector / Isolated with digital audio transformer - Toslink on Optical connector
Sample rate / Resolution	Resolution: 32bit Sample rate: 48 or 96kHz
Audio Amplifier	2x90W at 4Ohms @ 1% THD 2x50W at 8Ohms @ 1% THD
FIR filter storage	FIR taps coefficients & DSP configuration automatically loaded at bootup
USB port	USB port type B for real time control and firmware upgrade
Power supply	110/240V
Dimensions (H x W x D) mm	74 x 224 x 200mm

## REAR PANEL MECHANICAL SPECIFICATIONS

