Introducing the OpenDRC platform, a range of cost effective digital audio processor with floating point capabilities. Powered by Analog Devices Sharc processors, the OpenDRC engine stands between your audio source and amplifier to handle complex audio filtering such as room correction, FIR crossover filtering, subwoofer tuning. A wide variety of application thanks to the flexibility of the platform and its high performance.

The OpenDRC-AN (AN for Analog) is a stereo audio processor with balanced analog audio input and outputs on Neutrik XLR connectors. The IR learning remote feature and/or rotary encoder allows for control of the active preset or master volume without the need of any PC once the unit is configured.

Last but not least, the OpenDRC-AN follows the footprint of our proven miniDSP concept: "One hardware, many plug-ins". An easy to use platform that received praises for its simplicity of use. By setting some strategic partnership with 3rd party software developers, the OpenDRC takes it one step further in harnessing DSP powers in audio applications. From advanced room correction to full featured linear phase crossover, the OpenDRC opens up a new range of audio processing solutions!

SYSTEM DIAGRAM

OpenDRC-AN

ADC
114dB SNR

DAC
114dB SNR

5VDC

FLASH

SDRAM

MCU

Encoder

IR control

USB 2.0

Flash and specifications are subject to change without prior notice
### HARDWARE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>Digital Signal Processor</td>
<td>32bit Floating point Analog Devices SHARC ADSP21369 / 333MHz</td>
</tr>
<tr>
<td>Control</td>
<td>Driverless USB 2.0 control interface for Windows/Mac OS x environments A computer is only required for the initial configuration.</td>
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</table>
| Analog Audio inputs           | Balanced Audio connectivity on XLR Neutrik connector  
Pin 1 = Shield / Pin 2 = Hot / Pin 3 = Cold  
ADC performance: 114dB SNR  
Max input level: 2Vrms (Jumper Closed) / 8Vrms (Jumper open)  
Input impedance: 40k Ohms |
| Analog Audio outputs          | Balanced Audio connectivity on XLR Neutrik connector  
Pin 1 = Shield / Pin 2 = Hot / Pin 3 = Cold  
DAC performance: 114dB SNR  
Max output level: 2Vrms  
Output impedance: 560 Ohms |
| Sample rate / Resolution      | Resolution: 32bit  
Sample rate: Depends on selected plug-in. Please consult plug-in datasheet for more information on the operating sample rate of the DSP                                                                 |
| Template FIR filter capabilities | Mono signal: FIR filter with up to 12228 taps @48kHz, 6144 @ 96kHz  
Stereo signal: FIR filter with up to 6144 taps/ch @48kHz  
Please consult the plug-in specs for more info.                                                                 |
| 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                  | 5VDC single supply / 600mA @ 5V - 2.1 round plug                                                                                                                                                         |
| Dimensions (H x W x D) mm     | 41.5 x 214.5 x 200mm                                                                                                                                                                                     |

### MECHANICAL SPECIFICATIONS

![Diagram of the hardware specifications](image)

Features and specifications are subject to change without prior notice.