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 handles complex audio filtering such as room correction, FIR crossover filtering, reverb engines...Thanks to the flexibility of the platform and its high performance, OpenDRC supports a wide variety of applications.

As an all digital solution, the OpenDRC-DI (DI for Digital) carries the most common stereo digital audio formats (AES-EBU, SPDIF and Toslink). With its on-board Asynchronous Sample Rate Converter (ASRC), digital audio is converted to the proper rate. The learning remote feature and/or rotary encoder will allow control of your source, active preset or master volume without the need of any PC once the unit is configured.

Last but not least, the OpenDRC-DI 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!
### 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>
| 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 (20-21.6kHz)                                                                                                                                                                                                                                                                                                                                 |
| 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: 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    | 52 x 180 x 200mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### MECHANICAL SPECIFICATIONS

- Rotary/Push Encoder
- Selected Source Indicator
- Selected Preset Indicator

- Digital Input Sources
  - Optical
  - AES-EBU
  - SPDIF
  - Line

- Processed Digital Output
  - Optical
  - AES-EBU

- USB 2.0 PC/Mac control

Features and specifications are subject to change without prior notice.