



I/O Connectivity

1 x Stereo Analog I/O

1 x ADAT or SPDIF I/O

(optical and coaxial, AES/EBU compatible)

With hard to beat technical specifications and its superior sound quality the ADI-2 not only made its way into various top-studios, but also into the audio reference charts of high-end Hi-Fi enthusiasts all over the world.

The ADI-2 is a compact and flexible 2-channel reference-class AD/DA-converter. It offers AD/DA conversion with up to 192 kHz in top notch quality. The ADI-2 is remarkably versatile as it is able to handle digital signals in SPDIF and AES/EBU as well as in the ADAT format. Key features include balanced inputs and outputs, monitoring via headphone out, SteadyClock™-controlled converters and 3-stage hardware controlled input and output levels.

The ADI-2 is equipped with a balanced stereo line input with two Neutrik XLR combo jacks, a balanced stereo line output with XLR plus separate TRS jacks in parallel, and an adjustable high-power headphone output. The volume pot on the front optionally controls not only the front headphone output, but the rear line outputs as well.

The ADI-2 uses the latest generation of AD/DA-converters capable of up to 192 kHz sampling frequency at S/N ratios up to 119 dBA. The analog inputs and outputs use the same circuitry as RME's famous ADI-8 DS to ensure outstandingly low noise and distortion. Three different settings for the input and output levels are available to make perfect adjustments in the analog domain.

A further highlight is SteadyClock™, a proprietary clock technology for maximum jitter suppression. SteadyClock™ guarantees superb sound quality completely independent from the quality of the current reference clock.

But the ADI-2 has more to offer than tremendous sound, it also gives you exciting digital connectivity. Its transformer-balanced coaxial (RCA) SPDIF I/O has switchable channel status to make it fully AES/EBU compatible. The optical TOSLINK I/Os can handle up to 192 kHz and also serve as ADAT I/O with up to 96 kHz sample rate. You can even use SPDIF input and ADAT output or vice versa in AD/DA mode. Furthermore the unit can operate as digital to digital converter with added monitoring. In this mode, the digital input signal is available at the digital and analog outputs.

Following RME's 'Universal Power Supply' philosophy the ADI-2 comes with an external switching power supply. Its additional internal switching power supply has been specially designed and optimized for audio applications. It even runs on batteries and rechargeable batteries.

Application Examples

- High-End analog to digital / digital to analog converter with up to 192 kHz mastering grade quality
- High-End line signal preamp
- SPDIF or ADAT signal refresher/jitter remover with analog monitoring
- SPDIF to ADAT (stereo) converter
- ADAT to SPDIF (stereo) converter

Specifications

- Input AD: 1/4" TRS jack and XLR via Neutrik combo jacks, servo-balanced, completely symmetrical, DC-coupled signal path
- Output AD: ADAT optical or SPDIF optical, SPDIF coaxial, AES/EBU compatible
- Input DA: ADAT optical or SPDIF optical, SPDIF coaxial, AES/EBU compatible
- Output DA: 1/4" TRS jack and XLR, servo-balanced, DC-coupled signal path
- Dynamic range AD: 110 dB RMS unweighted, 113 dBA
- Dynamic range DA: 116 dB RMS unweighted, 119 dBA (unmuted)
- THD AD: < -110 dB (< 0.00032%)
- THD+N AD: < -104 dB (< 0.00063%)
- Crosstalk AD: > 110 dB
- THD DA: < -103 dB (< 0.0007 %)
- THD+N DA: < -100 dB (< 0.001 %)
- Crosstalk DA: > 110 dB
- Input/Output level, 0 dBFS @ Hi Gain: +19 dBu
- Input/Output level, 0 dBFS @ +4 dBu: +13 dBu
- Input/Output level, 0 dBFS @ -10 dBV: +2 dBV
- Sample rate internally: 32, 44.1, 48, 64, 88.2 kHz, 96 kHz, 128, 176.4, 192 kHz
- Sample rate externally: 28 kHz - 200 kHz
- Frequency response AD/DA, -0.1 dB: 5 Hz - 21.5 kHz (sf 48 kHz)
- Frequency response AD/DA, -0.5 dB: < 5 Hz - 43.5 kHz (sf 96 kHz)
- Frequency response AD/DA, -1 dB: < 5 Hz - 70 kHz (sf 192 kHz)
- Accepted power supply voltage DC 8 V - 28 V, AC 8 V - 20
- Switching power supply: included, for worldwide operation at 100-240 Volt



ADI-2