

ADI-2 Series

Ultra-Fidelity Reference Converter Class



The outstanding choice for studio reference playback,
professional mastering and audiophile listening environments

RME

ADI-2/4 Pro SE

Ultra-Fidelity PCM/DSD, 768 kHz AD/DA Converter

The latest addition comes with a newly developed circuit board, improved specs and faster DSP for an outstanding transparent sound signature, extreme power headphone amplifiers including IEM power setting, super low noise 4.4 mm Pentaconn balanced connection, trigger out function for powering on/off external devices and finally an RIAA mode for directly digitizing vinyl discs in highest quality.

The ADI-2/4 Pro SE is a 2-channel analog input to digital and 4-channel digital to analog output converter in a half-rack (9.5") enclosure of 1 U height. Latest 32 bit / 768 kHz converters offer up to 123 dBA signal to noise ratio. Reference class tech specs throughout are combined with an unprecedented feature set. A powerful DSP adds all kinds of useful audio processing, including 5-band parametric EQ, fast Bass/Treble adjustment, Crossfeed, and a new concept in Loudness sound control.

The ADI-2/4 Pro includes two servo-balanced analog inputs on combo XLR / TRS jacks, two separate balanced and unbalanced outputs on XLR and TRS, two stereo Extreme Power headphone outputs on the front for easy balanced operation of all headphones, including IEMs via Pentaconn connector. Also available are optical SPDIF I/O, which also understands ADAT, as well as coaxial SPDIF (RCA) and AES I/O (XLR) via an included breakout cable. This universal set of I/O options offers superior quality and flexible connectivity to those who take a no-compromise approach to audio.

With independent balanced outputs for Line and Phones, balanced phones no longer mutes the rear outputs. Balanced Line and Balanced Phones outputs can be used simultaneously, even with different sources/signals. The balanced TRS in the back can be fed from Line 1/2 or Phones 3/4 signal path, perfect for handling insert effects during the mastering process.



Connectivity

- 1 x Stereo Analog In, 2x Out // 1 x ADAT or SPDIF I/O
- 2 x "Extreme Power" Headphone Outputs
- 1 x USB 2.0 (USB 3.0 compatible)



Remote Control

Highlighted Features



I/O



SteadyClock FS



CC MODE



768 kHz



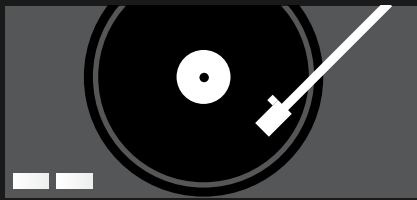
AutoMode



RIAA Mode

Optional

- 19" Rackmount (Unirack)



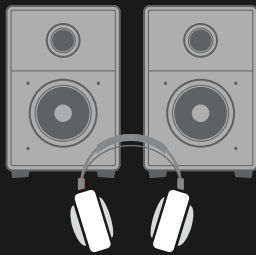
RIAA mode for directly digitizing vinyl discs in highest quality.

- ▶ **HIGH POWER**
- LOW POWER**
- IEM**

Lower noise Extreme Power design with additional IEM power state for full IEM compatibility.



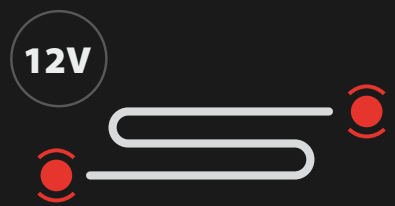
New 40 Watt SPMPs included that uses IEC socket/cable with special grounding - no side effects from leakage currents, and no ground loops either.



Independent Balanced Outputs, use the Main XLR out for speakers and headphone preamp at the same time.



Easy balanced operation of all headphones, including IEMs via Pentaconn connector.



Trigger Out Remote Socket for powering on/off external devices



BLACK EDITION

ADI-2 Pro FS R

Ultra-Fidelity PCM/DSD, 768 kHz AD/DA Converter

RME's reference AD/DA converter is an USB 2.0 DAC, interface and a high-end headphone amplifier. Its design, unique specifications, user features and its ability to deliver crystal transparency, make it perfect for mastering and measurement applications as well as the ultimate tool for audiophiles everywhere.

The ADI-2 boasts high-grade components and intelligent circuitry throughout its half rack design. With RME's fresh concept in Plug & Play the comprehensive feature set is easy to set up and use. Based on current connections the ADI-2 Pro FS R will automatically switch to AD/DA converter, USB interface or analog preamp mode. A specific mode can be set if required.

The ADI-2 Pro FS R offers sample rates of up to 768 kHz for both AD (2) and DA (4) channels of conversion. The new ADI-2 Pro FS R Black Edition features the AK4493 chip, slightly improved specs and comes with the extended Multi-Remote Control (MRC).

RME have incorporated many unique features, not found on any comparable devices, like 5-band parametric EQs for fully individual phones compensation, adjustable Bass/Treble controls with quick access, a binaural crossfeed function, adjustable loudness filter, selectable AD/DA filters, four discrete I/O reference levels, auto reference level setting, auto balanced phones mode, and many more.



Easy USB operation for MAC, PC and iOS Devices. Class Compliant ready.



Including Mastering features such as Crossfeed, stereo width and M/S Processing.

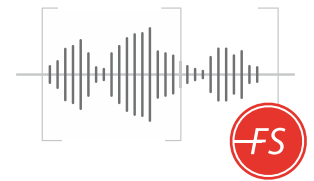
elysia relies on the ADI-2 Pro FS R for product development and mastering



SteadyClock FS - FemtoSecond Clocking

In digital audio, the clock frequency is an essential factor, as it creates the correlation between the audio bits and the time reference. Unfortunately, the clock frequency is not always as stable as desired. The ADI-2 Series offers the latest SteadyClock FS technology for lowest jitter and highest jitter immunity. Excellent performance in all clock modes and High Quality Analog Conversion.

Digital format conversion in RME products are done without any loss or degradation, and SteadyClock FS ensures your sonic image will never experience degradation. This helps to optimize recordings and mixes because the soundstage has more depth and clarity.



Ultra precise professional audio clock with FemtoSecond accuracy & complete jitter immunity for stunning detailed audio conversion.

Mastering engineer Marc Einstmann and the ADI-2 Pro FS



Connectivity

- 1 x Stereo Analog I/O // 1 x ADAT or SPDIF I/O
- 2 x "Extreme Power" Headphone Outputs
- 1 x USB 2.0 (USB 3.0 compatible)



Remote Control

Highlighted Features



I/O



SteadyClock FS



CC MODE



768 kHz



AutoMode

Optional

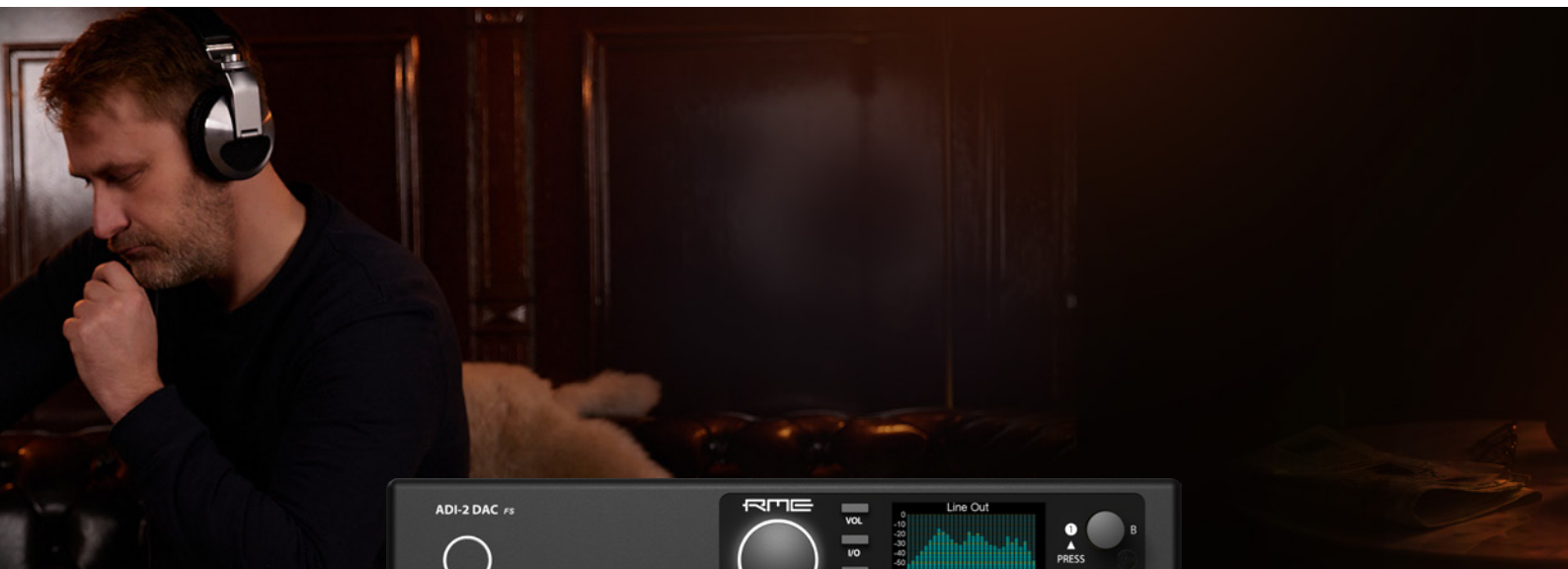
- 19" Rackmount Kit (RM19-X)
- 19" Rackmount (Unirack)

First-class Listening Experience

The ADI-2 DAC is the home and hi-fi optimized version of the ADI-2 Pro FS, a studio AD/DA converter of the highest quality. With many fresh ideas, innovative features and numerous useful functions, the ADI-2 DAC quickly became the reference. Thanks to its combination of high-end DA conversion with two exceptional headphone outputs, it has received countless enthusiastic reviews for its sound, flexibility, and technical capabilities.



Equipped with Extreme Power Headphone Output & Super Low Noise IEM Output for an ultimate listening experience!



Connectivity

- 1 x SPDIF Input coaxial // 1 x ADAT or SPDIF Input optical
- 1 x RCA Analog Stereo Output unbalanced
- 1 x XLR Analog Stereo Output balanced
- 1 x "Extreme Power" Headphone Output
- 1 x "Super Low Noise" IEM Output



Remote Control

Highlighted Features



I/O



SteadyClock FS



CC MODE



768 kHz



AutoMode

ADI-2 DAC FS

Ultra-Fidelity PCM/DSD 768 kHz DA Converter



The ADI-2 DAC includes SteadyClockFS, a fine-tuned to perfection analog circuitry, the new MRC remote control, extreme Power headphone output and a very special IEM output. It has all the bells and whistles that made the ADI-2 Pro famous, including its perfectly transparent sound signature and full DSP processing with Bass, Treble, Loudness, 5 Band Parametric EQ, Crossfeed and much more. With its simplified operation and stunning design it is the ideal center piece from home listening up to studio reference playback.

Multi Remote Control (MRC)

The black ADI-2 Series remote control provides buttons for standby on/off, volume, balance, bass and treble, input selection (optical, coaxial, USB), mute, on/off loudness, bass/treble and EQ. In addition, there are four programmable buttons that provide access for up to 52 different functions and commands for maximum flexibility.

There is no other converter or comparable device with such a sophisticated, easy to use and at the same time versatile remote control!



ADI-2 FS

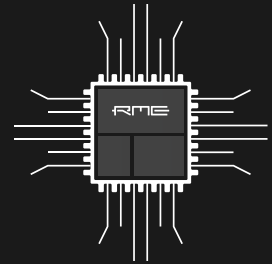
High-Precision 192 kHz 2-Channel AD/DA converter

The ADI-2 FS is a compact and extremely flexible 2-Channel Hi-End AD/DA-converter. The small 9.5" unit offers first-class AD/DA-conversion from/to SPDIF, AES and ADAT, at up to 192 kHz. Its ability to use SPDIF, AES and ADAT format provides outstanding compatibility. Whatever it is - simply get connected!

Balanced analog inputs and outputs, monitoring via headphone output, SteadyClock FS for optimal conversion quality, 3-stage hardware input and output level control and the additional modes D-D and A-A turn the ADI-2 FS into a universal tool and a flexible problem-solver. Its pro-class sound qualifies it also as extension for other premium converters.

The ADI-2 FS is equipped with two servo-balanced analog line inputs via XLR/phones combo jacks, simultaneously usable balanced XLR and unbalanced phone jacks, an adjustable High Power headphone output on the front, an ADAT compatible optical SPDIF I/O, and a coaxial SPDIF I/O (RCA, AES/EBU compatible).

The analog inputs use the advanced circuit design of the highly acclaimed ADI-2 Pro, thus offering outstandingly low noise and distortion as well as an extended frequency response. Three different settings for input and output levels provide perfect compatibility in the analog domain.



Featuring the **ADI-2 Pro FS** advanced circuit design & **SteadyClock FS** technology.

With 192 kHz sampling frequency, lowest distortion & dynamic range of 120 dBA.

The clear layout and distinct labeling of the front panel make it easy to operate the unit right out of the box



Unexpected Versatility in Format Conversion

With input selection set to DIG the device works as a digital format converter with simultaneous monitoring. The AD converter is disabled, the DA converter still used for monitoring the digital input signal, at the rear outputs and the headphone output. A format conversion is possible between all options - SPDIF coaxial (or AES) with Professional or Consumer Status, as well as ADAT.

The output selection ANA connects the analog output circuitry directly to the analog input circuitry. The DA converter is no longer active. The AD converter continues to convert the analog input signal to SPDIF (AES) or ADAT, with the outputs SPDIF coaxial and ADAT optical simultaneously available. This 'analog bypass' allows the ADI-2 FS to be used as an analog preamp. Gain and attenuation can be achieved via the level adjustment of input and output, or even fully variable when the VOL potentiometer is inserted. In this mode, the ADI-2 FS supports analog levels up to +22 dBu. In addition, it can work as a converter balanced to unbalanced and vice versa.



Connectivity

- 2 x Analog In / 2 x Analog Out
- 1 x ADAT or SPDIF I/O (optical and coaxial, AES/EBU compatible)
- 1x Stereo High Power Headphone output

Highlighted Features



I/O



SteadyClock FS



192 kHz

Optional

- 19" Rackmount Kit (RM19-X)
- 19" Rackmount (Unirack)

ADI-2 Remote

Fully-featured Software Control for Mac, iPad & Windows

The ADI-2 Remote software controller offers an easy to understand, intuitive and complete interface for managing all settings and options of the ADI-2 series devices. The app supports ADI-2 DAC, ADI-2 Pro AE (Anniversary Edition), ADI-2 Pro and FS, ADI-2 Pro FS R BE and ADI-2/4 Pro SE.



The ADI-2 Remote app

The option to control the ADI-2 directly via software is not only a welcome addition to anyone who enjoys tinkering with its countless features – namely the on-board parametric EQ, Loudness On/Off and Crossfeed – or experimenting with the DACs different filter types (SD Sharp, NOS etc). In fact it is extremely useful for any user. EQ settings and even complete setups can be saved and loaded from/to the computer and iPad. EQs for specific headphones or applications can be easily shared with others, backups can be stored/loaded, and device states copied and transferred with ease, on all supported platforms.

The ADI-2 Remote software consists of several main pages: Line input (for 2 Pro and 2/4 Pro), one page per output (Line Out, Phones Out, IEM Out etc), a general Device page with all channel unrelated settings, and a PEQ Editor that can be used to edit, save or load PEQs without changing the currently active EQ.

Under the hood the ADI-2 Remote uses a USB MIDI port to communicate with the hardware device. The connection is the same as usual – via USB 2.0 to a Windows computer, a Mac computer, or an iPad. The used MIDI protocol is available for developers as download from the RME website as well.

FEATURE COMPARISON



	ADI-2 DAC FS	ADI-2 PRO FS (R)	ADI-2/4 Pro SE	ADI-2 FS
Analog Ins/Outs	0/2	2/4 (Dual DAC)	2/4 (Dual DAC)	2/2
Samplerate Analog I/O	up to 768 kHz	up to 768 kHz	up to 768 kHz	up to 192 kHz
Digital Ins/Outs (up to 192 kHz)	2/0	4/4	4/4	2/2
Headphone Outs (Amps)	Extreme Power + IEM	2 x Extreme Power	2 x Extreme Power or Pentaconn	Extreme Power
Balanced Headphone Output Mode	-	yes	yes	-
In-Ear-Monitoring Out (IEM)	yes	-	yes	-
USB Connection (up to 768 kHz)	yes	yes	yes	-
SteadyClock FS	yes	yes	yes	yes
Analog In connectors (L/R)	-	XLR + TRS	XLR + TRS	XLR
Analog Out connectors (L/R)	XLR + RCA	XLR + TS	XLR + TRS	XLR + TRS
Analog Out Signal-to-noise ratio (XLR)	120 dBA	124 dBA	123 dBA	121 dBA
Digital AES/EBU	In (coaxial)	In/Out (XLR/coaxial)	In/Out (XLR/coaxial)	In/Out (coaxial)
Digital SPDIF	In (coaxial/optical) Record via USB	In/Out (XLR/coaxial/optical) Record via USB	In/Out (XLR/coaxial/optical) Record via USB	In/Out (coaxial/optical)
Digital ADAT (instead of SPDIF optical)	In (2 Ch.)	In/Out (2 Ch.)	In/Out (2 Ch.)	In/Out (2 Ch.)
30-Band Spectral Analyzer	yes	yes	yes	-
DSP Effects (Double 5-Band EQ L/R)	yes	yes	yes	-
DSD (64/128/256)	yes	yes	yes	-
Analog Output level (switchable) XLR	+19, +13, +7, +1 dBu	+24, +19, +13, +4 dBu	+24, +19, +13, +7, +1 dBu	+19, +13, +4 dBu
iPhone, iPad, Linux, macOS USB CC mode	yes	yes	yes	-
Programmable Remote Control	yes	yes	yes	-
Overload / Short Protection Phones	yes	yes	yes	-
DC Protection Phones	yes	yes	yes	-
Click/Pop suppression on analog outs	yes	yes	yes	-
Trigger Out Remote Socket	-	-	yes	-
Special IEM Mode	-	-	yes	-
RIAA Mode	-	-	yes	-
True Balanced Phone Mode	-	-	yes	-
DigiCheck	yes	yes	yes	-
Loopback via USB	yes	yes	yes	-

Specs are valid for the latest versions: ADI-2 FS DAC (2020), ADI-2 PRO FS R Black Edition (2020), AKM and ESS versions (from Mid 2021) provide the same specs.

A new Experience in Sound and Quality



ADI-2/4 Pro SE // ADI-2 Pro FS R Black Edition // ADI-2 DAC FS // ADI-2 FS // DPS-2

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