

ROSETTA 800

8-channel, 24bit/96kHz AD/DA Converter



The Next-Generation Sound Quality of the AD-8000 for the Price of a Multi-channel Rosetta.



The ROSETTA 800 offers an incredible Apogee conversion system and direct connectivity to virtually any DAW including Pro Tools HD, Mix and all native solutions via FireWire.

The ROSETTA 800 takes two of Apogee's most celebrated products and the latest in high-definition digital audio and combines them into one impressive package. The ROSETTA 800 gives you eight channels of superior AD/DA conversion at sample rates of up to 192k, Apogee's "SoftLimit", "UV22HR", and our advanced "Intelliclock". The result is a premium digital recording solution that is built for the professional recording facility yet economical enough for the project studio.

Legendary Apogee Conversion in High-Definition

The most crucial process in the digital recording environment is high-quality analog to digital conversion and the most trusted and desirable converters are made by Apogee. With up to 96k standard and optional 192k sample rates, the ROSETTA 800 combines Apogee's legendary conversion quality with flexibility that complements any digital audio workstation.

Connect Directly to Pro Tools HD and Mix systems with the X-HD and X-Digi-Mix expansion cards

Users of Pro Tools Mix can bring their system up to date by adding a ROSETTA 800 outfitted with an X-Digi-Mix card. The X-Digi-Mix card will connect directly to the Pro Tools Mix core card, no other hardware required, effectively extending the life of your Mix system and optimizing your recording chain with premium Apogee conversion. Pro Tools HD users can also enjoy the direct connectivity and superior Apogee sound when they add an X-HD card to their ROSETTA 800 with no other hardware required.

Go Native with the X-FireWire expansion card

For users of Logic, Nuendo or any of the many native DAW's the X-FireWire expansion card provides an extremely low latency connection that supports FireWire S400 and S800 standards. And, if you are buying multiple units, you can daisy chain up to a whopping 120 channels with incredibly low latency.

Intelliclock: Dual Stage Jitter Reduction

Another essential for outstanding digital recording is maintaining an ultra-low-jitter, clock signal. To accomplish this, ROSETTA 800 utilizes Apogee's Intelliclock. Intelliclock is really two clocks in one. A fast-responding 'read' clock, with a wide locking range, fills a dedicated FIFO buffer, while an ultra-low-jitter 'write' clock writes the data out of the buffer, and is used to clock the converters.

SoftLimit: Maximize Levels, Minimize Overs

One of the greatest difficulties in digital recording is getting an adequate level without clipping and unwanted distortion. With Apogee's SoftLimit, you can maximize digital output levels without overs.

UV22HR: Dither Down with 24-bit Detail

UV22HR is Apogee's industry standard technology for reducing the word-length of a high-resolution digital signal to 16 bits for the Internet and CD mastering. UV22HR is also being employed to produce dramatically improved Internet and computer audio content without increased file sizes or data rates.

ROSETTA 800 Features & Specifications

- ▶ 8 channels of premium 24-bit AD/DA conversion
- ▶ Sample rates up to 96kHz with optional 192kHz upgrade
- ▶ 8 channels of AES, ADAT I/O
- ▶ Optional FireWire expansion card for compatibility with OS X, and Windows XP (X-FireWire card)
- ▶ Optional expansion card for direct connection to Pro Tools HD (X-HD card)
- ▶ Optional expansion card for direct connection to Pro Tools Mix (X-Digi-Mix card)
- ▶ "Soft Limit" for maximum digital level without overs
- ▶ "UV22HR" for superior dither of high-resolution digital signal to 16 bits for the Internet and CD mastering

Inputs:

- Analog In 1-8: Balanced, DSUB connector
- AES in: x 4, transformer balanced, DSUB connector
- Optical - ADAT/SMUX In: Toslink
- WC In: BNC 75 ohm

Outputs:

- Analog Out 1-8: Balanced, DSUB connector.
- AES Out: x 4, transformer balanced, DSUB connector
- Optical - ADAT/SMUX Out: Toslink
- WC Out: BNC 75 ohm

Specs:

- Sample rates: 44.1 - 48k, 88.2 - 96k (+/-10%); 176.4 - 192k (optional)
- Frequency response: 10 - 20k (+/- 0.2 dB) at 44.1k
- Analog max levels: +6dBV, +20dBu, +24dBu max (set by internal jumper)
- Dynamic range: 114 dB A weighted (AD + DA)
- THD+N: -105 dB (AD), -103 dB (DA)
- Power: 90-250 VAC, 50-60Hz, 45Watt

Due to on-going development Apogee reserves the right to change all information and specifications without notice.

Rear Panel



For more info: 310.915.1000
www.apogeedigital.com/rosetta800

