

ROSETTA 200

2-channel, 24bit/192kHz AD/DA Converter



Introducing the Rosetta 200 A New Generation of Apogee 2x2



Apogee's latest 2-channel high-end conversion system featuring 192kHz sampling rates, "CODA" Audio Finishing Module and MIDI support

The Rosetta 200, Apogee's successor to the PSX-100 and Rosetta AD namesake, delivers the quality of the popular Rosetta 800, in a 2-channel AD/DA solution. Like the Rosetta 800, the 200 features premium Apogee A/D and D/A conversion, 192k sampling rates (standard), optional Pro Tools HD, Mix and FireWire expansion cards and core Apogee technologies such as UV22HR, and SoftLimit. And while the Rosetta 200 shares much of its feature set with its cousin, it throws in some irresistible extras such as the new, CODA, Audio Finishing Module, full channel metering, and MIDI and S/PDIF input and output. Flexibility and features galore make the Rosetta 200 an outstanding option for professional and project studios, mastering engineers, and audio archivists.

Legendary Apogee Conversion in High-Definition

The most crucial component in the digital recording environment is high-quality A/D conversion and the most trusted and desirable converters are made by Apogee. With up to 192k sample rates, the ROSETTA 200 combines Apogee's legendary conversion quality with flexibility that complements any digital audio workstation.

Connect directly to Pro Tools HD and Mix systems

Like the all new generation Apogee hardware, the ROSETTA 200 has an expansion card slot that accommodates all Apogee X-Series cards. This gives the Rosetta 200 outstanding connection capability to Pro Tools HD and Mix systems. With either the "X-HD" card or the "X-Digi-Mix" card connect the Rosetta 200 directly to your Pro Tools core card, no other hardware required.

Professional FireWire connectivity (X-FireWire card)

FireWire and digital audio are turning pro with Apogee's new "X-FireWire card". With the optional FireWire card installed, you'll be able to connect the ROSETTA 200 natively to any FireWire input device, with near zero latency and without the need for additional hardware.

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.

The all new CODA: Audio Finishing Module, including the Aptimizer, Sample Rate Conversion (SRC), and UV22HR

As higher definition audio becomes ever-present in the recording process and music continues to be delivered as a product at 44.1kHz/16-bit you need tools to minimize the loss of detail and quality that can be inherent in the course of music production. To meet these challenges Apogee has developed CODA. Unique to the Rosetta 200, CODA offers a trio of tools that will preserve

CODA AUDIO FINISHING MODULE

the integrity of hi-def recordings with a minimal loss of quality. Heading up the CODA threesome is Apogee's "Aptimizer". With the

Aptimizer you can maximize levels with out increasing noise and distortion. Great for recording, and mastering, the Aptimizer's "Learn" mode allows the Rosetta 200 to automatically determine the optimum level, and use it consistently to normalize incoming audio. Another aspect of CODA is premium sample rate conversion (SRC). In the past, Apogee hardware has not offered sample rate conversion because the results were disappointing but recent advances have made SRC a viable option and now a vital part of CODA. With Apogee's implementation of sample rate conversion you can up or down sample without noticeably affecting the quality of your audio. Apogee's UV22HR dithering technology completes the CODA triangle by offering powerful reduction of high-resolution digital audio to 16 bits for the Internet and CD mastering. It is estimated that UV22HR is used on 8 out of 10 commercially released CDs in the U.S. The Rosetta 200 with CODA on board provides an end-to-end solution for capturing and optimizing high definition digital.

Intelliclock: Dual Stage Jitter Reduction

Another essential for outstanding digital recording is maintaining an ultra-low-jitter, clock signal. To accomplish this, ROSETTA 200 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.

ROSETTA 200 Features & Specifications (preliminary)

- ▶ 2 channels of premium 24-bit AD/DA conversion
- ▶ Sample rates up to 192kHz with Apogee's "Intelliclock"
- ▶ 2 channels of AES, S/PDIF (coax & optical), and ADAT/SMUX I/O MIDI 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 & Mix systems (X-HD card, X-Digi-Mix card)
- ▶ "Soft Limit" for maximum digital level without overs
- ▶ "CODA": The "Aptomizer" Level Normalizer, Sample Rate Conversion (SRC), and Apogee's "UV22HR" for superior dither to 16-bit
- ▶ Full channel metering

Inputs:

- Analog In 1-2: Balanced, XLR connectors
- AES in: x 2, transformer balanced, XLR connectors
- S/PDIF In: Toslink and Coax
- ADAT/SMUX In: Toslink
- WC In: BNC 75 ohm

Outputs:

- Analog Out 1-2: Balanced, XLR connector.
- AES Out: x 2, transformer balanced, XLR connector
- S/PDIF Out: Toslink and Coax
- ADAT/SMUX Out: Toslink
- WC Out: BNC 75 ohm

Specs:

- Sample rates: 44.1 - 48k, 88.2 - 96k, 176.4 - 192k (+/-10%);
- 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



Prototype version shown without MIDI connectors

For more info: 310 915.1000
www.apogeedigital.com/rosetta200

