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Technical Specifications



ULTRAGAIN PRO-8 DIGITAL ADA8000

Audiophile 8-Channel A/D & D/A Converter with
Premium Mic Preamplifiers and ADAT Interface

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ULTRAGAIN PRO-8 DIGITAL ADA8000

Audiophile 8-Channel A/D & D/A Converter with Premium Mic Preamplifiers and ADAT Interface

- Ultra-high quality 8-channel A/D and D/A converter for virtually any digital recording/mixing environment
- 8 state-of-the-art, studio-grade IMP "Invisible" Mic Preamps
- Phantom power on all microphone inputs
- Audiophile 24-bit A/D and D/A converters for ultimate signal integrity
- Processes 44.1 and 48 kHz sample rates
- External sample rate synchronization via wordclock or ADAT input
- Optical ADAT in/out interface for ultimate compatibility
- All mic/line inputs are routed to the ADAT output
- ADAT input can be routed to all Line outputs
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

Specifications

Microphone Inputs

Type	Electronically balanced, discrete input circuitry
Gain range	+10 to +60 dB
Max. input level	+6 dBu @ +10 dB gain for 0 dBFS
Impedance	approx. 2 kΩ balanced
Phantom power	+48 V, switchable

Line Inputs

Type	¼" TRS connector, electronically balanced, discrete input circuitry
Impedance	approx. 20 kΩ balanced, approx. 10 kΩ unbalanced
Gain range	-10 to +40 dB
Max. input level	+26 dBu @ -10 dB gain for 0 dBFS

Line Outputs

Type	XLR, electronically balanced
Impedance	approx. 500 Ω balanced, approx. 250 Ω unbalanced
Max. output level	+16 dBu @ 0 DBFS

Digital Input

Type	TOSLINK, optical connector
Format	ADAT, 8 channels, 24-bit @ 44,1/48 kHz

Digital Output

Type	TOSLINK, optical connector
Format	ADAT, 8 channels, 24-bit @ 44,1/48 kHz

A/D Converter

Type	24-bit, 64-times oversampling, delta-sigma
Dynamic range	Analog input to digital output, approx. 103 dB

D/A Converter

Type	24-bit, 128-times oversampling, delta-sigma
Dynamic range	Digital input to analog output, approx. 100 dB

Synchronization

Source	Internal 44.1 kHz, internal 48 kHz, ADAT input, wordclock input

Wordclock Input

Type	BNC, 1 x sample rate
Input level	2 to 6 V peak-to-peak
Frequency range	44.1 to 48 kHz

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System Specifications

Frequency range	10 Hz to 21 kHz @ 48 kHz sample rate
THD	<0,01%
Crosstalk	<-86 dB

Power Supply

Mains voltage

USA / Canada	120 V~, 60 Hz
Europe / U.K. / Australia	230 V~, 50 Hz
Japan	100 V~, 50 - 60 Hz
General export model	120/230 V~, 50 - 60 Hz
Power consumption	25 W
Fuse	100 - 120 V ~: T 630 mA H 200 - 240 V ~: T 315 mA H
Mains connection	Standard IEC receptacle

Dimensions

(H x B x T)	ca. 1 ¾ x 19 x 8 ½" ca. 44.5 x 482.6 x 217 mm
WEIGHT	approx. 2.3 kg
SHIPPING WEIGHT	approx. 3.3 kg

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