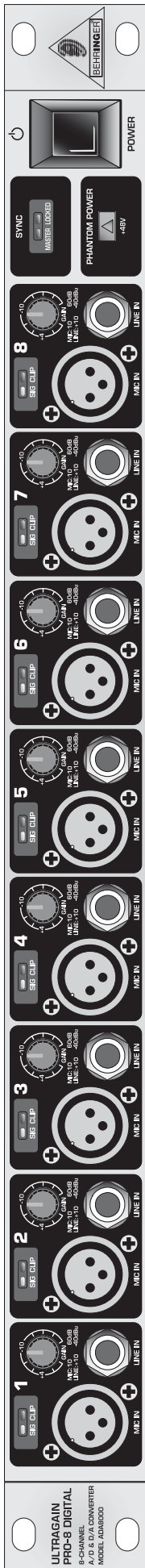


# ULTRAGAIN PRO-8 DIGITAL ADA8000



## Technical Specifications

Version 1.1 October 2003

ENGLISH

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# ULTRAGAIN PRO-8 DIGITAL ADA8000

## ULTRAGAIN PRO-8 DIGITAL ADA8000

High-End 8-Channel A/D & D/A Converter with Premium Mic Preamplifiers and ADAT® Interface



- ▲ Ultra high-quality 8-channel A/D & D/A converter for virtually any digital recording/mixing environment
- ▲ 8 new state-of-the-art, studio-grade IMP “Invisible” Mic Preamps
- ▲ Phantom power on all microphone inputs
- ▲ The perfect expansion for BEHRINGER’s digital mixing console DDX3216
- ▲ High-end 24-bit A/D and D/A converters for ultimate signal purity
- ▲ 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
- ▲ ADAT® input can be routed to all line outputs
- ▲ All mic/line inputs are routed to the ADAT® output
- ▲ Master/locked (slave) LED display easily visible on the front panel
- ▲ Extremely rugged construction ensures long life even under the most demanding conditions
- ▲ Designed in Germany. Manufactured under ISO9000 certified management system

ADA8000

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## 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 k $\Omega$ balanced
Phantom power	+48 V, switchable

### LINE INPUTS

Type	1/4" TRS connector, electronically balanced, discrete input circuitry
Impedance	approx. 20 k $\Omega$ balanced, approx. 10 k $\Omega$ 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 $\Omega$ balanced, approx. 250 $\Omega$ unbalanced
Max. output level	+16 dBu @ 0 dBFS

### DIGITAL INPUT

Type	TOSLINK, optical connector
Format	ADAT <sup>®</sup> , 8 channels, 24-bit @ 44.1/48 kHz

### DIGITAL OUTPUT

Type	TOSLINK, optical connector
Format	ADAT <sup>®</sup> , 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 <sup>®</sup> input, wordclock input
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### WORDCLOCK INPUT

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

### 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

### PHYSICAL/WEIGHT

Dimensions (H x W x D)	approx. 1 3/4" (44.5 mm) x 19" (482.6 mm) x 8 1/2" (217 mm)
Weight	approx. 2.3 kg
Shipping weight	approx. 3.3 kg

BEHRINGER constantly strives to maintain the highest quality standards. Modifications may be made, if necessary, without prior notice. The specifications and appearance of the equipment may therefore differ from those listed or illustrated.

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