

Product Brief
22. January 2008

A16 Ultra Digital/Analog-Converter

ADAT - Analog 16 x In + 16 x Out



A full view of the A16 Ultra



Connectors – Rear Panel



Switches and LEDs – Front Panel

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The A16 Ultra is a high-quality, flexible AD/DA converter in a robust 19 inch/1U rackmount unit with fully-symmetrical balanced phone jacks. Having 16 analog inputs and 16 analog outputs with uncompromising sound quality, two ADAT optical- and two Z-Link interfaces the A16 Ultra is the perfect choice for professional studio setups.

Highlights

- Two independent ADAT interfaces, fully compatible with all devices which feature this widely-used digital interface, including S/MUX option for 8 channel I/O at 24 bits / 96kHz
- The SONIC CORE-proprietary Z-Link interface, based upon FireWire technology, offers higher transfer bandwidth than ADAT thus allowing up to 16 channels at 24 bits / 96 kHz
- Ideal for use with all Sonic Core systems that are equipped with Z-Link. Using the A16 via Z-Link adds the possibility to use up to two external ADAT-compatible devices via the ADAT optical connectors
- The level indicators permit convenient, precise setting of signal levels and allow you to keep everything under visual control at all times
- Integrated Memory function - the converter stores its current settings when you switch power off thus allowing for a smooth workflow at the next power up.

Technical Spezifications

- high quality 24-Bit / 96 kHz AD/DA converters (AKM) ensure crystal-clear sound and absolute fidelity
- 16 analog inputs and 16 analog outputs with fully-symmetrical balanced phone jacks
- Analog level switchable between -10 dBv and +4 dBu
- Supported sample rates: 32, 44.1, 48, 88.2 and 96 kHz
- Two ADAT optical interfaces: 2 x 8-channel I/O, 24 bits
- Two SONIC CORE Z-Link interfaces for 16 I/O channels with 24 bits / 96 kHz
- S/MUX in hardware: 8 channel I/O at 24 bits / 96kHz via ADAT optical
- BNC Wordclock I/O for full synchronization of a complete digital setup
- 16 VU meters using 5-segment LED indicators

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Questions and Answers

Q: How many ADAT optical interfaces do I need if I want to use all 16 audio inputs and all 16 audio outputs at a sample rate of 48 kHz?

A: One ADAT optical interfaces provides a transmission bandwidth of 8 I/O channels at 24 bits / 48kHz. So you need two ADAT optical I/O ports.

Ordering Information

Product Name	A16 Ultra AD/DA-Converter
Item Number	60 0000 2
Recommended Retail Price	860,- EUR excl. TAX
Included Accessories	Power supply, Toslink optical Cable, User manual
Weight incl. Packaging	5,5 kg
Product Dimensions	19 inch/1U rackmount unit (Width) 44,7 x (Height) 4,5 x (Depth) 17 cm
Packaging Dimensions	(Width) 55 x (Height) 17 x (Depth) 41 cm

You can get further information on this product in the web at www.soniccore.com, via email to info@soniccore.de or by phone at +49-2241-301 95 95.

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