



Aurora 16-VT Mastering Quality AD/DA Converter

Variable Trim Model

Expanding its line of Aurora 192 kHz AD/DA converters, Lynx Studio Technology now also offers the Aurora 16-VT model. Aurora 16-VT allows users to manually set the analog input and output levels within a range of +8.5 dBu to +24 dBu. 32 miniature trim pots are mounted on the primary circuit board to allow the adjustments.

Since 2005, Aurora has established its position as a leading high end converter for recording studios around the world. Some studios who want the advantage of Aurora's pristine audio quality and versatility, also require the ability to manually set analog levels for optimum performance with other outboard equipment. The Aurora 16-VT provides this capability, while preserving Aurora's other features, specifications and signature transparent sound.

The standard Aurora 16 and Aurora 8 continue to be available.

KEY SPECIFICATIONS AND FEATURES

- Internal manual trim controls on all analog input and analog output channels
- Analog levels are continuously variable between +8.5 dBu and +24 dBu
- Aurora 16: Simultaneous 16 Channel Analog I/O and 16 Channel AES/EBU I/O
- 24 Bit / 192 kHz Mastering Quality A/D and D/A Conversion
- 192 kHz AES/EBU I/O
- Supports Single and Dual Wire Modes
- Single Rack Space Configuration
- Extensive Remote Control Capability via Lynx AES16, AES16e, IrDA and MIDI
- LSlot™ Expansion Slot for ADAT, ProTools|HD®, FireWire, MADI, USB
- On-board Digital Mixer Provides Flexible I/O Routing
- Word clock I/O with Lynx SynchroLock™ Sample Clock Technology
- Designed and manufactured in the USA
- US Suggested Retail Price \$3595.00

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LYNX AURORA 16-VT SPECIFICATIONS

ANALOG I/O

Aurora 16-VT	Sixteen inputs and sixteen outputs
Type	Electronically balanced or unbalanced
Level	Variable trim +8.5 to +24 dBu
Input Impedance	Balanced mode: 24k Ω Unbalanced mode: 12k Ω
Output Impedance	Balanced mode: 100 Ω Unbalanced mode: 50 Ω
Output Drive	600 Ω impedance, 0.2 μ F capacitance
A/D and D/A Type	24-bit multi-level, delta-sigma

ANALOG IN PERFORMANCE

Frequency Response	20 Hz - 20 kHz, +0/-0.1 dB
Dynamic Range	117 dB, A-weighted
Channel Crosstalk	-120 dB maximum, 1 kHz signal, -1 dBFS
THD + N	-108 dB (0.0004%) @ -1 dBFS -104 dB (0.0006%) @ -6 dBFS 1 kHz signal, 22 Hz - 22 kHz BW

ANALOG OUT PERFORMANCE

Frequency Response	20 Hz - 20 kHz, +0/-0.1 dB
Dynamic Range	117 dB, A-weighted
Channel Crosstalk	-120 dB max., 1 kHz signal, -1 dBFS
THD + N	-107 dB (0.00045%) @ -1 dBFS -106 dB (0.00050%) @ -6 dBFS 1 kHz signal, 22 Hz - 22 kHz BW

DIGITAL I/O

Number / Type	16 inputs and 16 outputs 24 bit AES/EBU format, transformer coupled
Channels	16 in/out in single-wire mode 8 in/out in dual-wire mode
Sample Rates	All standard rates and variable rates up to 192 kHz in both single-wire and dual-wire modes

ON-BOARD DIGITAL MIXER (via AES16/AES16e)

Type	Hardware-based, low latency
Routing	Ability to route any input to any or multiple outputs
Mixing	Up to 16 input or playback signals mixed to any output, 40-bit precision
Status	Peak levels to -114 dB on all inputs and outputs

CONNECTIONS

Digital I/O Ports	25-pin female D-sub connectors. Yamaha pinout Port A: channels 1-8 I/O Port B: channels 9-16 I/O
Analog I/O Ports	25-pin female D-sub connectors. Tascam pinout. Analog In 1-8 Analog In 9-16 Analog Out 1-8 Analog Out 9-16
External Clock	75-ohm BNC word clock input and output
MIDI	One input and one output. Standard opto-isolated, 5-pin female DIN connectors

REMOTE CONTROL OPTIONS

Function	Controls all I/O, levels, monitoring, routing and setting recall
Method	AES16/AES16e: With PC or Macintosh IrDA: For compatible Pocket PCs and laptops MIDI: Selected MIDI devices

GENERAL

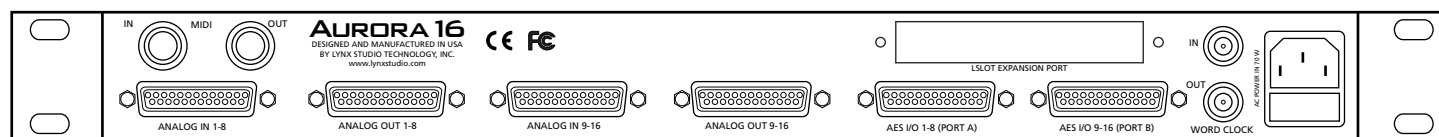
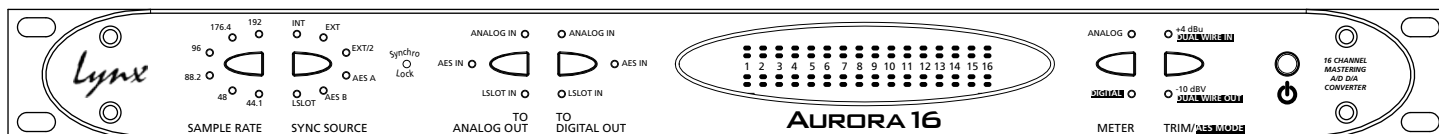
AC Power	110 / 115 / 230 VAC, 70 watts
Size	1.75" H x 19" W x 9" D
Shipping Weight	12 pounds
Certifications	CE and FCC Class B EMI, CE Product Safety

LSLOT™ EXPANSION PORT

Compatibility	Supports Lynx LSlot expansion cards
Channels	Up to 16 input and 16 output simultaneously at up to 192 kHz sample rate

OPTIONAL INTERFACE CARDS FOR AURORA L SLOT PORT

LT-ADAT	Provides 16-channel at 48 kHz, 8-channel at 96 kHz, 4-channel at 192 kHz ADAT Optical I/O
LT-HD	Provides interface for Avid® ProTools HD®
LT-FW	Provides 16 I/O channels on FireWire 400 port
LT-MADI	Provides 64 MADI I/O channels using up to four Aurora converters
LT-USB	Provides up to 16 channels of I/O on USB 2.0 port



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