2-CH Mic/Line In/Out Audio Processor with DSP and Dante

AD202E

The AD202E supports the conversion of 2 balanced / unbalanced Line/Mic level audio inputs with selectable individual 48V Phantom power into 2 Dante outputs as well as 2 Dante audio channels into 2 balanced / unbalanced line level outputs for versatile connectivity. It also enables 4 × 4 analog and Dante matrix mixing, allowing users to flexibly route any input to the assigned output, elevating sound performance. It supports 24 bit and offers sampling rate options of 44.1k, 48k, 88.2k, and 96 kHz to meet different environment needs. With AES67 compliance, the AD202E enhances interoperability between different audio networking protocols and devices.

Designed to enhance meeting experiences, the AD202E adopts Acoustic Echo Cancellation (AEC) technology to prevent echoes in a conferencing environment and Feedback Suppressor (FBS) to automatically detect and reduce feedback. Its built-in DSP allows 24 presets and quick setting adjustment through the PC-based app Audio Wizard / ATEN VK control system via LAN / RS-232. Plus, the AD202E comes with a selectable automatic Standby Mode for energy-saving purposes, switching the unit to Standby Mode automatically when the signal level runs lower than −50 / −60 / −70 dBu for a selected duration (10 / 30 / 60 minutes).

Other highlights include the support for Dante Daisy Chaining to help simplify system infrastructure wiring and for redundancy operation via PoE to eliminate the need for additional cable installations. The AD202E's compact, half-rack size enclosure makes installation under desks or on any flat surface easy. It is perfect for on-line conferences or distance learning applications that require high quality, dynamic sound performance and intelligible audio at the far end within Dante audio networking environments.
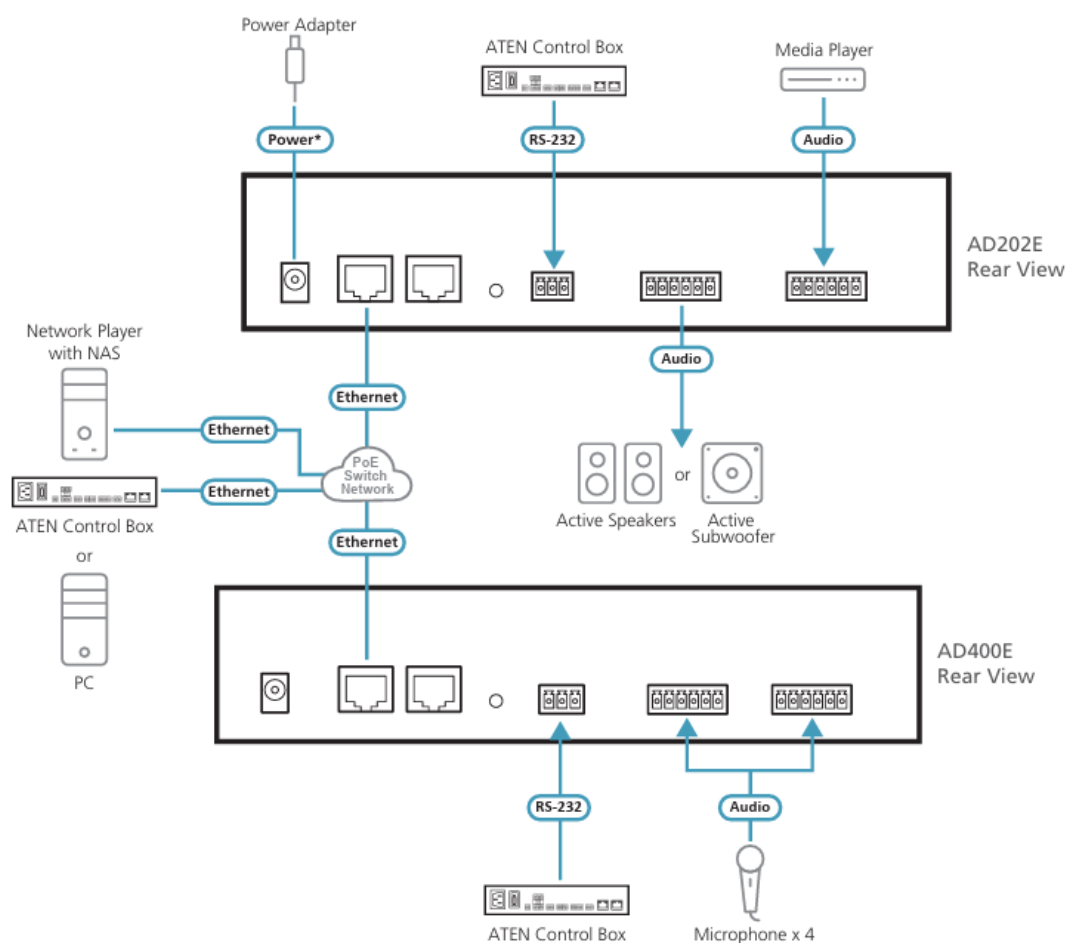
Front View

Rear View

Features

- Converts 2 balanced / unbalanced Line / Mic level audio inputs with selectable individual 48V Phantom power into 2 Dante outputs and 2 Dante audio channels into 2 balanced / unbalanced line level outputs
- Enables 4 × 4 analog and Dante matrix mixing
- Acoustic Echo Cancellation (AEC) — prevents echoes in a conferencing environment
- Feedback Suppressor (FBS) — automatically detects and reduces feedback
- AES67 compliant
- Supports 24 bit and offers sampling rate options of 44.1k, 48k, 88.2k, and 96 kHz
- Built-in DSP — allows 24 presets and speaker functionality management through PC-based app Audio Wizard / ATEN VK control system via LAN / RS-232
- Selectable automatic Standby Mode — the unit enters Standby Mode automatically when the signal level runs lower than −50 / −60 / −70 dBu for a selected duration (10 / 30 / 60 minutes)
- Supports PoE for redundancy operation and eliminating the need for additional wiring installations
- Supports Dante Daisy Chaining for simplifying system infrastructure wiring
- Compact half-rack size chassis — flexible installation inside racks and easy placement under desks or on flat surfaces

Note: The power adapter is sold separately and it supplies redundant power when PoE becomes unavailable. Please contact your ATEN dealer or go to ATEN website for available accessories and product information.

Specifications

	AD202E
Microphone Inputs	
Gain Range	0 to +34dB
Maximum Input Level	−30dBu
Impedance	3kΩ
Phantom power	+48V, Individual Control in Each Input Channel
Line Inputs	
Gain Range	Balanced: −8 to +4dB Unbalanced: −8 to +10dB
Maximum Input Level	+24dBu, Nominal Input Level: +4dBu
Impedance	Balanced: 20kΩ Unbalanced: 10kΩ
Line Outputs	
Maximum output Level	+24dBu, Nominal Input Level: +4dBu
Impedance	600Ω
System Specification	
Distortion	THD+N: <0.01%, 1kHz, Max. Gain
Frequency Response	20 to 20kHz, +/−0.5dB
Audio Sampling	24-bit, 44.1k/48k/88.2k/96kHz
Crosstalk	<−95dB
Control	
RS-232	3-pin, 3.5mm, Terminal Block
Ethernet	RJ-45
Power Consumption	DC12V:5.17W PoE:6.11W
Power	
Power over Ethernet (PoE)	Class 0, IEEE802.3af
Compliance	
Certification	FCC, CE, UKCA
Environmental	
Operating Temperature	0 – 40 °C
Humidity	0 – 80 % RH, Non-Condensing
Storage Temperature	-20 – 60 °C
Physical Properties	
Weight	0.92 kg
Housing	Metal
Dimensions (L x W x H)	20.00 × 4.40 × 15.40 cm
Note	External power adapter is sold separately.