

Features

Mix, process, amplify, and control in a single chassis

8x8 or 16x16 models

8 or 16 independent channels of amplification

Front panel control

Dual SPDIF inputs and outputs

Mic or line level inputs

15V phantom power

Up to 100 watts per channel

Optional 70V transformer

Simultaneous line and amplified outputs

Input and output DSP

True crosspoint matrix mixing

Compressor/limiter

Up to 128 system presets

Up to 64 DSP presets per channel

Real-time event scheduling

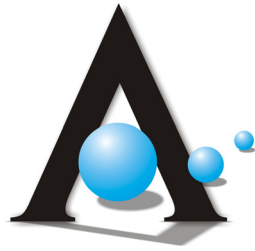
RS232 and ethernet control

Front panel USB control

PCMCIA logic control

All inclusive design, installation, and control software

Ideal for corporate boardroom, council room, house of worship, education, government, retail, themed environment, restaurant and bar, and residential audio distribution applications.

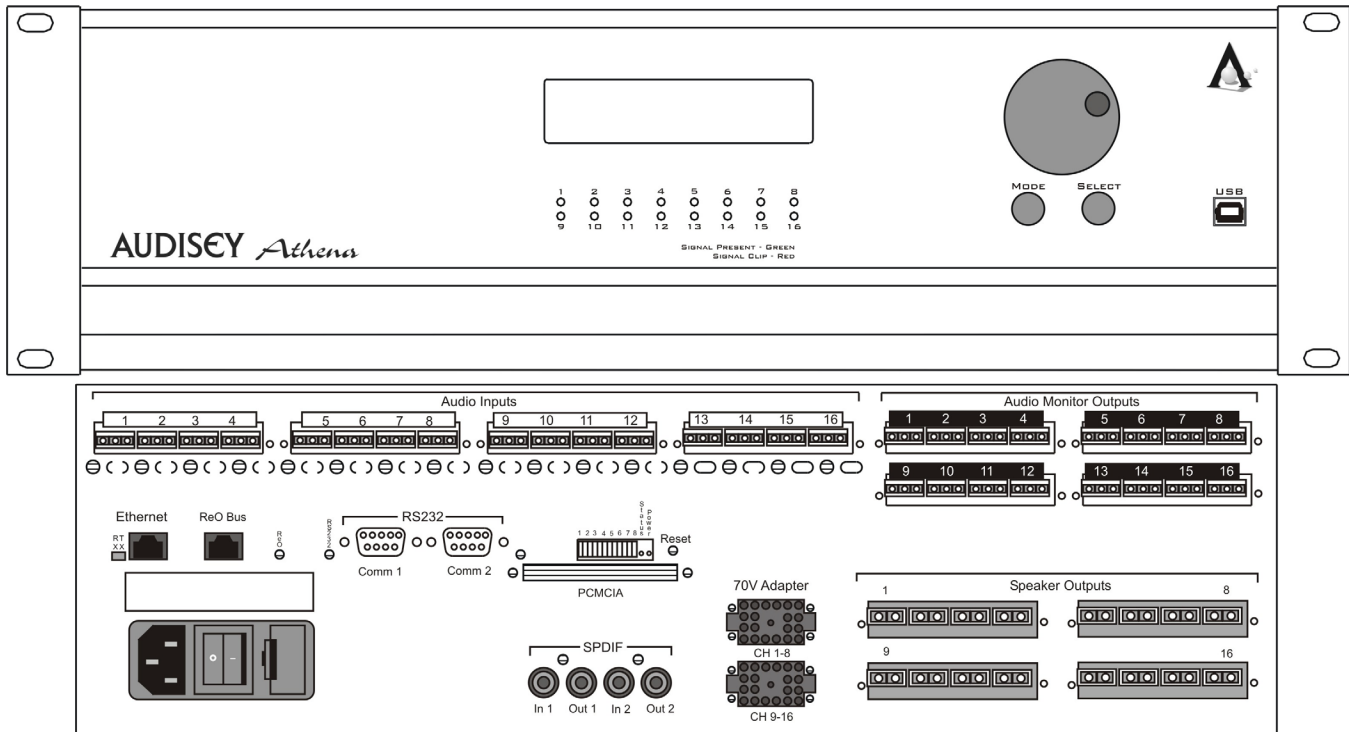


The Intelix Audisey Athena combines the performance of a true matrix mixer with the flexibility and digital signal processing of a digital amplifier—all in a single, intuitive package.

Available in 8 inputs by 8 outputs or 16 inputs by 16 outputs, the Athena features built-in audio preamplification, input signal processing, true matrix mixing, output signal processing, and either eight or sixteen channels of independent power amplification. The Athena provides users with up to 128 system presets, 64 input DSP presets per channel, and 64 output DSP presets per channel via the front panel, USB, serial, or over the internet. Real-time event scheduling software provides additional control options.

The Audisey Athena's built-in power amplifier provides a pure digital audio path and is 93% efficient. Complete short-circuit, thermal, and over-current automatic fault recovery ensure piece of mind.

**Mix, process, amplify, and control in a single chassis.
Design with Intelix and Design with Intelligence.**



Intelx Audisey Athena-16 Front and Rear Panel Line Drawings

Specifications

INPUTS

Frequency Response	±0.5 dB from 20 Hz to 20 kHz
Dynamic Range	greater than 105 dB
Crosstalk	better than -90 dB
Input Impedance	(electronically balanced) 20 kOhms (unbalanced) 10 kOhms
Nominal Source Impedance	less than or equal to 600 ohms
Nominal Input Level	+4 dBu RMS
Max Input Level	+26 dBu RMS
Maximum Voltage Gain	60 dB
Equivalent Input Noise	-129 dB @ 50 Ohms 20 Hz to 20 kHz (mic preamp stage)
Phantom Power	+15 VDC
Input Gain/Trim Range	60 dB

OUTPUTS

Monitor Output Impedance	(electronically balanced) 440 Ohms (unbalanced) 220 Ohms
Nom. Monitor Load Impedance	greater than or equal to 600 Ohms
Nominal Level	+4 dBu RMS
Maximum Level	(balanced) +26 dBu RMS (unbalanced) +20 dBu RMS
Output Master Vol. Range	-100 dB to 0 dB
Output Channel Vol. Range	-88 dB to +12 dB
Monitor Dynamic Range	greater than 112 dB (IEC-AA) range
Athena-8 Speaker Outputs	100 watts per channel max.; 400 watts total per matrix for distribution; 25 volt/8 ohm distribution systems (70 volt requires Audisey 70V-AM)
Athena-16 Speaker Outputs	100 watts per channel max.; 800 watts total per matrix for distribution; 25 volt/8 ohm distribution systems (70 volt requires Audisey 70V-AM)
Amplifier Efficiency	93% efficient
THD+N	less than .05% @ 1 watt, 8 Ohm load, 20 to 20 kHz
Amplifier Class	Class-D

GENERAL

Power Requirements	internal 120-240 VAC; 60-50 Hz 7A
Rack Spaces	3RU
Shipping Weight	24 lb (10.9 kg)
Intelx Part Number	Athena-8 (eight channel) Athena-16 (sixteen channel)

PROCESSING

Input Signal	Input preamplification gain
Processing (DSP)	control and 3-band parametric EQ
EQ Center Frequency	255 steps between 20 Hz - 20 kHz
Bandwidth	.1 to 6 octaves
EQ Filter Gain	-15 dB to +6 dB
Output Signal Processing (DSP)	High and low shelf tone control, 5-band parametric EQ, time delay, compressor/limiter, and channel output volume
Tone Corner Freq. Adjust.	20 Hz to 20 kHz
Tone Gain	-15 dB to +6 dB
Speaker Align Time Delay	0 ms to 3.92 ms
Compressor Threshold	0 dBu to -127 dB
Compressor Attack Time	1 ms to 1000 ms
Compressor Release Time	1 ms to 100 ms
Compressor Ratio	1 ms to 10 ms
Matrix Mixing	Ramping/slewing and linear/log control taper
Linear Mixing	.4 dB per step
Matrix Control	Mix control at every crosspoint
Gain	-100 dB to 0 dB

www.intelx.com