



LEGENDARY  
PERFORMANCE™

ANI4OUT | Audio Network Interface

## Specifications

### Input

(1) RJ45

### Outputs

ANI4OUT-XLR	(4) XLR connector
ANI4OUT-BLOCK	(4) 3-pin block connector

### Configuration

Impedance Balanced

### Polarity

Non-inverting, any input to any output

### Power Requirements

Power over Ethernet (PoE), Class 0

### Power Consumption

10W, maximum

### Weight

663 g (1.5 lbs)

### Dimensions

H x W x D

4 x 14 x 12.8 cm (1.6 x 5.5 x 5.0 in.)

### Control Application

HTML5 Browser-based

### Operating Temperature Range

-6.7°C (20°F) to 40°C (104°F)

### Storage Temperature Range

-29°C (-20°F) to 74°C (165°F)

## Networking

### Cable Requirements

Cat 5e or higher (shielded cable recommended)

## Audio

### Frequency Response

20 to 20,000 Hz

### Input (Dante Digital Audio)

Channel Count	4
Sampling Rate	48 kHz
Bit Depth	24

### Latency

Does not include Dante latency

0.71 ms

### Dynamic Range (Dante-to-Analog)

20 Hz to 20 kHz, A-weighted, typical

117 dB

### Total Harmonic Distortion

@ 1 kHz, -20 dBFS Output, 0 dB analog gain

<0.05%

### Output Clipping Level

Line	+20 dBV
Aux	+0 dBV
Mic	-26 dBV

### Analog Output Level

Selectable	Line	0 dB
	Aux	-20 dB
	Mic	-46 dB

### Output Impedance

150 Ω

### Built-in Digital Signal Processing

Per Channel	Equalizer (4-band Parametric), Mute, Invert Polarity, Gain (140 dB range)
System	Audio Summing

# IP Ports and Protocols

## Shure Control

Port	TCP/UDP	Protocol	Description	Factory Default
21	tcp	FTP	Required for firmware updates (otherwise closed)	Closed
22	tcp	SSH	Not supported	Closed
23	tcp	Telnet	Standard console interface	Closed
68	udp	DHCP	Dynamic Host Configuration Protocol	Open
80*	tcp	HTTP	Required to launch embedded web server	Open
427	tcp/udp	SLP <sup>†</sup>	Required for inter-device communication	Open
443	tcp	HTTPS	Not supported	Closed
161	tcp	SNMP	Not supported	Closed
162	tcp	SNMP	Not supported	Closed
2202	tcp	ASCII	Required for 3rd party control strings	Open
5353	udp	mDNS <sup>†</sup>	Required for device discovery	Open
5568	udp	SDT <sup>†</sup>	Required for inter-device communication	Open
8023	tcp	Telnet	Debug console interface	Password
8180*	tcp	HTML	Required for web application	Open
8427	udp	Multicast SLP <sup>†</sup>	Required for inter-device communication	Open
64000	tcp	Telnet	Required for Shure firmware update	Open

## Dante Audio & Controller

Port	TCP/UDP	Protocol	Description
162	udp	SNMP	Used by Dante
[319-320]*	udp	PTP <sup>†</sup>	Dante clocking
4321, 14336-14600	udp	Dante	Dante audio
[4440, 4444, 4455]*	udp	Dante	Dante audio routing
5353	udp	mDNS <sup>†</sup>	Used by Dante
[8700-8706, 8800]*	udp	Dante	Dante Control and Monitoring
8751	udp	Dante	Dante Controller
16000-65536	udp	Dante	Used by Dante

\*These ports must be open on the PC or control system to access the device through a firewall.

<sup>†</sup>These protocols require multicast. Ensure multicast has been correctly configured for your network.