

## Introduction

The Atлона **OmniStream™ 238 (AT-OMNI-238)** receives audio streamed from OmniStream AV encoders, and delivers up to 16 audio outputs, configurable as eight stereo pairs or 16 mono channels. OmniStream features industry standard, AES67-compatible audio over IP streaming. Up to sixteen channels of PCM audio can be received by the OmniStream 238. An audio stream can be routed to one or more unbalanced or balanced outputs, each with programmable volume control. The OmniStream 238 is ideal for feeding audio from HDMI sources into a whole-house audio system, as well as multiple audio zones in a commercial AV application.

The OmniStream 238 is also a Dante™ networked audio interface. Audinate Dante is a popular audio networking technology widely used in the commercial AV and professional audio industries. With Dante, the OmniStream 238 can be integrated with Dante-equipped DSPs and facility or enterprise-wide distributed audio systems for paging, background music, conferencing, and other applications.

## Applications

- Residential whole-house audio systems**  
 The OmniStream 238 can interface directly into multi-room amplifiers. It can be programmed into a control system to allow localized user volume control in separate areas throughout a residence.
- Bars, restaurants, offices, and other small to mid-sized commercial environments**  
 The OmniStream 238 is ideal for multi-zone audio, as well as delivering background music throughout.
- Large commercial environments such as convention centers, stadiums, and houses of worship**  
 The OmniStream 238 can be integrated with Dante-equipped DSPs and mixing consoles to distribute audio to designated areas or rooms.

## Key Features

### Receives up to 16 audio streams from OmniStream AV encoders

- Receives up to eight stereo or 16 mono audio streams, and sends them to analog audio outputs.
- Provides convenient integration of HDMI embedded PCM audio into whole-house and commercial audio distribution systems.

### AES67-compatible audio over IP streaming

- OmniStream R-Type features industry-standard AES67-compatible networked audio streaming between encoders, decoders, and audio interfaces.
- Also enables integration with AES67-compatible audio products and systems.

### Dante networked audio interface

- Integrate with Dante-equipped DSPs and systems.
- Interface directly into a facility or enterprise-wide distributed audio system for paging, background music, and more.

### 16 balanced or unbalanced analog audio outputs

- Configurable as stereo audio pairs or mono channels.
- Compatible with consumer or professional amplifiers and sound systems.

### Dedicated, programmable volume and mute control for each audio output

- Enables independent output level settings to control volume in a specific room or zone.
- Also ideal for establishing proper gain structure in commercial audio systems.

### IP control

- Ready for integration with Atlona Velocity™ and third-party control systems.
- Flexible options for volume and mute control through simple, convenient API access.

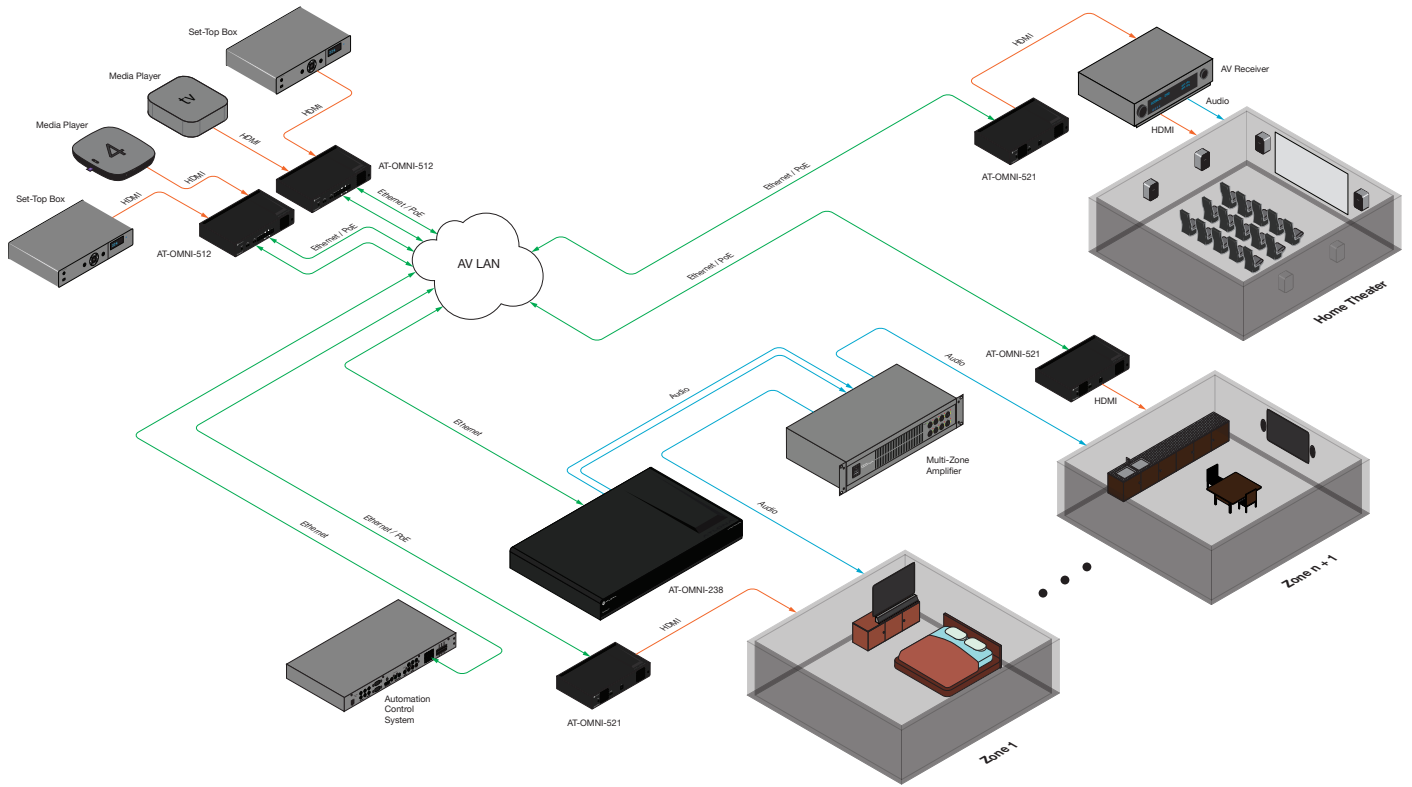
### Supports cascading up to eight units

- Integrated Gigabit Ethernet switch allows direct interconnection of multiple OmniStream 238 units.
- Simplifies integration for larger systems with just a single connection to the network.

### Configured and managed by AMS 2.0 (Atlona Management System)

- AMS is the essential network resource for centralized configuration and management of OmniStream AV systems throughout a facility or residence.
- Intuitive, flexible, and powerful GUI for routing audio between OmniStream encoders and the OmniStream 238.

## Connection Diagram



## Specifications

Connectors, Controls, and Indicators	
LAN	2 - RJ45
Audio Connectors	16 - 3-pin Euroblock-type
DC 24V	1 - 4-pin, locking

Audio Performance	
Number of Analog Output Channels	16
Output	Balanced / unbalanced with automatic muting on loss of incoming audio signal
Output Impedance	200 $\Omega$ balanced, 100 $\Omega$ unbalanced
SNR	< -90 dBu @ 0 dB gain
Dynamic Range	> 110 dB
Maximum Output Level	+20 dBu
THD	< 0.05% at any gain, input signal 3 dB below maximum

Temperature	Fahrenheit	Celsius
Operating	32 to 122	0 to 50
Storage	-20 to 70	-4 to 158

Humidity	
Operating (RH)	20% to 80% (non-condensing)
Storage (RH)	10% to 90% (non-condensing)

Dimensions	Inches	Millimeters
H x W x D	1.75 x 17.24 x 25.30	44.45 x 438.15 x 642.62

Weight	Pounds	Kilograms
Device	6.00	2.72

Certifications	
Device	CE, FCC, RoHS