

TRINNOV
AUDIO

ALTITUDE CI



Fully Networked. Fully Flexible. Fully Trinnov.

TRUSTED BY AWARD WINNERS.
HONORED BY THE INDUSTRY.
BUILT TO LEAD.

TRINNOV
AUDIO

ALTITUDE^{ci}

Power



THE FULLY NETWORKED AV PROCESSOR FOR CUSTOM INTEGRATION

PERFECTLY PAIRED WITH THE AMPLITUDE¹⁶

ALTITUDE^{CI}

The Altitude^{CI} brings Trinnov's award-winning audio performance into a format purpose-built for today's most demanding home cinema installations.

With up to 32 channels over AoIP, native Dante and Ravenna/AES67 support, and seamless control system integration, it delivers the precision, flexibility, and scalability that modern projects require — all in just 2RU.

For a fully digital, rack-efficient solution, the Altitude^{CI} is designed to pair seamlessly with Trinnov's Amplitude¹⁶ amplifier with its optional Dante input board.

Together, they form a complete, networked signal chain — eliminating unnecessary signal conversions, simplifying cabling, and preserving signal integrity from processor to power.



A NETWORK CHAMPION

Redefining AV Processors for the Networked Era

Altitude^{CI} redefines connectivity in high-performance AV systems. Built from the ground up as a fully digital, Audio over IP-native processor, it offers unparalleled flexibility and future-ready networking capabilities that simplify even the most complex installations.

Dual Native AoIP Support

With native support for both Dante (hardware) and Ravenna/AES67 (software), the Altitude^{CI} ensures seamless interoperability across consumer and professional infrastructures — including support for theatrical Dolby Atmos playback and integration with DCI servers — with no need for external converters.



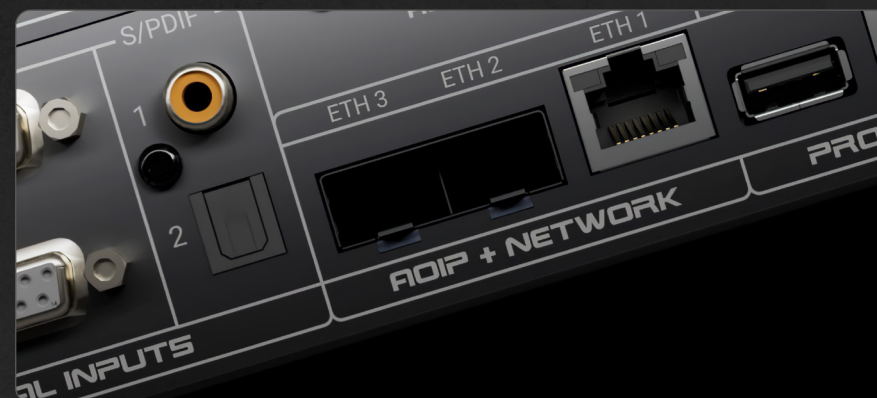
RAVENNA

Three Ethernet Ports, Maximum Flexibility

The Altitude^{CI} features three independently configurable Ethernet ports, two of which include SFP cages for fiber or copper connectivity.

These can be configured for:

- Integrated switch mode
- Redundant or isolated AoIP signal paths
- Segregated control, audio, and service networks



Optimized for Modern Installations

Whether deployed in IP-based theaters or centralized distribution systems, Altitude^{CI} delivers scalable, stable, and intelligent network integration — making it the processor of choice for AoIP-centric projects.

BUILT FOR ANY SYSTEM, CONNECT TO EVERY POSSIBILITY

From Living Room to Private Cinema

The Altitude^{CI} adapts to any project size, from 8 to 32 channels, with flexible software-based upgrades in 2-channel increments.

But scalability doesn't stop at channel count — Altitude^{CI} also offers unmatched connectivity flexibility, featuring up to 32 AES/EBU digital inputs and outputs, native AoIP via Dante and Ravenna/AES67, and 8 analog outputs for subwoofers or legacy integration.

This exceptional versatility enables integrators to tailor every system — small or large — with exactly the I/O configuration and format support the project demands.

PREMIUM SYSTEMS



Altitude^{CI}-8 | 7.1

Premium Living Room



Altitude^{CI}-12 | 7.1.4

Immersive Media Room



Altitude^{CI}-20 | 9.4.6

High-End Home Theater

LUXURY INSTALLATIONS



Altitude^{CI}-32 | 15.6.8

Large Private Cinema



Altitude^{CI}-64

DCI / Atmos Pro Integration (Built to order, Q2 2026)

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NO OTHER AV PROCESSOR
IN ITS CLASS DELIVERS THIS LEVEL
OF NATIVE AOIP FLEXIBILITY AND
NETWORK INTELLIGENCE.

Choose only what you need — upgrade remotely at any time. The Altitude^{CI} adapts to the size, complexity, and ambition of each installation.

*Altitude^{CI}-64 will be available as a build-to-order option starting Q2 2026, supporting large-format projects with extreme channel counts and advanced multi-subwoofer WaveForming™ deployments.

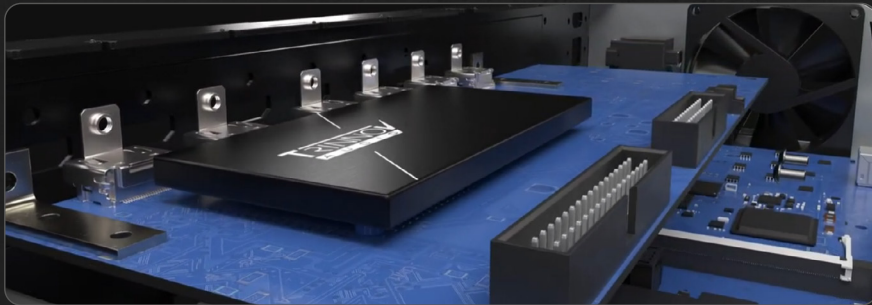
NEW GENERATION PLATFORM

Smarter Design. Faster Workflow. Stronger Foundation.

The Altitude^{CI} marks a major step forward for Trinnov, built on an entirely new hardware platform that improves performance, reliability, and usability. Every element—from electronics to user interface—has been reengineered to meet the real-world needs of today's custom installers and discerning users.

Next-Gen Hardware Platform

Developed in-house, the new platform introduces a more integrated electronic design, reducing complexity and further enhancing long-term durability and service efficiency



New 3D Microphone with Smart Compensation

Trinnov's latest generation 3D measurement microphone now includes automatic upload of the microphone's unique compensation file directly through the calibration wizard—ensuring optimal accuracy without manual file handling.

Redesigned User Interface

The all-new UI introduces a step-by-step calibration workflow that maintains Trinnov's legendary precision, while making system setup faster, clearer, and more approachable.



Standby and Fast Boot Modes

Designed with modern installations in mind, the Altitude^{CI} supports energy-saving standby and fast boot functionality (feature to be enabled via future firmware update — hardware already compatible), delivering near-instant readiness while integrating smoothly into power-controlled environments..

TRINNOV TECHNOLOGIES INSIDE

Precision Sound Starts Here: Optimizer, WaveForming & Remapping



At the heart of every Trinnov processor lies an exclusive suite of proprietary technologies that defines the benchmark for immersive audio performance. The Altitude^{CI} includes the full power of Trinnov Optimizer™, WaveForming™, and Remapping™, ensuring the best possible sound — in any room, with any speaker layout

Trinnov Optimizer™

The industry's most advanced loudspeaker and room correction system. Optimizer™ analyzes the acoustic environment in 3D and precisely calibrates each speaker's phase, level, delay, and EQ to deliver reference-grade clarity and imaging.

WaveForming™

Trinnov's revolutionary low-frequency control technology eliminates standing waves and room modes by synchronizing multiple subwoofers. With WaveForming™, bass becomes tighter, more impactful, and far more consistent throughout the listening space.

Remapping™

Unique to Trinnov, Remapping™ intelligently corrects speaker placement discrepancies and optimizes rendering of immersive formats — ensuring accurate spatial reproduction even when room constraints affect ideal speaker positioning.

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FROM THE INSIDE OUT, ALTITUDE^{CI} IS ENGINEERED TO DELIVER FASTER INSTALLS, ENHANCED USABILITY, AND ENDURING PERFORMANCE IN ANY ENVIRONMENT.

ALTITUDE LEGACY, EVOLVED

Everything You Loved About Altitude — Refined for Integration

The Altitude^{CI} carries forward the DNA of the award-winning Altitude³² and Altitude¹⁶, preserving what made them legendary in high-end audio — while optimizing the experience for today's CI environments. It's a natural evolution of Trinnov's most trusted platform, built to serve a broader range of rooms and installation types.

Software-Based Architecture

Just like its predecessors, the Altitude^{CI} is a software-based processor. New features and improvements are delivered via updates — reducing the need for hardware changes and extending product life cycles far beyond industry norms.

Best-in-Class Format Decoding

The Altitude^{CI} features Trinnov's latest implementation of Dolby Atmos®, DTS:X®, and Auro-3D® — optimized to provide greater decoding and upmixing efficiency. This ensures smoother operation, faster processing, and seamless handling of complex immersive audio formats across all configurations.

Advanced Bass Management

Whether or not WaveForming™ is deployed, the Altitude^{CI} offers exceptionally flexible bass management, including cascaded bass routing, phase alignment, and per-channel crossover control. Even in installations where WaveForming™ isn't used, this level of granularity ensures optimal low-frequency performance across all speaker and subwoofer configurations.

True Installation Flexibility

With support for up to 32 channels over AoIP, hybrid analog and digital output routing, and scalable channel licensing, the Altitude^{CI} adapts to nearly any project without compromise.

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THESE INNOVATIONS ARE WHAT
ELEVATE THE ALTITUDE^{CI} FROM
A PROCESSOR TO AN EXPERIENCE.

THE ALTITUDE LEGACY

A Proven Platform, Trusted Worldwide

From reference studios to the world's most celebrated home cinemas, the Altitude platform is a cornerstone of excellence in immersive sound.

CEDIA Product Hall of Fame

Altitude³² inducted in 2023, honoring long-term innovation

CEDIA Best Home Cinema – multiple years

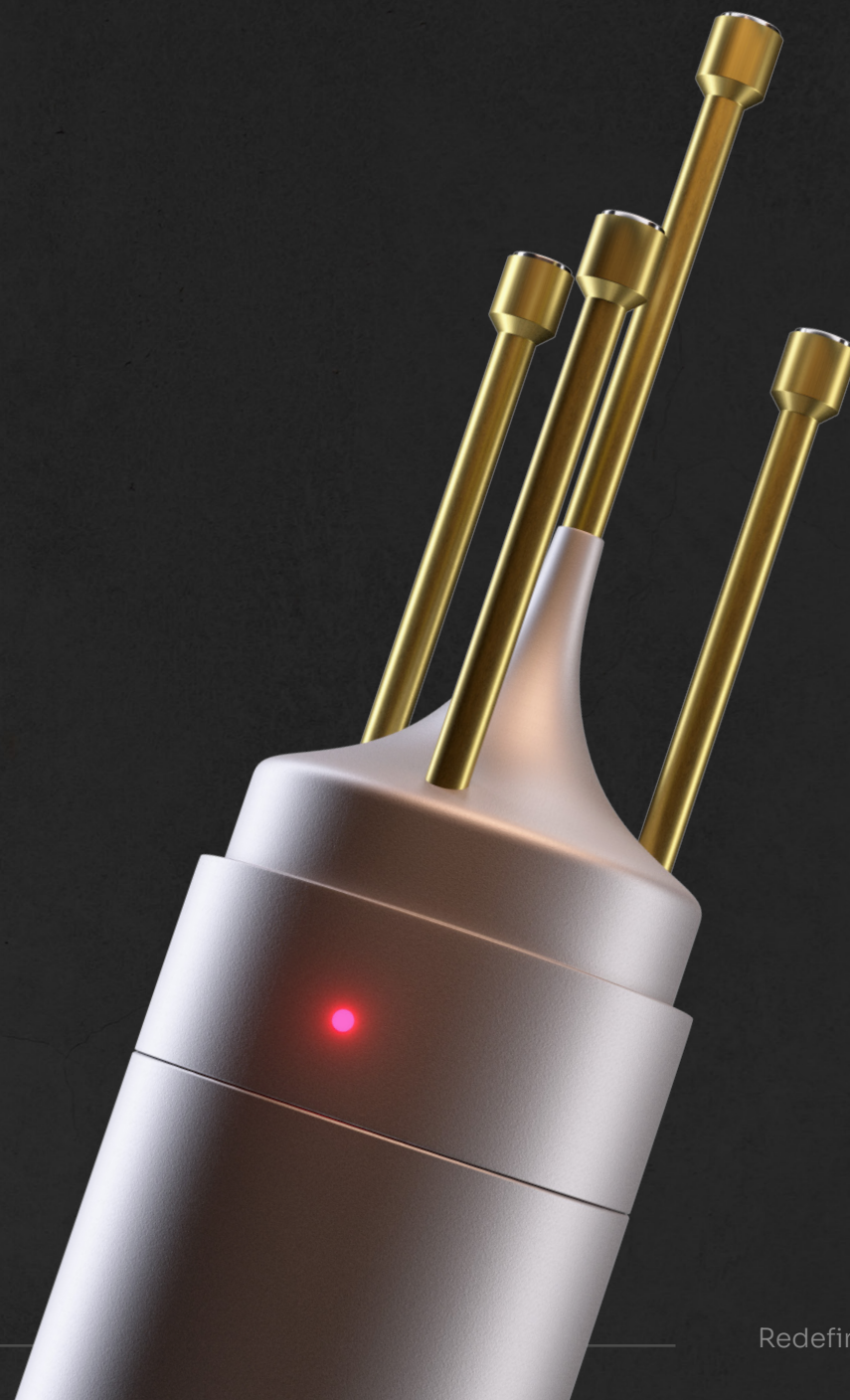
Featured in winning projects like Cinema Lusso's "The Expanse" or MacBee's "Elysium cinema"

Multiple CEDIA Best Software Awards

Acknowledging the power of Trinnov's evolving platform

EISA Best Product – twice awarded

Recognized for both Altitude¹⁶ and Altitude³² in the High-End Home Theatre category



Redefining Network Audio

CONTROL & INTEGRATION

Designed for the Rack. Ready for the Real World.

The Altitude^{CI} was engineered with custom installation at its core. From rack-friendly design and remote servicing to local interface and power management, it fits seamlessly into any modern smart home or cinema environment — making the integrator's job easier and the end user's experience smoother.

Certified Control System Integration

Native control drivers are available for all major platforms, including Crestron, Control4, Savant, RTI, AMX, Elan, and AVA — ensuring fast, reliable integration with existing automation systems.

Remote Access & System Management

Through my.trinnov.audio, installers can remotely monitor, configure, and update systems from anywhere. This reduces on-site time and enables proactive service models that scale.

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THE ALTITUDE^{CI} IS MORE THAN JUST A PROCESSOR — IT'S A FULLY INTEGRATED COMPONENT OF THE CONNECTED HOME CINEMA.

Front-Panel Touchscreen

A compact front-panel touchscreen offers real-time system status and essential operations — directly at the rack. Ideal for quick diagnostics or confirming system health without needing a laptop or remote device.



Network Intelligence Built In

With three configurable Ethernet ports, including SFP support, the Altitude^{CI} allows dedicated paths for control, AoIP, and service — enabling clear separation between functions for better reliability and performance.

SPECIFICATIONS

The following specifications apply across all Altitude^{CI} configurations.
Some features depend on channel count and system setup.

Audio Processing

- Channel capacity: 8 to 32 channels
(configurable in 2-channel increments)
- Processing architecture: Software-based,
64-bit floating-point
- Sample rate support: up to 192kHz
(depends on channel count)

Audio over IP

- Native support for both Dante[®] and Ravenna[®]/AES67
- Up to 32 input/output channels via AoIP
- Fully flexible digital output routing
- Ready for Dolby DCI server integration via AES67

Audio Inputs

- AoIP input via Dante[®] or Ravenna[®]/AES67
(up to 32 channels)
- Up to 32 AES/EBU Inputs (2x DB25 connectors)
- 2x S/PDIF (1x coaxial + 1x optical)
- 1x 3D microphone input (Ethercon)

HDMI

- 4x HDMI inputs
- 2x HDMI outputs
- HDMI 2.1 with HDCP 2.3
- Video pass-through: 8K30 / 4K120, RGB 4:4:4, YCbCr 4:4:4 / 4:2:2,
8K60 YCbCr 4/2/0
- HDR formats supported: HDR10, HDR10+, Dolby Vision, HLG
- Gaming & Interactivity: VRR, FRL, ALLM
- On-screen display and full pass-through support

Immersive Audio Decoding

- Dolby Atmos[®], DTS:X Pro[®], Auro-3D[®], and IMAX Enhanced[®]
- Trinnov's latest implementation for faster and more efficient
decoding
- Upmixers: Dolby Surround, DTS Neural:X, Auro-Matic
- Full-channel and object-based decoding support across all
formats



Audio Outputs

- AoIP Outputs via Dante® or Ravenna®/AES67 (up to 32 channels)
- Up to 32 AES/EBU Channels (2x DB25 connectors)
- 8 analog outputs (e.g. for subwoofers or 7.1 speaker layouts)
 - Output level max : 18dBu
 - THD+N Ratio : 110dB, 1kHz@0dBFS (20kHz BW)
 - A/D Dynamic Range (AES17): 115dB (A-Weighted, ref. +18dBu)

Configuration & Licensing

- Channel configurations: Altitude^{CL}-8 to Altitude^{CL}-32
- Configurable in 2-channel steps via remote activation
- Up to 64 channels supported in future build-to-order configurations (Q2 2026)

Audio Streaming

- Roon-Ready (certified endpoint, multichannel support)
- Plays with Audirvana certified
- UPnP support

System Control & Integration

- Native drivers: Crestron, Control4, Savant, RTI, AMX, Nice, AVA
- Control via macOS or Windows Trinnov app or web-based interface
- Remote access, monitoring, and updates via my.trinnov.audio
- RS-232 serial control
- IR input (IR Remote not included)
- Triggers: 1x Input, 4x programmable outputs
- Open IP control protocol (API)

Room Optimization & Calibration

- Trinnov Optimizer™, WaveForming™ and Remapping™ included
- Step-by-step calibration wizard with redesigned UI
- New-generation 3D microphone with automatic compensation file upload
- Cascade bass management for advanced low-frequency control — even without WaveForming™

Power & Thermal

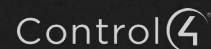
- Power supply: 100-240V (auto selecting)
- Max/idle power consumption: 140W / 0,5W
- Standby and fast boot modes supported
- Active cooling: temperature-controlled exhaust fans (low RPM)
- Maximum BTU/hour output under full load: 480

Chassis & Physical

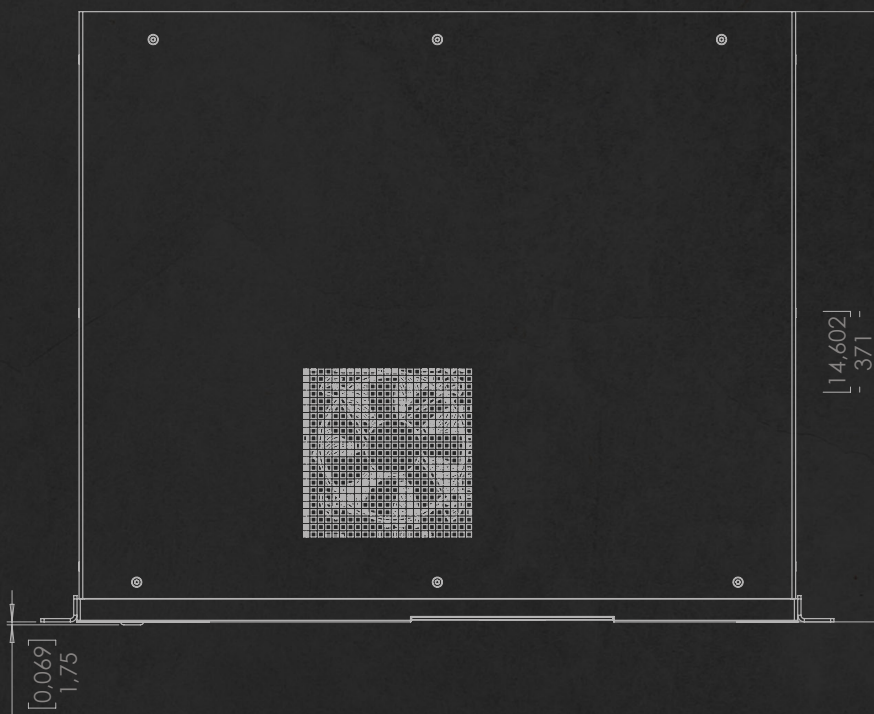
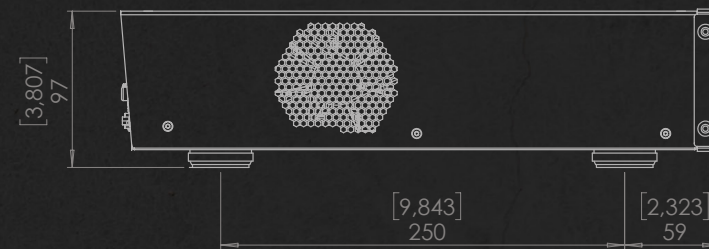
- 2RU rack-mountable design
- Net Weight: 8.6 kg / 19 lbs
- Front-panel touchscreen for system status and basic operation
- Minimalist, installer-friendly industrial design
- Rack ears and feet included

Networking

- 3x Gigabit Ethernet ports
- Ports 2 & 3 include SFP cage support for fiber/copper (1x SFP RJ45 module provided)
- Default mode: port 1 for control, ports 2 & 3 isolated for AoIP
- Dante redundancy supported via Ports 2 & 3



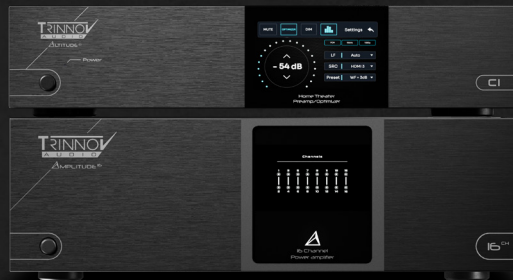
ALTITUDE CI



JOINING THE FAMILY

Altitude^{CI} — The Fully Networked AV Processor for Custom Integration

Network focused system design



Altitude^{CI} + Amplitude¹⁶
(Dante I/O board)

Conventional system design



Altitude¹⁶ or Altitude³² + Amplitude¹⁶
(No Dante input board)

TRINNOV AUDIO

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Made in France

