

# LODE<sup>®</sup>

multi-room audio streaming solutions



# Revolutionary crystal-clear multi-room audio streamers

LODE streamers feature HiFi Digital-to-Analog Converters (DACs) that elevate your audio experience to a level previously unimaginable. With a dynamic range of 112 dB, Signal-to-Noise Ratio (SNR) of 112 dB, and Total Harmonic Distortion (THD) of -93 dB, our products ensure that every note, beat, and melody is reproduced with astonishing clarity and precision. This remarkable combination of specifications ensures that you hear the rich, dynamic tones of your music as the artist intended, with all the subtleties and nuances intact. What an experience!

## MULTI-ROOM AUDIO

## ENVIRONMENTS

**Residential**

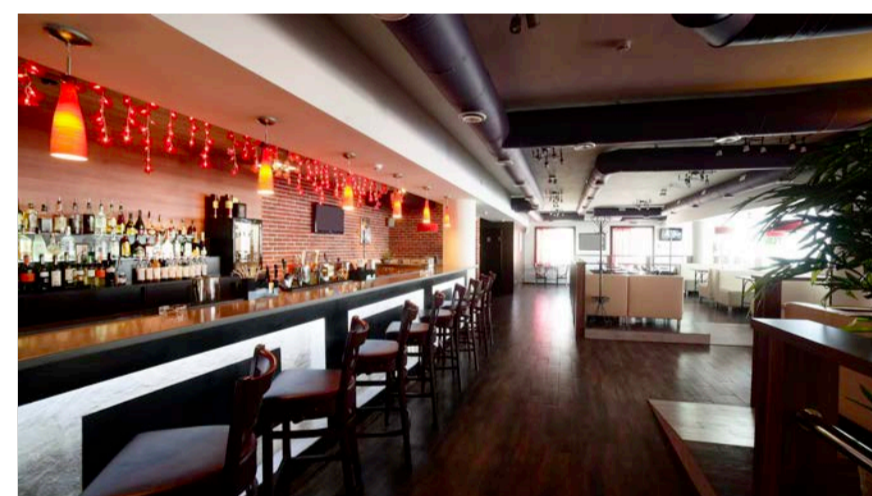
The audio you want, when you want it. That's the promise of LODE. Whether your client is relaxing, working or working out, they have the playlist to match their mood at their fingertips. Integration with home automations means that they can set up and control LODE remotely, just as they can set the right level of lighting to complement the ambience.

**Marine**

Using LODE on the water lets you match the music to the moment...perhaps a bouzouki piece as you sail through the Cyclades, calypso for a cruise in the Caribbean, or merengue while in port in Puerto Rico. Wherever you are sailing, whatever the occasion, LODE lets you make more of an impression and create memorable moments.

**Commercial**

The power of audio to influence the consumer's frame of mind in retail is well established. LODE lets your client create an appropriate playlist and interrupt it for in-store messaging. Business: In office premises, LODE lets the user tailor the audio to create a warm welcome at reception, an upbeat mood in the staff restaurant, and a calming effect in shared break-out areas.

**Hospitality**

Using LODE in hospitality and leisure is all about helping to create the perfect experience for guests and visitors. LODE can complement the image your clients have worked hard to create with interior design and decor. Music can be programmed with LODE's fully automated scheduler to the time of day and to different areas to help guests unwind or energise.

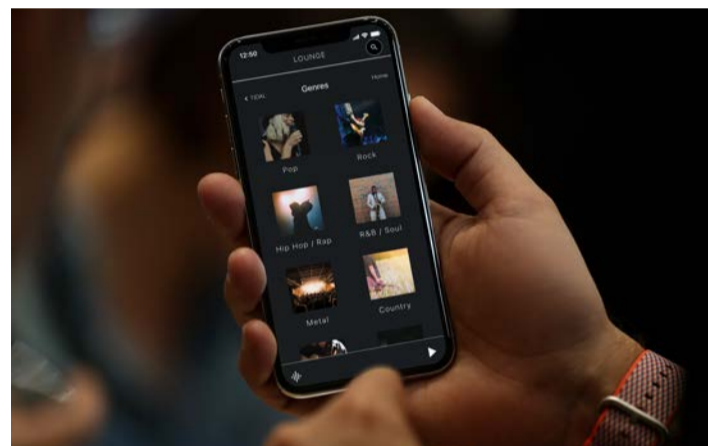
AUDIO STREAMING

# INTEGRATION



## Quality

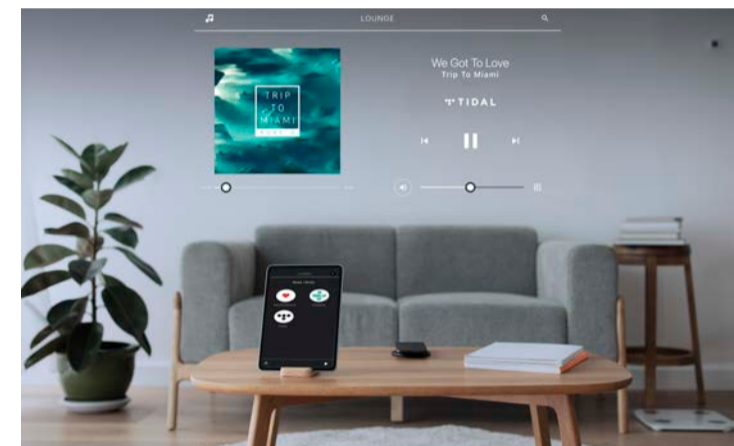
Delivering high-quality audio that truly captures the essence of your music. An unparalleled listening experience, assures that you're getting the best possible audio quality, with crystal-clear sound and rich, dynamic tones that bring your music to life like never before. Sit back, relax, and immerse yourself in your music with LODE.



## Connectivity

Seamless connectivity to the streaming audio platform of your choice all from the palm of your hand or through your current automation service.

Mobile, Tablet, and Desktop compatible App  
 iOS (7+)  
 Android (4.2.2+)



## Delivery

Up to 4 independent zones, stackable up to 64 zones, Party Mode, Favourites/Playlists/Equaliser

### Speaker Connections

- RCA • Optical & Coaxial S/PDIF • Dante
- AES67 LAN • LAN 10/100/1000 • POE LAN

In-ceiling, In-wall, Stand-Alone, & External Speakers.



## Control

Mange your entire streaming network from a dedicated device. Configure Zones, Favourites, Playlist, Libraries, Media, Notifications, and Announcements.



## Integration

With seamless integration and compatibility with all major home automation systems, marine, and corporate control platforms integrating your new LODE audio streaming service is quick and painless.



## AUDIO CONNECTIVITY

# APP MEDIA INTEGRATION

With intuitive controls, you can effortlessly navigate through your music collection, manage your libraries, playlists, and listen to your favourite music in any room.

All LODE products seamlessly integrate with your home automation system, or business platform allowing you to control your audio with just a few presses or clicks.

Whether you're hosting a boat party or just relaxing at home, LODE makes it easy to set the perfect ambiance for you to enjoy your music your way. At LODE®,



pandora

TIDAL

SOUNDCLOUD

Spotify

deezer

napster

tunein

SOUNDMACHINE

DMD2  
technology & emotion



## OUR PRODUCTS

# MULTI-ROOM AUDIO STREAMERS

A revolutionary suite of multi-room audio servers designed to be used as part of a custom installation or as a stand alone music player for a HiFi system. Internal audio circuits feature DACs capable of high-resolution music file playback powered by medical-grade power supplies. Installers finally have a dedicated music source that has been built for the application, yet will deliver the performance desired by even the most ardent audiophile, all controlled from your mobile device or home automation control system.

Built on our proprietary LodeNet™ technology, audio can be played synchronously throughout the environment without the issues of interference, delays and outages experienced by many commercially available wireless based audio systems. Use a zoned music server as part of a larger multi-room system or as a stand alone source, capable of delivering audio streams from your iTunes library, internet radio and streaming services, all at the touch of a button.

**LA Dante**

(4) Stereo Streams

**LA 4**

(4) Four Zones

**LA 2**

(2) Two Zones

**LA 1**

(1) Single Zone

**LA Mini**

(1) Single Zone POE

## Key Features

- Stackable up to 64 zones
- Control system integration
- LODE's mobile apps
- Configurable music services
- High-definition audio playback
- LODE's favourites
- LODENET™ audio-over-ethernet

ELEVATING YOUR AUDIO EXPERIENCE

# LODENET™

## Audio-Over-Ethernet

Unveiling LodeNet™ – Your Gateway to Seamless Multi-Room Audio

Are you ready to redefine your audio experience? Look no further than LodeNet, our revolutionary Multi-Room audio protocol designed to immerse you in a world of crystal-clear, low-latency sound. With its cutting-edge technology and user-friendly features, LodeNet is set to transform the way you enjoy audio across multiple rooms.

### Key Features

- **Low Latency, High Quality:** LodeNet operates at an impressive 32-bit 48kHz, ensuring unparalleled audio quality without sacrificing speed. Experience your favorite tunes with minimal delay, creating a seamless and immersive auditory journey.
- **Universal Compatibility:** Say goodbye to complicated setups and compatibility issues. LodeNet is engineered to work effortlessly on any network without the need for special configurations. Whether you're a tech enthusiast or a casual user, LodeNet adapts to your environment, making it the ideal choice for diverse audio setups.
- **Synchronized Excellence:** LodeNet's synchronization capabilities elevate your multi-room audio experience to new heights. Enjoy perfectly synchronized playback across different rooms, creating a harmonious atmosphere throughout your space.
- **UDP Unicast for Unrivalled Audio Transport:** LodeNet harnesses the power of UDP unicast for audio transport, ensuring reliable and efficient communication. This robust protocol facilitates the swift and secure transfer of audio data, allowing you to enjoy your music without interruptions or glitches.

### Why Choose LodeNet?

- **User-Friendly Setup:** LodeNet is designed with simplicity in mind. Set up your multi-room audio system effortlessly, and start enjoying synchronized, high-quality sound in a matter of minutes.
  - **Flexibility at Its Core:** Whether you're a home audio enthusiast, a business owner, or an event organizer, LodeNet adapts to your needs. Its flexibility makes it suitable for a wide range of applications, from home entertainment systems to commercial installations.
  - **Future-Proof Technology:** With LodeNet, you're investing in the future of audio technology. Stay ahead of the curve with a protocol that combines innovation, reliability, and seamless performance.
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## GUARANTEE

# WHY LODE AUDIO

## The Audiophiles Choice

### Quality

With native High Resolution playback and uniform up-sampling from every source including streaming services, LODE Audio provides the ultimate audio performance.

### Scalable

Supports 64 rooms of independent audio with any number of grouped rooms, with the lowest audio and control latency. All this without the need for any custom network configuration or hardware matrix.

### Reliability

Designed and manufactured in the UK, all products have been created specifically for the CI market, using heat efficient aluminum casework with no moving parts.

### Multi-Application

From residential through to commercial, hospitality and marine applications, LODE Audio products are designed to deliver high-quality music content no matter where they are installed.

### Control

Completely controllable from a desktop and/or mobile device as well as full integration into leading home automation control systems







# LODE PRODUCT CATALOGUE

Multi-Room Audio Streamers

## OUR PRODUCTS

# LA DANTE

## Four Stereo Streams



Dante and AES67 music streamer. The LODE LA Dante is a revolutionary addition to our suite of multi-room audio servers. .

Dante and AES67 are becoming more frequently used in high end AV installations due to the flexibility the protocols provide. The LA Dante is the perfect streamer for your IP distributed audio network, providing 8 channels of your favourite content direct into the IP core.

Whilst integrating with Dante, the streamer can also integrate with LODE's LodeNet™ protocol offering the ultimate in flexibility for distributed audio.

### Hardware

- Single milled brushed aluminium finish
- (2) rack ears included
- 2 X 1Gb Dante / AES67 LAN (active, passive)
- 1Gb LAN for control and streaming
- 120 – 230v IEC power supply

### Specifications

- Product Dimensions: 43 x 19 x 4 (cm)
  - Weight: 4.5KG
  - Power Consumption: 5W
  - Current: 1amp
  - BTU/hr: 18(max)
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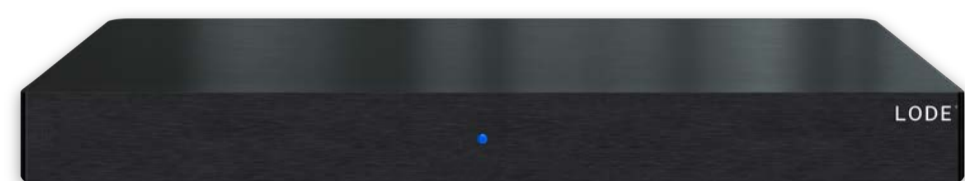
# LA DANTE



## OUR PRODUCTS

## LA4D

## Four Zone System



The LODE LA4D is a revolutionary multi-room audio system enabling playback of high quality music to any room in a property, all controlled from your mobile device or home automation control system. Instead of settling for the “good enough” sound quality prevalent in other multi-room music systems, the LA4D’s analogue outputs use 32-bit Burr Brown DACs, and simultaneously active Coaxial and Optical digital outputs for every zone, ensuring category-leading musicality.

Built on LODE’s LodeNet™, music can be played synchronously throughout the property without the issues of interference, delays and outages experienced by many wireless-based music systems. The Lode LA4D is able to deliver audio streams from your iTunes library, internet radio and streaming services all at the touch of a button.

Stackable up to 64 zones, the LA4D can be easily integrated with other models from our range, including the LA1 single-zone music server, to create compelling multi-room audio systems that deliver the performance desired by even the most ardent music enthusiast. When matched with our simple yet effective control and bullet-proof build/reliability, the LODE Audio music server suite clearly becomes the installer’s audio source of choice.

## Hardware

- Single milled brushed aluminium finish
- (2) rack ears included
- 4 x RCA (outputs) RCA leads not included
- 4 X Optical S/PDIF Outputs
- 4 X Coaxial S/PDIF Outputs
- LAN connection (input)
- 120 – 230v IEC power supply

## Specifications

- Product Dimensions: 43 x 19 x 4 (cm)
- Weight: 4.5KG
- Power Consumption: 5W
- Current: 1amp
- BTU/hr: 18(max)



# LA4D



## OUR PRODUCTS

# LA2D

## Two Zone System



The LODE LA2D is a revolutionary multi-room audio system enabling playback of high quality music to any room in a property, all controlled from your mobile device or home automation control system. Instead of settling for the “good enough” sound quality prevalent in other multi-room music systems, the LA2D’s analogue outputs use 32-bit Burr Brown DACs, and simultaneously active Coaxial and Optical digital outputs for every zone, ensuring category-leading musicality.

Built on LODE’s LodeNet™, music can be played synchronously throughout the property without the issues of interference, delays and outages experienced by many wireless-based music systems. The LODE LA2D is able to deliver audio streams from your iTunes library, internet radio and streaming services all at the touch of a button.

Stackable up to 64 zones, the LA2D can be easily integrated with other models from our range, to create compelling multi-room audio systems that deliver the performance desired by even the most ardent music enthusiast. When matched with our simple yet effective control and bullet-proof build/reliability, the LODE Audio music server suite clearly becomes the installer’s audio source of choice.

### Hardware

- Single milled brushed aluminium finish
- (2) rack ears included
- 2 x RCA (outputs) RCA leads not included
- 2 X Optical S/PDIF Outputs
- 2 X Coaxial S/PDIF Outputs
- LAN connection (input)
- 120 – 230v IEC power supply

### Specifications

- Product Dimensions: 43 x 19 x 4 (cm)
- Weight: 4.5KG
- Power Consumption: 5W
- Current: 1amp
- BTU/hr: 18(max)



# LA2D



## OUR PRODUCTS

## LA1D

## Single Zone System



The LODE LA1D is a revolutionary single-zone addition to our suite of multi-room audio servers. Designed to be used as part of a custom installation or as a stand alone music player for a HiFi system, the LA1D's internal audio circuits feature DACs capable of High-resolution music file playback powered by medical-grade power supplies. With the LA1D, installers finally have a dedicated music source that has been built for the application, yet will deliver the performance desired by even the most ardent audiophile, all controlled from your mobile device or home automation control system.

Built on LODE's LodeNet™, audio can be played synchronously throughout the property without the issues of interference, delays and outages experienced by many commercially available wireless based audio systems. Used either with our LA4 four-zone music server as part of a larger multi-room system or as a stand alone source, the LODE LA1D is able to deliver audio streams from your iTunes library, internet radio and streaming services, all at the touch of a button.

Whether requiring a single zone source for a dedicated room/bar/yacht or looking to create a multi-room audio system that exceeds the performance expectations of the audiophile, LODE Audio's LA1D's simple control and bullet-proof build/reliability should be the installers audio source of choice.

## Hardware

- Single milled brushed aluminium finish
- 1 x RCA (outputs) RCA leads not included
- 1 X Optical S/PDIF Output
- 1 X Coaxial S/PDIF Output
- LAN connection 10/100/1000
- No rack ears, requires shelf for installation

## Specifications

- Product Dimensions: 19,5x9,4x4(cm)
- Weight: 1KG
- PowerConsumption: 5W
- Current: 1amp
- BTU/hr: 18(max)





# LA1D



## OUR PRODUCTS

## LA MINI

## Single Zone POE



One of the biggest benefits of the LA1 Mini POE music streamer is its ability to turn your active speakers into media streamers fully integrated with your home automation system. This means that you can play your favourite music directly from your phone or computer to your speakers, without the need for any additional equipment. With its easy-to-use interface and intuitive controls, you'll be up and running in no time.

In addition to its streaming capabilities, the LA1 Mini POE music streamer also offers a range of other benefits. Its compact design means that it can be easily installed in any space, and its durable construction ensures that it will stand up to years of use. Plus, with its Power over Ethernet (POE) technology, you can power the LA1 Mini POE directly from your network switch, which means that you won't need to worry about finding an additional power outlet. So whether you're a music lover or just looking to upgrade your home entertainment setup, the LA1 Mini POE music streamer is the perfect choice.

Whether requiring a single zone source for a dedicated room/bar/yacht or looking to create a multi-room audio system that exceeds the user expectations, LODE Audio's LA1 Mini's simple control and bullet-proof build/reliability should be the installers audio source of choice.

## Hardware

- Single milled brushed aluminium finish
- 1 x RCA (outputs) RCA leads not included
- 1 X Optical S/PDIF Outputs
- POE LAN connection 10/100/1000
- No mounting options supplied

## Specifications

- Product Dimensions: 9.4x7.2x3(cm)
- Weight: 260g
- PowerConsumption: 5W
- Current: 1amp
- BTU/hr: 18(max)



# LA Mini

