Auri™

AURI™ FOR ASSISTIVE LISTENING

AURIAUDIO.COM

AMPETRONIC | **LISTEN** TECHNOLOGIES

AURACAST

OVERVIEW OF AURACAST™ AND ITS ROLE IN ASSISTIVE LISTENING

Auracast™ broadcast audio is a new standard for Bluetooth Low Energy audio that can broadcast audio to an unlimited number of Auri™ receivers and dedicated Auracast™ compatible devices.

INTRODUCTION OF AURI™

Auri™ is the first Auracast™ broadcast audio-based assistive listening system designed designed for venue installations. Auri™ uses Auracast™ broadcast audio technology to deliver high-quality, low-latency audio to dedicated receivers and to newly emerging Auracast™ compatible devices like hearing aids, earbuds, headphones, and mobile phones.

BENEFITS OF AURI™

FLEXIBLE SYSTEM INTEGRATION	INTEGRATED DANTE INTERFACE AVAILABLE	HIGH-CHANNEL COUNT
AURACAST™ - QUALIFIED	SCALABLE & FLEXIBLE COVERAGE	NETWORK MANAGED
ULTRA-LOW LATENCY	OPEN OR SECURE AUDIO	

HOW AURI™ WORKS

1. Connect the audio source to an Auri™ transmitter.

2. The Auri™ transmitter broadcasts the audio stream to devices within range.

3. Access the audio using an Auri™ dedicated receiver or a device capable of receiving an Auracast™ broadcast.
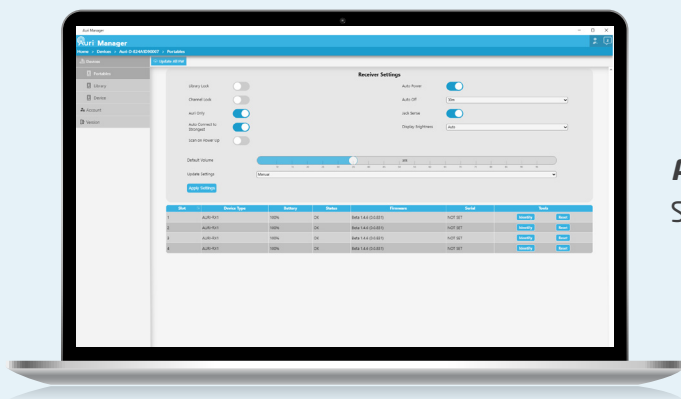
KEY COMPONENTS

Auri™ RX1
Receiver

Auri™ TX2N, TX2N-D (Dante)
Transmitter

Auri™ D4
Docking Station 4

Auri™ Manager Software

Auri™ D16
Docking Station 16

APPLICATION SCENARIOS

EDUCATION

Enhance accessibility across campus with Auri™, the advanced assistive listening solution designed for educational settings.

Ideal for auditoriums, theaters, and student centers, Auri™ provides superior sound clarity and low-latency audio for both personal and assistive listening. Powered by Auracast™ technology, Auri™ supports diverse audiences with customizable audio channels, multi-language options, and network-managed transmitters, making setup easy for campus staff.

Equipped with RX1 receivers and convenient docking stations, Auri™ meets global accessibility standards, enabling students with hearing aids, cochlear implants, or standard headphones to enjoy lectures, performances, and events effortlessly. With Auri™, campuses can create inclusive spaces that support clear communication and full engagement for all participants, setting a new standard in accessible learning environments.

CORPORATE

Amplify Communication and Inclusivity in the Workplace

Transform meetings and presentations with Auri™, the ultimate assistive listening solution for corporate environments. Auri™ delivers clear, wireless audio directly to an Auri™ receiver or employees' devices, ensuring everyone in the room experiences crystal-clear communication, even in large or challenging acoustical spaces. Powered by Auracast™ technology, Auri™ supports multiple audio channels and ultra-low latency, making it an invaluable tool for enhancing productivity and engagement.

Ideal for employees with hearing challenges, Auri™ promotes a more inclusive workplace, allowing seamless connectivity to hearing aids, cochlear implants, or Auracast™ enabled earbuds or headphones. Networked transmitters and easy-to-use receivers ensure straightforward setup and operation, while compliance with global accessibility standards underscores your organization's commitment to inclusivity. Elevate your corporate environment with Auri™—where every voice is heard, and every employee feels valued.

PERFORMING ARTS

Elevate the Sound Experience at Every Event

Make every seat the best in the house with Auri™, the premier wireless audio streaming solution for entertainment venues. Perfect for theaters, concerts, and live events, Auri™ uses Auracast™ technology to deliver crystal-clear audio directly to attendees' devices, ensuring an immersive experience.

Designed with accessibility in mind, Auri™ connects seamlessly with a dedicated receiver to meet global compliance standards, or Auracast™ compatible end-user devices such as hearing aids, cochlear implants, or earbuds, empowering guests with hearing impairments to fully enjoy the performance. Auri™'s high-quality, low-latency audio enhances sound clarity in every seat, while its multi-channel capability supports different audio feeds for unique viewing options or providing audio description. By incorporating Auri™, entertainment venues can elevate accessibility and engagement, creating memorable, inclusive experiences that keep audiences coming back.

HOUSE OF WORSHIP

Facilitating Connection Through Clear Sound

Enhance inclusivity and connection in your house of worship with Auri™, the leading wireless audio solution designed for spiritual gatherings. Auri™ streams high-quality, low-latency audio directly to dedicated receivers or congregants' personal Auracast™ compatible devices, including hearing aids, cochlear implants, and smartphones, ensuring that everyone, especially those with hearing challenges, can fully engage in services.

Powered by advanced Auracast™ broadcast audio, Auri™ provides crystal-clear sound that reaches every corner of the sanctuary, creating a worship experience where all can listen and feel connected. Easy to set up and operate, Auri™ supports multiple audio channels, making it adaptable for various service formats and settings, including multi-lingual services. With Auri™, your congregation can foster a truly inclusive environment, allowing each attendee to experience the fullness of every word and song, strengthening bonds and uplifting spirits.

GOVERNMENT

Empowering Clear, Inclusive Communication in Government Spaces

Auri™ is transforming government environments by providing crystal-clear, wireless audio directly to participants' devices, making it ideal for meetings, briefings, and public hearings. Utilizing advanced Auracast™ technology, Auri™ ensures everyone in the room, including those with hearing impairments, can easily engage in discussions and presentations.

With support for hearing aids, cochlear implants, and smartphones, Auri™ enables seamless access to audio, fostering inclusivity and enhancing the flow of communication in important government settings. Easy to deploy and manage, Auri™ is designed for reliability and accessibility, allowing public officials, employees, and citizens to stay connected and informed. As a solution built to meet accessibility standards, Auri™ reinforces your commitment to inclusivity, empowering full participation in every government interaction.

STADIUMS & ARENAS

Amplifying the Stadium Experience for Every Fan

Bring every fan closer to the action with Auri™, the ultimate personal assistive listening and audio streaming solution for large stadiums and arenas. Designed to deliver clear, high-quality sound directly to Auracast™ compatible personal devices, Auri™ ensures everyone in the venue— regardless of location or hearing ability—enjoys an immersive experience with every cheer, announcement, and play.

Powered by Auracast™ broadcast audio, Auri™ offers ultra-low latency and multi-channel audio, allowing fans to tune into live commentary, language translation, or enhanced audio from their seats. Easy to manage and deploy across large venues, Auri™ connects seamlessly to Auracast™ compatible hearing aids, cochlear implants, and smartphones, promoting inclusivity for all attendees. With Auri™, stadiums can deliver an unrivaled fan experience, making every game, concert, or event memorable for everyone in the crowd.

SYSTEM COMPONENTS

AURI™ TX2N TRANSMITTER

Features and Specifications

The Auri™ Tx2N Transmitter* is the central component of the Auri™ system, built for high-performance, large area assistive listening over Bluetooth LE Audio with Auracast™. Key features include:

Broadcast Audio Over Bluetooth LE: This technology supports reliable, low-latency audio distribution with Bluetooth 5.3, which is ideal for assistive listening applications.

Flexible Audio Inputs: Dual audio input channels can be configured for mic or line level, with switchable phantom power for mic inputs. Additionally, each input can be configured for Dante® connectivity (optional).

Optional Dante Input: An integrated Dante option allows two-channel networked audio via a dedicated RJ45 connection.

Audio Processing: Adjustable routing options with AGC (Automatic Gain Control) and low-cut filters for optimized audio output.

Repeater Mode for Enhanced Coverage

The Tx2N Transmitter's repeater mode extends the broadcast range and improves signal reliability:

Enhanced Coverage: Expand the signal reach to cover larger areas.

Improve Reliability: Provides increased reliabiity in challenging environments, maintaining a stable and clear audio experience.

* Mounting Kit included for flexible mounting options.

AURI™ RX1 RECEIVER

Dedicated receivers ensure global compliance with accessibility legislation and a provision for users without their own compatible devices.

All-day Battery Life – Receivers will stream audio for over 30 hours, ensuring uninterrupted audio throughout any event.

Flexible Charging – Charge in 4 hours using Auri™ docking stations or a standard USB-C power supply.

Broadcast Library – Each receiver can store a library of up to 32 preconfigured broadcasts, allowing simple connection to an encrypted broadcasts without password entry.

Connection Options – Configure receivers to list available channels or a preset library. Additional options allow auto connection or reconnect to the previous broadcast when powered on.

Headphone Jack & Loop Lanyard Jacks

Power

Volume Control

OLED Display

Soft Buttons

Soft Buttons

USB Port

Charging/Programming Contacts

DOCKING STATIONS (D4 AND D16)

Charging and Storage: Provides organized storage and charging for Auri™ RX1 receivers, supporting up to 4 receivers with the D4 and up to 16 with the D16. This setup keeps devices ready for immediate use, fully charged, and securely stored when not in operation.

Wall or Surface Mounting: Designed for versatile installation options, supporting wall or surface mounting to fit into various facility layouts. These mounting options ensure the docking station can be positioned conveniently for easy access.

Headset Storage: D16 docking station can be used with the LA-382 cable management unit, keeping accessories organized and available for quick access This storage feature ensures that all necessary components are in one place, improving efficiency.

Receiver Management and Configuration Storage: Docking stations can store a complete receiver configuration, including settings, broadcast library, and the latest firmware update. Choose whether receivers should be automatically updated when docked or manually updated at the push of a button.

Auri™ D4
Docking Station 4

Auri™ D16
Docking Station 16
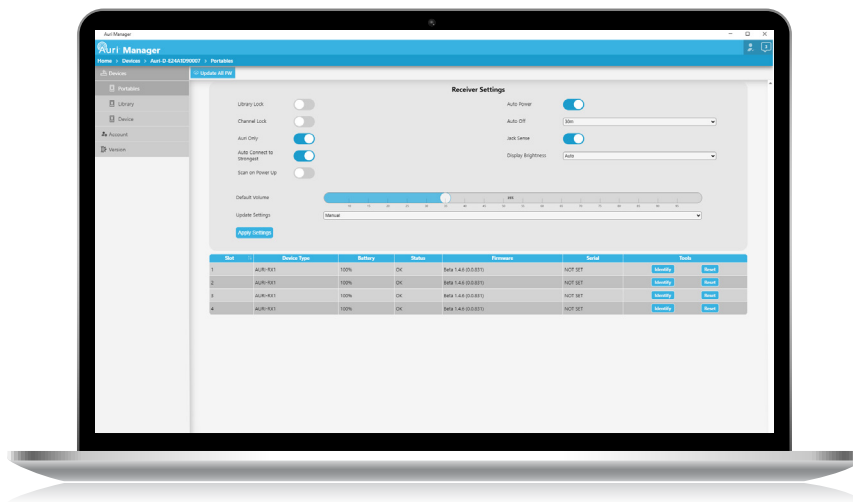
AURI™ MANAGER SOFTWARE

Device Discovery: Auri™ Manager will automatically discover any Auri™ transmitters or docking stations which are on the same network

Management: From a single device connected directly to your PC to a large venue, Auri™ Manager can control all Auri™ devices from one location. Devices can be grouped by location to keep track of large inventories.

Network Control and Configuration: A simple interface that allows easy access to all device settings and quick setup of key parameters.

Remote Monitoring: Monitor all components of your Auri™ system from a central location, ensuring device status, firmware versions, and battery levels are all in check.

Secure: Devices require authentication and use encrypted network communications to protect your devices from unauthorized changes.

Auri™ Manager Software

PLANNING YOUR SYSTEM AND INSTALLATION CONSIDERATIONS

Number of Broadcasts: Just one assistive listening stream, or multiple languages, each Auri™ Transmitter can broadcast up to two streams. If more channels are needed, simply add more transmitters.

Coverage Area: For large or complex areas, multiple transmitters may be needed to ensure complete coverage. Consult the User Manual for more information on range.

Mounting Location: Auri™ transmitters should be mounted up high, maximizing the line of sight to as many people as possible. Transmitters can be wall or ceiling-mounted with the universal bracket, compatible with standard electrical back boxes, and VESA 75 for simplified installation.

Audio Inputs: The best assistive listening systems start with high-quality audio sources. Define what the audio signal will be for your system, whether that's a microphone, line output from an existing AV system, a Dante feed, or a combination – the TX2Ns flexible routing options cater for multiple use cases.

Receivers, Docking Stations, and Accessories: Many regions have laws or standards stipulating the number of dedicated receivers needed for assistive listening systems. Make sure to accommodate your venue's needs with RX1s, docking stations, and a suitable number of neck loops and headphones to give users a choice.

Configuration: Connect Auri™Manager and set up your system, from adjusting audio settings to choosing if your broadcasts are open or password protected.

Signage: No assistive listening system is complete without signage. Your visitors need to know that the system is available and what their options are for connecting to it.

ADDITIONAL RESOURCES

Blog Article: Optimizing transmitter placement for best coverage

Datasheets: https://www.listentech.com/auri-support/

Compliance and Accessibility: https://www.listentech.com/global-compliance/

Register Your Auracast™ Location: https://www.bluetooth.com/auracast/location-registration/

Warranty and Support: Ampetronic Warranty

Phone: Americas +1-801-233-8992   Toll-free: +1-800-330-0891
United Kingdom +44 (0) 1636 610062   auriaudio.com