

ListenRF

SIMPLY LISTEN

72 MHz & 216 MHz



THE LISTENRF SOLUTION

Delivering superior audio so everyone can connect and engage.



For an estimated 466 million people worldwide with hearing loss, traditional sound systems are not enough. ListenRF transmits sound over radio frequency to the listener without amplifying ambient noise for unsurpassed intelligibility and a superior listening experience.

Listen Technologies has been providing radio frequency assistive listening systems for more than 22 years and is the only manufacturer of 216 MHz, which expands coverage for large theaters, arenas, and stadiums.

Superior Technology

Intelligent digital signal processing for a superior listening experience.

Crystal Clear Sound

Delivers crystal clear audio directly to the listener's ear without amplifying ambient noise.

A Fit for Every Budget

ListenRF is a budget-friendly assistive listening technology.



Neck Loop Lanyard

Connects to the receiver to transmit audio directly to telecoil equipped hearing aids or cochlear implants.

Simplicity for All

You will be surprised just how simple ListenRF is to set up and use.

Compliant Solution

ListenRF is a fully compliant solution for assistive listening.

HOW LISTENRF WORKS



1 Audio Source

Speaker/presenter with a mic connected to a transmitter

2 Transmitter

Receives the incoming audio signal and transmits the signal via radio frequency to receivers

3 Audio Received

Users listen through headphones/earbuds connected to a receiver

Listen Technologies is the only manufacturer that offers systems that operate in 216 MHz frequency range. This allows the user to move around in large venues without losing the signal. This also simplifies the distribution of receivers as they all work in the same frequency and don't need to be coordinated or based on where an individual is seated.

	72MHZ LT-800-072	216MHZ LT-800-216
Compliance Standards	Both 72 and 216 meet compliance standards for the hard of hearing	
Simultaneous Channels	Offers 8 simultaneous channels within the 72-76 MHz range	Offers 5 simultaneous channels within the 216-217 MHz range
Sound Quality	Great sound quality (SNR 80 dB)	Excellent sound quality (SNR 70 dB)
Transmission Range	Up to 304 m (1,000 ft.) range	Up to 914 m (3,000 ft.) range

LISTENRF RECEIVERS

ListenRF receivers are small and lightweight and can be used with ear speakers, earbuds, or neck loops.

Receivers	LR-3200-072	LR-4200-072	LR-5200-072	LR-4200-216	LR-5200-216
Sound to Noise Ratio (SNR)	70 dB	80 dB	80 dB	70 dB	70 dB
Digital Signal Processing (DSP)	✓	✓	✓	✓	✓
User channel selection	✗	✗	✓	✗	✓
Integrated Neck Loop Lanyard for connection to T-coil hearing aids	LA-430	LA-430	LA-430	LA-430	LA-430
Battery type	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion
Custom setup and cloning via FREE software	✓	✓	✓	✓	✓
Customizable channel name	✗	✓	✓	✓	✓
Dual earphone jack	✓	✓	✓	✓	✓
USB port for charging and software	✓	✓	✓	✓	✓
Meets mandatory compliance standards for assistive listening	✓	✓	✓	✓	✓



LA-430 Intelligent Ear Phone/Neck Loop Lanyard

Integrated neck loop provides a simple and affordable way to meet compliance requirements.



CUSTOMIZE THE EXPERIENCE WITH LISTENRF IDSP SOFTWARE

The Listen iDSP software suite is Microsoft Windows based and makes it easy to:

- Configure receivers
- Run diagnostics
- Manage inventory
- Customize channel names
- Update firmware
- Manage check-in and check-out of receivers



Simple to install, manage, and maintain



Right-sized receivers are sleek and discreet



Neck loop/lanyard for use with cochlear implants and hearing aids



Non-proprietary lithium-ion rechargeable batteries

72 & 216 COMPARISON



LT-803 72 MHz Transmitter



LT-800 72 & 216 MHz Transmitter

Transmitter	LT-803-072	LT-800-072	LT-800-216
SNR	>62 dB	>80 dB	>70 dB
Range	Up to 305 m (1,000 ft.)	Up to 305 m (1,000 ft.)	914 m (3,000 ft.)
Balanced/unbalanced audio inputs	✓	✓	✓
Dual RCA inputs (provide true left/right stereo sum)	✓	✓	✓
Rack mountable	✓	✓	✓
Number of channels	3	57	57
Simultaneous channel use	3	8	5
Compatible with ListenRF and competitive RF receivers	✓	✓	✓
Perfect for mandatory assistive listening, language interpretation, and audio description	✓	✓	✓
Antenna types available for use	LA-101, LA-106, LA-116, LA-122, LA-123, LA-125		LA-102, LA-107, LA-117, LA-122, LA-124, LA-126
Dante adapter availability	✓	✓	✓

LISTENRF ACCESSORIES

		Description
	LA-381/LA-382	The Intelligent 12-Unit Charging Tray and Intelligent Cable Management Unit streamline charging, dispensing, and collecting up to 12 iDSP Receivers.
	LA-423	A four-port charger to charge up to four iDSP Receivers simultaneously.
	LA-421	A compact one port USB charger to charge a single iDSP Receiver for personal use or for smaller venues.
	LA-380	A charging/carrying case in one for easy storage, dispensing, and collecting of up to 12 iDSP Receivers.
	LA-430	The Intelligent Neck Loop/lanyard incorporates an advanced DSP loop driver for an improved listening experience for those with cochlear implants and hearing aids with telecoils.
	LA-401	The Universal Ear Speaker is designed to easily fit over one ear for comfort and provides great sound quality.
	LA-402	The Universal Stereo Headphones are comfortable, provide great sound quality, and reduce external sound.
	LA-404	The Universal Single Ear Bud is a popular listening solution designed for one ear.
	LA-405	The Universal Stereo Ear Buds provide great sound quality and are designed to fit just inside the ears.
	LA-465	Dante 1-Channel Output XLR Adapter
	LA-466	Dante 2-Channel Output XLR Adapter

Antenna Model	Max Range	Antenna Model	Max Range
72 MHz		216 MHz	
LA-101	122m (400 ft.)	LA-126	198m (650 ft.)
LA-123 & LA-125	122m (400 ft.)	LA-102	229m (750 ft.)
LA-106	198m (650 ft.)	LA-107	914m (3,000 ft.)
LA-116	244m (800 ft.)	LA-117	914m (3,000 ft.)
LA-122	304m (1,000 ft.)	LA-122	914m (3,000 ft.)



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