ListenRF
Stationary RF Brochure
Whether in a theater, house of worship, or at a sporting venue, individuals want to experience every word and every moment. That’s what they came for, and they deserve to participate by hearing every single word.

Listen’s line of stationary RF products deliver a carefully tuned system of products that makes the process of specifying, ordering, installing and using the system simple and straightforward. A Listen RF system is a low power radio station that broadcasts sound to receivers within the range of the transmitter. A wide range of portable and stationary receivers allow you to customize your system to your specific needs. Listen products deliver broadcast quality audio and are simple to use. Don’t miss a single sound. Listen.

Listen’s vision is to deliver a personalized, enriching auditory experience in any setting. Consider attending a lecture and not being able to fully understand what is being said. With a Listen system, every word can be heard and understood. What if the lecture is in English and you can only understand Spanish? The same technology can deliver the interpreted language directly to your ears. When you can hear and understand – the experience truly becomes personal!

Listen is committed to keeping it simple. You will find products that are easy to use and a company that is easy to work with. Listen thinks through the finer details in the design and production of products – for you the customer. From pre-setting a default frequency on a transmitter so that it can be used right out of the box to channel displays on both the transmitter and receiver – the use of Listen’s products is effortless. Listen’s full-time technical support team is passionate about what they do and you can depend on them to solve any equipment issues with confidence. When you can easily use Listen products with the support you need – the experience truly becomes simple!

One size does not fit all. Listen systems are designed to specifically fit your needs. While Listen’s systems are designed for simplicity, feel free to interchange or add components to create the right system for you. Listen’s team is ready to assist you with identifying exactly what you need. When you can build the system that makes sense for your circumstances – the experience truly becomes custom!
Listen Technologies improves and personalizes how people interact with the sounds they care about most—by overcoming the challenges of noise, distance, hearing loss, and technology to deliver clear and focused audio experiences in any setting or environment. Listen gives people the power to cut through the noise and enjoy precise, isolated sound in sports arenas, concert halls, churches, classrooms, meeting rooms, and more. A Listen Stationary RF system can do more than you think. While a Listen system can deliver crystal clear sound to a person with a hearing impairment, it can also be used in other ways including:

- Language Interpretation.
- Wireless audio distribution to remote rooms.
- Remote cueing.

Classrooms

When you can hear better, you learn more. A Listen system can deliver the instructor’s voice or the voice of an interpreter directly to the student’s ears. The end result is improved grades and instructors who are less fatigued because they don’t have to speak loudly.

Sports Venues

Whether it’s a 1,000 person high school gym or a 100,000 person baseball stadium, a Listen system can deliver sound to every seat in the facility. Sport enthusiasts, press and the athletic competitors can all enjoy the benefits of a Listen system.

Theaters

Have you ever been experiencing a live play and asked your partner “what did she just say?” We all have some level of hearing impairment and sometimes we sit in a seat where the sound is not as clear as we would like. A Listen system delivers the voice of the actor directly to your ears.

Places of Worship

The primary message in a worship service is delivered in the form of sound. A Listen system can ensure that every individual can fully experience the service. You can use Listen products for auditory assistance and for language interpretation. You can also place a speaker/receiver in the nursery or in an overflow area.

Highlights

- Limited lifetime warranty, exceptional world-wide service and support.
- Full range of versatile product types to meet your needs.
- Custom systems and accessories for your specific solution.
- Products are simple to use, manage and maintain.
ListenRF System

House of Worship Applications

If you can’t run wires, an LR-100 Listen stationary receiver (72/216MHz only) can wirelessly receive the audio signal and deliver it to the remote room sound system.

Remote Mounted Antenna Kits are the single solution for all of your indoor remote antenna needs.
The LT-800 transmitter connects to the audio output of a mixing console or any other audio device.

A Listen receiver allows the office staff to hear what’s going on in the primary meeting room.

The LT-800 transmitter connects to the audio output of a mixing console or any other audio device.

Interpreters listen to the service in the base language and interpret the service into a different language. The interpreted language is transmitted to individuals in the room who listen on a portable receiver with an earphone.

Portable receivers with earphones are worn by guests. Sound from the mixing console is broadcast to the receiver.

“We have been using the Listen system for several weeks now and I have had nothing but compliments. The sound quality is extremely good.”

- First Church of the Redeemer
Super Quiet™ Technology provides superior audio quality.

- 57 Channels (72/216 MHz), 17 Channels (863 MHz), 32 Channels (150 MHz) – you’ll always find interference-free channels.
- 80 dB Signal-to-Noise Ratio – best in class noise performance ensures guests hear the sound and not the noise.
- Long transmission range ensures coverage for the entire venue.
- Advanced audio processing (can be deactivated) ensures audio levels are consistent to users.
- Limited Lifetime Warranty with hassle-free support.

The LA-326 Universal Rack Mounting Kit can rack mount one or two LT-800 Stationary RF Transmitters.

1. **Audio Section** The input level of inputs 1 and 2 are adjusted by the INPUT control and are indicated on the first two VU meters. Final transmit level is adjusted with the MIX LEVEL control. The CONTOUR control boosts or cuts audio above 5 kHz. Listen’s exclusive technology delivers low noise performance. A test tone is available to aid in set up.

2. **Transmit Section** Use the UP and DOWN buttons to select the transmission channel. The LCD conveniently shows the selected channel, transmitter output power, lock and programming status.

3. **Monitor Section** You can listen to the transmitted audio using the monitor jack and volume control.

4. **RF Section** A unit mounted antenna can be directly connected to the RF OUTPUT jack or you can use a remote antenna. RF power can be selected using the switch for one-quarter, half or full power.

5. **Audio Output Section** The dual, line level phono connectors provide an output consisting of a mix of inputs 1 and 2.

6. **Audio Input Section** Connect your audio sources to inputs 1 and/or 2. Input 1 accepts a mono 3-pin XLR or phone connector with a balanced selectable mic, phantom mic or line level audio. Input 2 accepts stereo phono connectors and is unbalanced with selectable input levels of -10 and +10dBu.

Thanks to its outstanding audio quality, the Listen LT-800 Stationary Transmitter can be used in a variety of applications. The LT-800 can be connected to your main audio system to broadcast a high quality audio signal to belt pack receivers. The end result – your audience can hear and understand the presentation better because of improved speaker placement or because they have their own belt pack and earphone. The signature Look&Listen™ LCD shows channel, lock and programming information. It has multiple audio inputs with level control and mix level control. It also includes a test tone for tuning. There are mounting options for racks and antenna.

**Highlights**
- **Super Quiet™ Technology** provides superior audio quality.
- 57 Channels (72/216 MHz), 17 Channels (863 MHz), 32 Channels (150 MHz) – you’ll always find interference-free channels.
- 80 dB Signal-to-Noise Ratio – best in class noise performance ensures guests hear the sound and not the noise.
- Long transmission range ensures coverage for the entire venue.
- Advanced audio processing (can be deactivated) ensures audio levels are consistent to users.
- Limited Lifetime Warranty with hassle-free support.

**Key Specifications**
- Coverage: Line of site, 1,500 ft (457 m) 72 MHz, 3,000 ft (914 m) 216 MHz, 400 ft (122 m) 863 MHz, 2,500 ft (762 m) 150 MHz.
- Number of simultaneous channels: 6/3/8/6 72/216/863/150 MHz.
- System audio performance: 50 Hz - 15 KHz frequency response, >80 dB SNR and <2% THD.

**Configurations**
- LT-800-072 - 72 MHz
- LT-800-216 - 216 MHz
- LT-800-863 - 863 MHz
- LT-800-150 - 150 MHz

**Accessories**
- The LA-326 Universal Rack Mounting Kit can rack mount one or two LT-800 Stationary RF Transmitters.
Listen Technologies receivers offer outstanding audio performance backed by limited lifetime warranty. Both the LR-400 and LR-500 offer an LCD display so you’ll see what’s going on. The LR-500 offers channel selection buttons for the user and programmability for multiple channel applications like language interpretation. In this case, you can program the LR-500 to only display active channels.

### Highlights
- Super Quiet™ Technology provides superior audio quality.
- Easy to use.
- Multiple Channels – you’ll always find interference-free channels.
- 80 dB Signal-to-Noise Ratio – best in class noise performance ensures guest hears the sound and not the noise.
- Look&Listen™ LCD display (LR-400/500 only) shows channel, battery status, signal strength, lock, and programming information.
- Advanced battery management.
- SEEK button automatically finds a channel.
- Limited Lifetime Warranty with hassle-free support.

### Key Specifications
- **Receiver range from LT-800 Antenna: Line of sight:**
  - 1,500 ft [457 m] 72 MHz
  - 3,000 ft [914 m] 216 MHz
  - 400 ft [122 m] 863 MHz
  - 2,500 ft [762 m] 150 MHz
- **Number of simultaneous channels: 6/3/8/6 72/216/863/150 MHz.**
- **System audio performance: 50 Hz - 15 KHz frequency response, >80 dB SNR and <2% THD.**

### Configurations
- LR-300-072 – 72 MHz
- LR-300-216 – 216 MHz
- LR-400-072 – 72 MHz
- LR-400-216 – 216 MHz
- LR-400-150 - 150 MHz
- LR-400-863 – 863 MHz
- LR-500-072 – 72 MHz
- LR-500-216 – 216 MHz
- LR-500-863 – 863 MHz
- LR-500-150 - 150 MHz

### Accessories
Accessories for Listen Receivers can be found on the next page.

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1. **Power/Volume** On/off and volume control.
2. **Earphone Jack** 3.5 mm jack accepts either mono or stereo headsets.
3. **Multi-function LED** Indicates power or low battery and charging status.
4. **LCD Display** Displays channel selection, battery level, signal strength, channel lock and program features (LR-500 only).
5. **Channel Section** The seek button allows you to scan for the broadcasting channel, while the up/down button allows you to manually change the receive channel. Buttons are located inside the cover on the LR-400.
6. **Charging Port/Contacts** Used with charging cases or power supply to charge
7. **NiMH batteries within the unit.**
8. **Battery Compartment** Manually lock battery compartment door.
9. **Antenna** Articulating and flexible for easy storage (863 MHz only).
ListenRF Accessories

Accessories

Listen’s Stationary RF Accessories offer a wide array of options to meet your audio needs. Antennas, Mounting Kits, Connectors/Cables, Batteries/Power Supplies, Charging/Carrying Cases, Earphones/Speakers, and Microphones all provide the custom support you and your guests need so that you don’t miss a single sound.

### RF Product Cases

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### Earphones

- LA-161 Single Ear Bud
- LA-162 Stereo Ear Buds
- LA-164 Earspeaker
- LA-165 Stereo Headphones
- LA-166 Neck Loop
- LA-170 Behind-the-Head Stereo Headphones

### Antennas

- LA-129 90° Articulating Antenna (863 MHz)
- LA-130 Remote Antenna Kit (863 MHz)
- LA-131 Antenna Kit for Rack Mount (863 MHz)
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