

LR-3200-HL

Hearing Loop Receiver User Manual

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LR-3200-HL Hearing Loop Receiver User Manual

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Introduction

The Listen Technologies LR-3200-HL Loop Receiver is part of a complete hearing loop solution designed to provide clear, intelligible audio to people with hearing loss. Used with hearing loop systems installed in public venues, the Loop Receiver allows users to experience high-quality sound through headphones, earbuds, or an inductive neck loop for telecoil-equipped hearing aids and cochlear implants.

Designed for accessibility, reliability, and ease of use, the Loop Receiver delivers consistent audio performance in theaters, lecture halls, houses of worship, transportation facilities, meeting spaces, and other public venues equipped with hearing loop technology. Its rechargeable battery, intuitive controls, and managed charging options make it an ideal solution for both venue operators and end users.

This manual provides the information needed to operate, charge, maintain, and care for your Loop Receiver. Please read this guide before using the device to ensure safe operation and the best possible listening experience.

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LR-3200-HL Overview

What is the LR-3200-HL?

The LR-3200-HL Hearing Loop Receiver is a professional assistive listening receiver designed for use with Audio Frequency Induction Loop Systems (AFILS). Built on Listen Technologies' proven iDSP receiver platform, the LR-3200-HL combines rechargeable battery operation, digital signal processing, software-based configuration, and hearing loop-specific listening features into a compact and easy-to-use receiver.

Designed for Hearing Loop Systems

Unlike traditional RF assistive listening receivers, the LR-3200-HL receives audio directly from a hearing loop system through an internal magnetic field sensing system. This allows users to listen to audio from a properly installed hearing loop using compatible headphones, earbuds, or ear speakers connected directly to the receiver.

Managed Receiver Platform

The LR-3200-HL is built on Listen Technologies' proven iDSP receiver platform, providing a modern, rechargeable alternative to traditional hearing loop receivers. The receiver utilizes a rechargeable lithium-ion battery and is compatible with Listen Technologies' family of charging trays, charging accessories, and management tools.

For venues managing multiple receivers, the LR-3200-HL simplifies charging, storage, deployment, and maintenance. Existing Listen iDSP charging trays, batteries, and charging accessories can be shared across compatible products, helping facilities standardize assistive listening equipment while reducing the ongoing cost and maintenance associated with disposable batteries.

Whether managing a small meeting space or a large assistive listening fleet, the LR-3200-HL provides a scalable solution designed for daily use in professional environments.

Dual-Axis Pickup Technology

One of the primary advantages of the LR-3200-HL is its dual-axis telecoil pickup technology. Two internal telecoils work together to improve signal pickup across multiple receiver orientations. This helps minimize signal dropouts and provides more consistent listening performance in perimeter loop installations and other challenging environments.

Advanced Listening Controls

The LR-3200-HL includes multiple listening modes designed to optimize audio performance for a variety of venues and applications. Users and administrators can select between Full, IEC, and Narrow bandwidth modes using the Listen iDSP Software Suite. These modes allow the receiver to prioritize maximum audio fidelity, speech intelligibility, or operation in electrically noisy environments. To help minimize unwanted hum and buzz caused by electromagnetic interference (EMI), the LR-3200-HL includes configurable Hum Filter settings. The Hum Filter can be configured for Auto, On, or Off operation and supports both 50 Hz and 60 Hz electrical environments.

Field Strength Verification

The LR-3200-HL includes a Field Strength Mode that provides a quick visual indication of hearing loop performance. Using the built-in Field Strength LED, venue operators, installers, and support personnel can quickly determine whether the received magnetic field level is low, acceptable, or excessive. This feature is intended for quick confidence checks and demonstration purposes.

Built on the Listen iDSP Platform

The LR-3200-HL shares the same iDSP ecosystem used throughout the Listen receiver family. Existing charging trays, charging accessories, battery systems, and management tools can be used with the receiver, simplifying deployment, inventory management, and maintenance across multiple venues.

Dual Audio Outputs

Two 3.5 mm audio output jacks are provided on the receiver. Either output may be used independently or both outputs may be used simultaneously, allowing two listeners to share a single receiver when desired. Compatible headphones, earbuds, and ear speakers may be connected directly to either output jack.

Typical Applications

The LR-3200-HL is well suited for hearing loop installations in theaters and performing arts centers, houses of worship, classrooms and lecture halls, universities, government facilities, visitor centers, transportation centers, conference rooms, meeting spaces, and many other applications. The receiver is designed for use anywhere a compatible hearing loop system has been installed.

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	Feature	Device Link Action
1	Power On/Off	Press and hold for approximately 1 second to turn the receiver on. Press and hold for approximately 3 seconds to turn the receiver off. Momentarily press while the receiver is on to check battery level.
2	Up/Down Volume Control	Press momentarily to adjust the listening volume up or down. Press and hold to ramp the volume. The Volume Up and Volume Down buttons are also used with the Power button to enter Field Strength Mode.
3	Micro USB	Used for USB charging, programming, firmware updates, and configuration through the Listen iDSP Software Suite.
4	3.5 mm Output Jacks	Connect compatible headphones, earbuds, or ear speakers to either 3.5 mm audio output jack. Both output jacks may be used simultaneously, allowing two listeners to share one receiver.
5	Belt Clip	Allows the receiver to be worn or secured during use. To remove, remove the screw and pull the belt clip from the unit. To install, place the belt clip in position and insert the screw.
6	Charging Contact	For use with compatible Listen charging tray and charging case options.
7	Power LED	Indicates receiver power, charging status, and battery status.
8	Field Strength Mode LED	Provides visual feedback during Field Strength Mode operation. Refer to the Field Strength Mode section of this manual for Field Strength Mode instructions and LED state definitions.
9	Battery Door	Can be removed to access the rechargeable lithium-ion battery and product labeling information.

LR-3200-HL**Hearing Loop Receiver User Manual****LR-3200-HL Product Specification**

Specification	Value	Notes
Audio		
System Distortion	< 1% THD	
Output	Two (2) 3.5 mm connectors (TRRS), unbalanced	
Headphone Impedance	32 ohm	
System Frequency Response	20 Hz - 10 kHz +/- 3 dB	System response will vary based on Receiver Bandwidth setting, loop driver and settings, and overall loop design.
Receiver Bandwidth - Full	20 Hz - 10 kHz +/- 1 dB	
Receiver Bandwidth - IEC	400 Hz - 10 kHz +/- 3 dB	
Receiver Bandwidth - Narrow	500 Hz - 8 kHz +/- 1 dB	
Signal to Noise Ratio	>= 40 dB	Dependent upon loop driver and environmental EMI noise.
Dynamic Range	>= 52 dB	Dependent upon loop driver and environmental EMI noise.
Magnetic Field Pickup	Dual-axis, +/- 3 dB variation from vertical to side orientation	
Magnetic Field Strength Reference	IEC 60118-4 (~400 mA/m)	
Hum Filtering	Auto (default), On, Off	Filtering at 50 Hz or 60 Hz; default is 60 Hz.
Latency	Minimal / not perceptible	
Controls		
User Controls	Power, Volume Up/Down	
Volume Control	20-step digital	5% increments.
Setup Controls	Magnetic Field Strength Mode via button combination	
Programming	Via iDSP Software Suite over USB	
Auto Power	Receiver powers ON when disconnected from charger and powers OFF when connected to charger.	Default enabled; can be disabled.
Auto Off	Receiver powers down after 30 minutes of low field strength.	Enabled at all times.
Jack Sense	Receiver powers ON when headphones are connected and powers OFF when headphones are disconnected.	Default enabled; can be disabled.
Indicators		
Status LEDs	White LED	Power, charging, and status.

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Specification	Value	Notes
Magnetic Field Indicator	Green LED	Solid/flash indication for field strength.
Battery Status Indicator	LED flash sequence	
Power		
Battery Type	Lithium-ion (NP60)	
Battery Life	24 hours of continuous use	
Standby Time	> 3 months	
Charging Time	~2.5 hours	
Power Supply	Micro USB	5 V, up to 500 mA.
Charging Method	USB or docking station	
Physical		
Color	Black	
Unit Weight	68 grams (2.4 oz.), with battery	
Shipping Weight	91 grams (3.20 oz.), with 454 grams (1.0 lbs.) minimum shipping weight	
Dimensions (H x W x D)	9.6 x 5.0 x 1.7 cm (3.75 x 2.00 x 0.64 in)	
Dimensions with Belt Clip	9.6 x 5.0 x 2.1 cm (3.75 x 2.00 x 0.80 in)	
Enclosure Material	ABS + polycarbonate	
Connectors	2x 3.5 mm, Micro USB, charging contacts	
Wearing Options	Belt clip, lanyard, handheld	
Environmental		
Operating Temperature	-10 to 40 deg C (14 to 104 deg F)	
Storage Temperature	-20 to 50 deg C (-4 to 122 deg F)	
Relative Humidity	0 to 95% relative humidity, non-condensing	
Standards	IEC 60068 series	
Compliance		
Loop Standard	IEC 60118-4	
ADA Compliance	ADA 706 / CBC 11B-706	
EMC (US)	FCC Part 15 Class B	
EMC (Canada)	ICES-003 Class B	
EU Compliance	CE, RoHS, REACH, WEEE	

Note: Specifications are subject to change.

Safety Cautions

Hearing Safety

This product is designed to amplify audio to a high volume level which could potentially cause hearing damage if used improperly. To protect your hearing, make sure the volume is turned down before putting on headphones, earbuds, or an ear speaker. Then adjust the volume up to the minimum setting required to hear clearly.

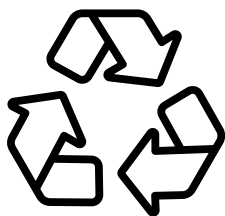
Do not allow children or other unauthorized individuals to have access to this product without supervision.

Medical Device Safety

Before using this Listen product with an implantable or other medical device, consult your physician or manufacturer of your implantable or other medical device. Always make sure you are using this product in accordance with the safety guidelines established by your physician or the implantable device manufacturer.

Recycling

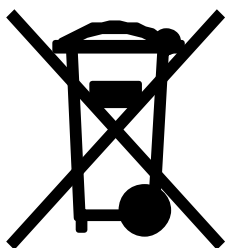
Help Listen Technologies protect the environment! Please take the time to dispose of your equipment properly.



Product Recycling Instructions

Please do NOT dispose of your Listen Technologies equipment in the household trash.

Please take the equipment to an electronics recycling center; OR, return the product to the factory for proper disposal.



Battery Recycling Instructions

Please do NOT dispose of batteries in the household trash. Please take the batteries to a retail or community collection point for recycling.

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Quick Setup and Operation Instructions

1. Unpack Unit

Inspect the receiver and any included accessories for physical damage. If damage is apparent, contact Listen Technologies technical support or your authorized dealer for assistance before using the receiver.

2. Activate Battery

Remove the clear plastic battery protective pull tab located at the bottom of the battery door. Removing the pull tab activates the internal battery connection.

Upon first activation, the battery may have a limited charge. Fully charge the receiver before first use.

3. Charge Battery

Fully charge the rechargeable lithium-ion battery by connecting the receiver to a compatible Listen Technologies charging option. The LR-3200-HL may be charged using compatible Listen charging trays, compatible charging accessories, or the Micro USB connection.



When connected to a charging option, the Power LED flashes to indicate that the receiver is charging. When the battery reaches full charge, the Power LED remains solid.

4. Connect Listening Accessory

Connect compatible headphones, earbuds, or an ear speaker to either 3.5 mm audio output jack on the receiver.

Either output jack may be used by a single listener. Both output jacks may also be used simultaneously, allowing two listeners to share one receiver.

The LR-3200-HL receives hearing loop audio directly through its internal dual-axis telecoil pickup system. A neck loop accessory is not required for operation.



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5. Turn the Receiver On

Press and hold the Power button for approximately 1 second to turn the receiver on. The Power LED illuminates when the receiver is powered on.

6. Listen to a Hearing Loop System

Move into the designated hearing loop coverage area. Once the receiver is powered on and a compatible listening accessory is connected, audio from the hearing loop system is received through the receiver and delivered to the connected listening accessory.

For best results, use the receiver within the intended hearing loop coverage area and avoid placing the receiver in locations where the magnetic field may be obstructed or inconsistent.

7. Adjust Volume

Adjust the listening volume to a comfortable level using the Volume Up and Volume Down buttons. The receiver provides a digital 20-step volume control.

At power up, the receiver starts at the configured default volume level. The default volume level can be adjusted using the Listen iDSP Software Suite.

8. Turn the Receiver Off

Press and hold the Power button for approximately 3 seconds to turn the receiver off. The Power LED turns off when the receiver powers down.

Automatic Power Features

Depending on receiver configuration, the LR-3200-HL may also power off automatically under certain conditions:

- The receiver may power off 30 seconds after connected headphones, earbuds, or an ear speaker are disconnected, when Jack Sense is enabled.
- The receiver powers down after 30 minutes of low magnetic field strength detection.
- The receiver may power off when placed in a compatible charging station, when Auto Power is enabled.

Automatic power settings are managed using the Listen iDSP Software Suite.



Field Strength Mode

The LR-3200-HL includes a Field Strength Mode that provides a visual indication of hearing loop signal strength using the dedicated Field Strength Mode LED.

Field Strength Mode is useful for quickly verifying the presence of a hearing loop signal and observing general changes in field strength throughout a listening area. This mode may be used during installation, troubleshooting, and routine system checks.

Important

Field Strength Mode is intended as a general verification and troubleshooting tool. It is not intended to replace calibrated loop measurement equipment when commissioning, certifying, or verifying compliance with IEC 60118-4 requirements.

Entering Field Strength Mode

1. Press and hold the Volume Up and Volume Down buttons.
2. While continuing to hold both volume buttons, press and hold the Power button.
3. Continue holding all three buttons for approximately 5 seconds.
4. The Field Strength Mode LED illuminates momentarily, indicating that Field Strength Mode has been activated.
5. Release all buttons.

Receiver Orientation

For the most representative Field Strength Mode indication, hold the receiver in a vertical orientation during verification.



Understanding Field Strength Mode LED Indications

Once Field Strength Mode is active, the dedicated Field Strength Mode LED provides a general indication of hearing loop signal strength.

FSM LED State	Indication
LED Off	Magnetic field strength is very low or not detected.
Slow Flashing Green	Magnetic field strength is slightly below the desired operating range.
Solid Green	Magnetic field strength is within the desired operating range.
Fast Flashing Green	Magnetic field strength is above the desired operating range.

Note: LED indications provide general field strength feedback only.

Using Field Strength Mode

- Enter Field Strength Mode.
- Hold the receiver vertically in its normal operating orientation.
- Move throughout the intended hearing loop coverage area.
- Observe the Field Strength Mode LED indication.
- Verify that the hearing loop signal is present and reasonably consistent throughout the listening area.

Field Strength Mode may be useful for:

- Confirming that a hearing loop system is operating.
- Verifying hearing loop coverage in a listening area.
- Identifying areas with unusually low field strength.
- Identifying areas with unusually high field strength.
- Performing basic troubleshooting of hearing loop installations.

Exiting Field Strength Mode

To exit Field Strength Mode, power the receiver off normally.

- Press and hold the Power button for approximately 3 seconds.
- The receiver powers down and exits Field Strength Mode.
- The next time the receiver is powered on, it returns to normal operating mode.

Field Strength Mode Limitations

Field Strength Mode is intended to provide a quick visual indication of hearing loop signal presence and relative signal strength.

Field Strength Mode:

- Does NOT measure field strength to calibrated IEC 60118-4 tolerances.
- Does NOT replace professional hearing loop measurement equipment.
- Should NOT be used as the sole method for certification or commissioning of a hearing loop system.

For commissioning, certification, and detailed performance verification of a hearing loop installation, calibrated measurement equipment should be used.

Battery and Belt Clip

Low Battery Indication

When the receiver detects a low battery condition, the Power LED flashes slowly to indicate that the receiver should be charged. When the low battery indication begins, the receiver has approximately 3 hours of use remaining before the receiver powers off.

Belt Clip Installation/Removal

The belt clip must be removed before the battery compartment can be accessed. To remove the belt clip, remove the retaining screw and pull the belt clip from the receiver. To install the belt clip, place the belt clip in position and reinstall the screw.

Accessing Battery Compartment

After the belt clip has been removed, remove the battery door by pulling down and out on the battery door locking tab. The battery compartment cannot be accessed until the belt clip has first been removed. Product labeling information can be found behind the battery and includes product model information, serial number, contact information, and compliance labeling.

Battery Replacement

Replace the battery if operating time becomes noticeably shorter, the battery no longer holds an adequate charge, or the battery is damaged. Use only a compatible Listen Technologies rechargeable lithium-ion battery specified for the LR-3200-HL, such as the **LA-365 Rechargeable Li-Ion Battery**. Do not use incompatible batteries or modify the battery compartment.

iDSP Software Configuration

The LR-3200-HL can be configured using the Listen iDSP Software Suite. The software communicates with the receiver through the Micro USB connection and allows administrators to configure receiver behavior, manage unit information, and update supported receiver settings.

Administrator Configuration

This section is intended for venue administrators, technical staff, installers, and support personnel. Typical end users do not need to configure the receiver using the iDSP Software Suite.

Connecting the Receiver to iDSP Software

Connect the LR-3200-HL to a computer using the Micro USB port. Once connected, the iDSP Software Suite provides access to supported receiver configuration settings and unit information.

Refer to the iDSP Software Suite help file for detailed software installation, connection, and configuration instructions.

Configurable Features

Feature	Description
Hum Filter	Custom filter that reduces low-frequency 50/60 Hz hum or buzz in loop receiver audio. Available settings are Auto (default), Off, and On. Frequency filtering is available for 50 Hz and 60 Hz environments; default is 60 Hz.
Bandwidth	Selectable receiver bandwidth modes for different loop listening conditions: Full, IEC, and Narrow.
Default Volume	Sets the receiver startup listening volume from 0% to 100% in 5% increments. The default volume is 25% unless changed in software.
Auto Power	When enabled, the receiver powers on when removed from a compatible charger and powers off when returned to a compatible charger. Default enabled; can be disabled.
Jack Sense	When enabled, the receiver powers on when headphones, earbuds, or an ear speaker are connected and powers off after the listening accessory is disconnected. Default enabled; can be disabled.
Unit ID	Assigns a unique three-digit identifier to a receiver for inventory, dispensing, and tracking purposes.
Unit Information	Displays receiver information such as model, serial number, battery level, firmware version, and related unit information when connected to the software.
Firmware Update	Allows supported firmware updates to be performed through the iDSP Software Suite.
Reset to Factory Defaults	Restores configurable receiver settings to their factory default values. Factory reset is performed through the Listen iDSP Software Suite and cannot be initiated directly from the receiver.

Bandwidth Settings

The LR-3200-HL supports three receiver bandwidth settings. The proper setting should be determined based on the listening environment, application, and listener needs.

- Full (default): Provides the best fidelity and audio quality with a wide frequency response. Recommended unless EMI background noise is objectionable or speech intelligibility is inadequate.
- IEC: Meets IEC 62489-1 requirements for loop listening devices for speech intelligibility suitable for general use.
- Narrow: Limits both low-end and high-end frequency content. Intended for applications where low-end or high-end components are not desired, such as extreme EMI or background noise conditions.

Hum Filter Settings

The Hum Filter is intended to reduce low-frequency hum or buzz that may be heard in loop receiver audio. If hum can be heard in the loop receiver audio, enabling the Hum Filter may improve the listening experience.

- Auto (default): Receiver automatically detects low-frequency noise and applies filtering when needed.
- Off: Hum filtering is disabled.
- On: Hum filtering is enabled.

The Hum Filter supports 50 Hz and 60 Hz electrical environments. The default frequency setting is 60 Hz.

Power and Listening Behavior

Several iDSP settings control how the LR-3200-HL powers on, powers off, and starts listening.

- Default Volume controls the receiver startup listening volume. The receiver powers on at the configured default volume rather than retaining the last user-adjusted volume level.
- Auto Power controls whether the receiver powers on when removed from a compatible charging station and powers off when returned to the charging station.
- Jack Sense controls whether the receiver powers on when a listening accessory is connected and powers off after the listening accessory is disconnected.
- The receiver powers down after 30 minutes of low field strength detection. This Auto Off behavior is enabled at all times.

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Unit Identification (ID) and Information

The Unit ID can be used to identify and manage individual receivers in a venue. This is useful for inventory control, dispensing workflows, service tracking, and fleet management.

When connected to iDSP Software Suite, unit information may include model information, serial number, battery information, firmware version, and other receiver details available to the software.

Firmware Update and Factory Defaults

Firmware updates are performed through the Listen iDSP Software Suite when supported firmware updates are available for the receiver.

Factory default settings can be restored using the Factory Reset function within the Listen iDSP

Software Suite.

Refer to the Listen iDSP Software Suite Help Documentation for detailed firmware update and factory reset instructions.

Troubleshooting

Use the following troubleshooting information to help resolve common LR-3200-HL operation issues. If the issue cannot be resolved using these steps, contact Listen Technologies for technical support or an authorized dealer.

Before Troubleshooting

Verify that the receiver battery is charged, a compatible listening accessory is connected, and the receiver is being used within an active hearing loop coverage area.

Issue	Possible Cause	Suggested Action
Power and Battery		
Receiver has no power	Battery may be depleted, battery pull tab may not have been removed, or battery may not be installed properly.	Charge the receiver. Confirm the clear battery pull tab has been removed. If needed, access the battery compartment and verify the battery is installed correctly.
Power LED flashes slowly	Battery is low.	Charge the receiver. When the low battery indication begins, approximately 3 hours of use remain before the receiver powers off.
Battery will not charge	Receiver may not be properly seated in the charger, the Micro USB cable may not be connected, or the battery may need replacement.	Verify the charger or USB power source is connected. Confirm the receiver is seated correctly in the charging tray or that the Micro USB cable is fully connected. Replace the battery if operating time is noticeably reduced or the battery no longer maintains an adequate charge.

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Issue	Possible Cause	Suggested Action
Audio		
No audio heard	Listening accessory may not be connected, volume may be too low, receiver may be outside the loop coverage area, or the hearing loop system may not be operating.	Confirm headphones, earbuds, or an ear speaker are connected to either 3.5 mm output jack. Increase volume. Move into the hearing loop coverage area. Verify the hearing loop system is powered and transmitting audio.
Audio is weak or intermittent	Receiver may be outside the intended coverage area, receiver orientation may affect pickup, or the loop signal may be low in that location.	Move within the designated hearing loop coverage area. Hold the receiver in a normal vertical operating orientation. Use Field Strength Mode to check for low signal areas.
Audio contains hum or buzz	Environmental electromagnetic interference or loop system interference may be present.	Use the Hum Filter setting in the Listen iDSP Software Suite if hum or buzz is present. Verify loop system installation and nearby sources of interference as needed.
Audio is distorted	Listening volume may be too high, loop signal may be excessive, or source audio may be distorted.	Reduce receiver volume. Use Field Strength Mode to check for high field strength areas. Verify the source audio and loop system settings.
Field Strength Mode		
Field Strength Mode LED is off	Magnetic field strength is very low or not detected.	Confirm the receiver is in Field Strength Mode. Verify the loop system is powered and transmitting audio. Move into the intended hearing loop coverage area.
Field Strength Mode LED slow flashes green	Magnetic field strength is slightly below the desired operating range.	Move within the coverage area and verify loop system operation. If the issue persists, the loop system may require adjustment or evaluation.
Field Strength Mode LED fast flashes green	Magnetic field strength is above the desired operating range.	Move to another location in the coverage area. If high indication persists, the loop system may require adjustment or evaluation.
Automatic Power and Configuration		
Receiver powers off unexpectedly	Jack Sense, Auto Power, or low-field Auto Off behavior may be active.	Confirm the listening accessory is connected. If Jack Sense is enabled, the receiver may power off 30 seconds after the listening accessory is disconnected. The receiver also powers down after 30 minutes of low field strength detection.
Receiver does not power on when removed from charger	Auto Power may be disabled or the battery may be depleted.	Charge the receiver and verify Auto Power settings using the Listen iDSP Software Suite.
Receiver does not power on when listening accessory is connected	Jack Sense may be disabled or the receiver battery may be depleted.	Charge the receiver and verify Jack Sense settings using the Listen iDSP Software Suite.
iDSP Software Suite does not detect receiver	USB connection, cable, or software connection issue may be present.	Verify the Micro USB cable is connected securely. Use a known-good USB cable and port. Refer to the Listen iDSP Software Suite Help Documentation for connection guidance.

Service Note

Do not attempt to modify the receiver or battery compartment. Use only compatible Listen Technologies accessories and replacement batteries specified for the LR-3200-HL.

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Accessories

The following compatible accessories are available for use with the LR-3200-HL Hearing Loop Receiver. Accessories may be available from authorized Listen Technologies dealers or by direct purchase through Shop Listen, where available.

Important

The LR-3200-HL receives hearing loop audio directly through its internal dual-axis telecoil pickup system. Neck loop accessories are not required for operation and are not listed as supported accessories for this receiver.



Item	Accessory	Description
Listening Accessories		
LA-165	Stereo Headphones	Compatible stereo headphones for direct connection to either 3.5 mm audio output jack.
LA-164	Ear Speaker	Compatible ear speaker for direct connection to either 3.5 mm audio output jack.
LA-161	Single Ear Bud	Compatible single ear bud for direct connection to either 3.5 mm audio output jack.
Charging and Cable Accessories		
LA-381	12-Unit Charging Tray	Charging tray for charging and storing multiple compatible iDSP receivers.
LA-384	4-Unit Charging Tray	Charging tray for charging and storing up to four compatible iDSP receivers.
LA-421	1-Port USB Charger	Single-port USB charger for charging the receiver using a compatible USB to Micro USB cable.
LA-423	4-Port USB Charger	Four-port USB charger for charging multiple compatible USB-powered devices.
LA-422	USB to Micro USB Cable	USB to Micro USB cable for charging, programming, firmware updates, and iDSP Software Suite connection.
Storage and Management Accessories		
LA-382	Cable Management Unit	Cable management accessory for use with compatible charging and storage configurations.
LA-482	Soft Shell Case 4	Soft shell case for storing and transporting compatible receivers and accessories.
Replacement Battery		
LA-365	Rechargeable Li-Ion Battery	Compatible rechargeable lithium-ion replacement battery for the LR-3200-HL.

Compliance

Compliance Notice and FCC Statement and Industry Canada Statements

Compliance Notice

Compliance Notice and FCC Statement and Industry Canada Statements

Compliance Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) These devices may not cause harmful interference, and (2) these devices must accept any interference received, including interference that may cause undesirable operation.

FCC Statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been certified to comply with the limits for a class B computing device, pursuant to FCC and IC Rules. In order to maintain compliance with FCC and IC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception.

The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

Industry Canada Statement

This equipment complies with ICES-003 class B. CAN ICES-3 (B)/NMB-3(B).

Additional Regulatory Compliance

The LR-3200-HL is designed to comply with applicable regulatory requirements, including:

- FCC Part 15
- ICES-003 Class B
- Applicable CE requirements

Environmental Information

The LR-3200-HL is designed to comply with applicable environmental requirements, including:

- RoHS
- REACH
- WEEE

Dispose of electrical and electronic equipment in accordance with local regulations and applicable recycling requirements.

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Warranty

Listen Technologies warrants LR-3200-HL Hearing Loop receivers to be free from defects in materials and workmanship under normal use and conditions for (5) five-years from the original date of purchase.

All product warranties can be transferred, warranties are valid for (5) years from the original date of purchase.

All rechargeable Li-ion batteries supplied with transceivers and receivers are warranted for (1) one-year from the date of purchase.

This limited warranty, prices and the specifications of products are subject to change without notice.

<https://www.listentech.com/support/warranty/>

AMPETRONIC

AMPETRONIC Unit 2, Trentside Business Village, Farndon Road, Newark
NG24 4XB, United Kingdom
Phone: +44.1636.610062 www.ampetronic.com

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TECHNOLOGIES

LISTEN TECHNOLOGIES 14912 Heritage Crest Way, Bluffdale,
Utah 84065-4818 USA
Phone: +1.801.233.8992 Toll-Free: 1.800.330.0891 www.listentech.com