

Configuration:

LR-3200-HL Loop Receiver

Product Overview:

The LR-3200-HL Hearing Loop Receiver from Listen Technologies delivers clear, reliable audio for users of Audio Frequency Induction Loop Systems (AFILS). Featuring dual-axis telecoil technology, the LR-3200-HL provides consistent audio performance regardless of receiver orientation.

Selectable Full, IEC, and Narrow listening modes optimize performance for different loop installations, while integrated hum filtering helps reduce electrical interference and improve speech intelligibility. A dedicated Field Strength Mode provides visual feedback of loop signal levels for quick system verification.

The compact LR-3200-HL can be worn with a lanyard or belt clip and includes dual 3.5 mm output jacks for shared listening. A micro USB connection supports charging, configuration, inventory management, and firmware updates using the free Listen iDSP Software Suite.

The LR-3200-HL utilizes a field-replaceable rechargeable lithium-ion battery that provides up to 24 hours of operation and is fully compatible with Listen Technologies charging, management, and software tools.

Highlights:

- Dual-Axis telecoil technology delivers consistent audio regardless of receiver orientation.
- Selectable Full, IEC, and Narrow listening modes optimize performance for different listening environments.
- Integrated hum filtering helps reduce electrical noise and improve speech clarity.
- Field Strength Mode provides instant visual feedback of hearing loop signal levels.
- Field-replaceable rechargeable battery delivers up to 24 hours of operation.
- Fully compatible with Listen iDSP charging, management, and software tools.

Includes:

One (1) LR-3200-HL Loop Receiver One (1) LA-365 Rechargeable Li-ion Battery One (1) LA-164 Ear Speaker One (1) LA-445-BK Breakaway Lanyard One (1) Quick Start Guide

Product Specification: Loop Receiver	
Audio	
System Distortion	< 1% THD
Output	Two (2) 3.5 mm connectors (TRRS), unbalanced
Output Power	>= 60 mW into 16Ω load
Headphone Impedance	32Ω

Listen Technologies Corporation * 14912 Heritage Crest Way * Bluffdale * Utah 84065-4818 U.S.A.
+1.801.233.8992 * +1.800.330.0891 North America * +1.801.233.8995 Fax
Listen Technologies Corporation All rights reserved 91407 - Created September 3, 2026

Product Specification: Loop Receiver	
System Frequency Response	20 - 10kHz ±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, with filtering at 50 or 60 Hz (default 60 Hz)
Latency	Minimal / not perceptible
Controls	
User Volume Controls	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 fom charger, 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, powers OFF when headphones are disconnected. Default enabled, can be disabled.
Indicators	
Status LEDs	White LED (power/charging/status)
Magnetic Field Indicator	Green LED (solid/flash 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 (5V, up to 500 mA)
Charging Method	USB or docking station
Physical	
Color	Black
Unit Weight	76 grams
Shipping Weight	215 grams
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

Listen Technologies Corporation * 14912 Heritage Crest Way * Bluffdale * Utah 84065-4818 U.S.A.
+1.801.233.8992 * +1.800.330.0891 North America * +1.801.233.8995 Fax
Listen Technologies Corporation All rights reserved 91407 - Created September 3, 2026

Product Specification: Loop Receiver	
Connectors	2x 3.5 mm, Micro USB, charging contacts
Wearing Options	Belt clip, lanyard, handheld
Environmental	
Operating Temp	-10 to 40°C (14 to 104°F)
Storage Temp	-20 to 50°C (-4 to 122°F)
Relative Humidity	0 to 95% relative humidity, non-condensing
Standards	IEC 60068 series
Compliance	
Loop Standard	IEC 60118-4
EMC (US)	FCC Part 15 Class B
EMC (Canada)	ICES-003 Class B
EU Compliance	CE, RoHS, REACH, WEEE

Listen Technologies Corporation * 14912 Heritage Crest Way * Bluffdale * Utah 84065-4818 U.S.A.
+1.801.233.8992 * +1.800.330.0891 North America * +1.801.233.8995 Fax
Listen Technologies Corporation All rights reserved 91407 - Created September 3, 2026