

LR-300 Digital Receiver

Listen[®]

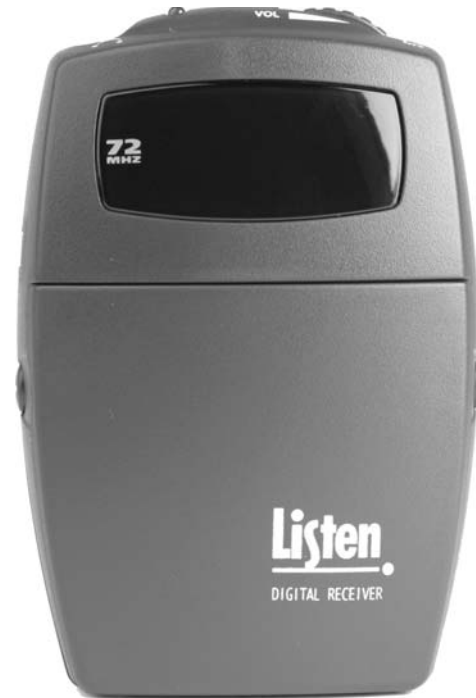
www.ListenTech.com

Specify Part Number

LR-300-072

The LR-300 Digital Receiver is a low cost digital receiver. It has the same exceptional audio quality as Listen's full-featured receivers and the same convenient recharging options.

The LR-300 utilizes the 17 most common wide band channels, with a SEEK channel selection button behind the door panel. The LR-300 does not use an LCD, but instead a multi-function LED.



Benefits

- Exceptional audio quality! 80 dB signal-to-noise ratio!
- 17 field tunable channels (unless electronically locked on one channel).
- SEEK button behind mechanically locking door, thus discouraging end users from changing the channel selected.
- Excellent for schools, language interpretation, museums, and tour group applications where users do not change channels
- 100 % Digital – Listen receivers are digitally-tuned so transmission won't drift; assurance that when you select a channel, it stays on channel!
- Built in SmartCharge™ won't allow batteries to overcharge! Charging circuitry is conveniently built into Listen's receivers; never worry about unplugging a transformer at a certain time.
- Transformer charging plug or for the ultimate in convenience drop in charging contacts.

User Applications

- ADA compliance
- language interpretation
- meeting rooms
- meeting monitoring
- auditory description
- fitness centers
- convention centers
- judges chambers
- training facilities
- houses of worship
- tours
- offices
- cinemas
- schools
- trade shows
- amphitheaters
- parks
- zoos
- and many more!

Listen Technologies Corporation

14912 Heritage Crest Way
Salt Lake City, UT 84065-4818 U.S.A.
Phone: 1.801.233.8992 or 1.800.330.0891
Fax: 1.801.233.8995
Email: info@ListenTech.com

Don't miss a single sound.



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LR-300 Features

1. Line-level earphone jack (3.5 mm) accepts either mono or stereo headsets. Receiver antenna is built into the earphone cord, eliminating additional wires while maximizing receiver effectiveness.
2. Multifunction LED indicates power on, if batteries are low, and charging status.
3. Easy on/off volume control.
4. Manually lockable battery compartment door.
5. Exclusive belt clip "loop" prevents unit from slipping off belt or strap.
6. Charging plug port.
7. Digitally tuned with SEEK button behind manually lockable door. Electronically lock on channel by holding the SEEK button down 5 seconds to prevent tampering.
8. Uses two AA batteries. Selectable to use either alkaline or Listen's advanced NiMH Rechargeable AA Batteries. SmartCharge™ incorporated into receiver makes sure each unit receives the most beneficial charge.
9. When enabled, SQ provides highest audio quality available in its product category. SQ can be disabled for compatibility with other assistive listening equipment.
10. Contact points for Listen's drop in charging cases.

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LR-300 Digital Receiver Accessories

Listen®

www.ListenTech.com

Earphones



Ear Speaker

LA-164



Single Ear Bud

LA-161



Dual Ear Bud

LA-162



Consumer Camcorder Cable

LA-265



Professional Camcorder Cable

LA-266



Stereo Headset

LA-165



Neckloop

LA-166



Behind-the-Head Earphones

LA-170



Sacrificial Cable

LA-275

Connector Options

Architectural Specifications

The FM receiver shall be capable of receiving on 17 wide band channels and have a SNR of 80 dB or greater. The receiver shall be capable of seeking channels. The device shall have a squelch. The device shall have an audio frequency response of 50 Hz to 15 KHz, ± 3 dB at 72 MHz. The device shall incorporate a stereo headset jack that allows the user to plug in either a mono or stereo headset and listen to audio normally. The receiver shall incorporate automatic battery charging circuitry for recharging of NiMH batteries. The Listen LR-300 is specified.

Warranty

Listen Technologies Corporation (Listen®) warrants its receiver (LR-300) to be free from defects in workmanship and material under normal use and conditions for the useful lifetime of the product from date of purchase. This warranty is only available to the original end purchaser of the product and cannot be transferred. Warranty is only valid if warranty card has been returned within 90 days of purchase. This warranty is void if damage occurred because of misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not cover normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect. Listen is not liable for consequential damages due to any failure of equipment to perform as intended. Listen shall bear no responsibility or obligation with respect to the manner of use of any equipment sold by it. Listen specifically disclaims and negates any warranty of merchantability or fitness of use of such equipment including, without limitation, any warranty that the use of such equipment for any purpose will comply with applicable laws and regulations. The terms of the warranty are governed by the laws of the state of Utah, U.S.A. Listen will only accept returned products with prepaid shipping and with a return merchandise authorization number. To receive a return merchandise authorization number call 1.800.330.0891 or 1.801.233.8992. Please see www.ListenTech.com or contact Listen for complete warranty details.

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Specifications

| | | |
|--|---|---|
| RF | RF Frequency Range | 72.025 - 75.950 MHz |
| | Number of Channels | 17 (wide band) |
| | Sensitivity | .6uV typical, 1 uV maximum for 12dB SINAD |
| | Frequency Accuracy | ± .005% stability 32 to 122° F (0 to 50°C) |
| | Antenna | Uses earphone cable |
| | Antenna Connector | 3.5mm connector |
| | Squelch | Automatic on loss of RF signal |
| Compliance | FCC Part 15, Industry Canada | |
| ** All system specifications are wireless end-to-end | | |
| Audio | System Frequency Response | 63 Hz - 15 kHz (±3dB) |
| | System Signal to Noise Ratio (A-weighted) | SQ enabled: 80dB; SQ disabled 60dB |
| | System Distortion | <2% total harmonic distortion (THD) at 80% deviation |
| | Output | 3.5mm connectors, unbalanced, 0dBu nominal output level, 16mW maximum, impedance 32 Ohms |
| Controls | Set Up Controls | Alkaline/NIMH batteries, SQ enable/disable |
| | User Controls | Volume, SEEK (Channel SEEK is electronically lockable) |
| | Programming | Channel selection can be locked by holding the SEEK button for 5 seconds. |
| Indicators | LED | Red, illuminates when unit is on. Flashes when batteries are low. Flashes when locked and user attempts to seek to another channel. |
| Power | Battery Type | Two AA batteries, alkaline or NIMH |
| | Battery Life (Listen batteries) | 30 hours alkaline (LA-361), 15 hours NIMH rechargeable (LA-362) |
| | Battery Charging (NIMH only) | Fully automatic, 14 hours |
| | Power Supply Connector | 2.3mm OD by 0.7mm ID, barrel type connector. 7.5VDC, center positive <250mA. Drop in contact points for use with Listen charging cases. |
| Compliance | | UL Listed |
| Physical | Dimensions | 3.0 x 1.0 x 5 in. (7.6 x 2.5 x 13.0 cm) W x D x H |
| | Unit Weight | 3.9 oz. (111 gm) |
| | Unit Weight with batteries | 5.8 oz. (164.4 gm) |
| | Shipping Weight | 1.0 lbs. (453.6 kg) |
| | Door | Manually lockable. SEEK behind the door. |
| Environmental | Temperature - Operation | 14 to 104° F (-10 to 40° C) |
| | Temperature - Storage | -4 to 122° F (-20 to 50° C) |
| | Humidity | 0 to 95% relative humidity, non-condensing |

Photographs, CAD drawings, etc. available at www.ListenTech.com.

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