

LR-300 Digital Receiver

Model: LR-300-072 (for 72MHz)

Specify Part Number

LR-300-072

The Listen LR-300 Digital Receiver offers 17 channels and is 100% digitally tuned. A multifunction LED indicates power on, charging and low power status. Change channels with SEEK button behind the lockable door. Integrated belt clip.

Lit LED = 'power on'
Flashing = 'battery low'
2X Flashing = 'charging'

ON/OFF and volume control

Earphone plugs in here and can be securely fastened (accepts mono or stereo jacks)

Mechanical lock prevents users from accessing SEEK control, batteries or SQ disabling controls



Key Features

- Exceptional audio quality! 80dB sound-to-noise ratio!*
- 17 field tunable channels (unless you lock it on only one channel).
- SEEK button behind mechanically locking door, thus discouraging end users from changing the channel selected.
- Excellent for general personal use, schools, language interpretation, museums, and tour group applications.
- 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.
- Press SEEK to find an in-range transmitting channel; perfect for personal use.
- Mechanical locking door to prevent tampering.

* SNR when Listen SQ™ enabled from end-to-end on system

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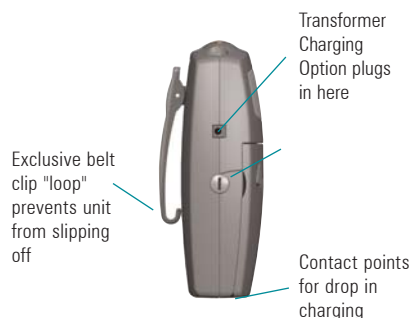
Wireless Audio

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For copies, refer to #
LL-311

LR-300 Digital Receiver

Side View of LR-300 Digital Receiver



LR-300 Digital Receiver with Lockable Door Open

The LR-300 is tuned by pressing the SEEK button. It may be electronically locked to prevent users from changing channels.



Use With

LA-161 Single Ear Bud
LA-162 Dual Ear Buds
LA-164 Ear Speaker
LA-165 Stereo Headset
LA-166 Neckloop
LA-361 High Capacity Alkaline Batteries
LA-362 NiMH Rechargeable Batteries
LA-275 Sacrificial Cable

Accessories

LA-319 Protective Pouch
LA-306 Soft Case
LA-202 Power/Charging Supply for Listen Portable Units
LA-317 4-Unit Charging/Carrying Case
LA-318 4-Unit Carrying Case
LA-323 8-Unit Charging/Carrying Case
LA-322 8-Unit Carrying Case
LA-311 16-Unit Charging/Carrying Case
LA-313 16-Unit Carrying Case
LA-320 Configurable Carrying Case

Specifications

RF Frequency Range:

72MHz: 72.1 - 75.9MHz

Sensitivity: .6uV typical, 1uV maximum for 12dB SINAD

Signal to Noise Ratio*:

80dB with SQ enabled. 60dB with SQ disabled

Frequency Response: 50 to 15 KHz
+/-3dB (10KHz at 216 MHz)

Distortion: < 2% THD

Squelch: On loss of RF signal

Antenna: Uses headphone cable

Dimensions: 3.0 in (7.6cm) wide by 1.0 in (2.5cm) deep by 5.0 in (13cm) height

Weight: 0.4 lb (0.18 kg) with batteries

Belt Clip: Built into back of unit

Door: Screwdriver lockable

Headphone: Many options available

Power: Two AA batteries, high capacity alkaline or NiMH rechargeable; external power connector 7.5 VDC, tip positive, <300mA

Battery Life:

40 hours with high capacity alkaline, 20 hours with rechargeable NiMH

Available Channels:

17 wide band

Controls: Channel SEEK behind lockable door; NiMH/Alkaline battery selection and SQ Disabling switches behind the door

* **Wireless Transmission System Specifications:** End-to-end

Architectural Specifications

The FM receiver shall be capable of at least receiving on 17 wide band channels. The receiver shall be capable of seeking channels. The receiver shall have a squelch. The receiver shall have an audio frequency response of 50Hz to 15KHz, +/- 3dB at 72MHz. The receiver 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 Listen LR-300 is specified.