

# 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! 80dB 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!



Don't miss a single sound.

Listen Technologies Corporation  
8535 South 700 West, Suite A  
Sandy, UT 84070-2515 USA  
Phone: +1.801.233.8992 or 1.800.330.0891  
Fax: +1.801.233.8995  
Email: info@ListenTech.com

# LR-300 Digital Receiver

# Listen<sup>®</sup>

www.ListenTech.com



## LR-300 Features

1. Line-level earphone jack (3.5mm) 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.

Don't miss a single sound.

Listen Technologies Corporation  
8535 South 700 West, Suite A  
Sandy, UT 84070-2515 USA

Phone: +1.801.233.8992 or 1.800.330.0891  
Fax: +1.801.233.8995  
Email: info@ListenTech.com

# LR-300 Digital Receiver Accessories

# Listen<sup>®</sup>

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



**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 80dB 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 50Hz to 15KHz,  $\pm 3\text{dB}$  at 72MHz. 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. All other products and accessories are warranted for ninety days 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. Listen will only accept returned products with prepaid shipping and with a return authorization number. To receive a return authorization number call 1.800.330.0891 or +1.801.233.8992. Please see [www.ListenTech.com](http://www.ListenTech.com) or contact Listen for warranty details.

Don't miss a single sound.

Listen Technologies Corporation  
8535 South 700 West, Suite A  
Sandy, UT 84070-2515 USA

Phone: +1.801.233.8992 or 1.800.330.0891  
Fax: +1.801.233.8995  
Email: [info@ListenTech.com](mailto:info@ListenTech.com)

# LR-300 Digital Receiver



www.ListenTech.com

Specification		LR-300-072
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 0° to 50°C (32° to 122° F)
	Antenna	Uses earphone cable
	Antenna Connector	3.5mm connector
	Squelch	Automatic on loss of RF signal
Compliance	FCC Part 15, Industry Canada	
Audio	** All system specifications	
	System Frequency Response	63Hz - 15kHz (±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 charging. 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 in x 1.0 in x 5 in WxDxH (7.6cm x 2.5cm x 13.cm)
	Unit Weight	3.9oz (111g)
	Unit Weight with batteries	5.8 oz (164.4g)
	Shipping Weight	1.0 lbs (453.6kg)
	Door	Manually lockable. SEEK behind the door.
Environmental	Temperature - Operation	-10° to 40°C (14° to 104° F)
	Temperature - Storage	-20° to 50°C (-4° to 122° F)
	Humidity	0 to 95% relative humidity, non-condensing

Photographs, CAD drawings, etc. available at [www.ListenTech.com](http://www.ListenTech.com).

Don't miss a single sound.

Listen Technologies Corporation Phone: +1.801.233.8992 or 1.800.330.0891  
 8535 South 700 West, Suite A Fax: +1.801.233.8995  
 Sandy, UT 84070-2515 USA Email: [info@ListenTech.com](mailto:info@ListenTech.com)