



Configuration:

- LR-100-072 Stationary RF Receiver/Power Amplifier (72 MHz)
- LR-100-216 Stationary RF Receiver/Power Amplifier (216 MHz)

Product Overview:

Listen’s LR-100 Stationary RF Receiver/Power Amplifier is a stationary auditory assistance receiver with a built-in power amplifier. When used with a Listen transmitter, the LR-100 can deliver high quality audio for use in a variety of locations and applications — most commonly with a wireless audio distributed system. This unit has Listen’s signature Look&Listen™ LCD Display showing channel, lock, and battery level. A security cover protects auxiliary and receiver volume, adjustable squelch and trim controls. It has an balanced or unbalanced speaker wire output options. Multiple input options give this unit great flexibility. It’s powered by a 15 VAC/1000mA power input or 12 VDC battery. An antenna is needed for reception.

Highlights:

- Superior audio quality - 80 dB signal-to-noise ratio (SNR), setting the industry’s sound quality standard
- 57 channels
- 100 % Digital - Listen receivers are digitally-tuned so the transmission won’t drift
- Programmability - Unneeded channels can be locked so this receiver will access only one or more channels of your choice
- Look & Listen™ LCD shows channel, battery status, signal strength and programming information
- Uses standard alkaline or nickel-metal hydride (NiMH) batteries
- Built in SmartCharge™ won’t allow batteries to overcharge. Charging circuitry is conveniently built into Listen’s receivers
- Drop in charging contacts for any of Listen’s many charging cases or a charging plug on the side of the unit
- Adjustable squelch control
- Selectable audio output
- Multiple input options
- Remote control capabilities
- Optional 12 VDC input
- Many accessory options make Listen products ideal for a wide range of applications

Includes:

- One (1) LR-100 Stationary RF Receiver/Power Amplifier
- One (1) LR-100 manual
- One (1) LA-201 15 VAC Power Supply
- One (1) LA-124 90° Helical Antenna (216 MHz)
- One (1) Hex Wrench

Product Specification: Stationary RF Receiver/Power Amplifier (216 MHz)	
Audio	
Frequency Response	System: 63 Hz - 10 kHz (±3 dB)
Signal-to-Noise Ratio	80 dB SQ enabled, 50 dB SQ disabled (A Weighted)
Distortion	< 2% total harmonic distortion (THD) at 80% deviation
Input/s	One (1) female XLR-1/4 in combo connector, balanced, 0 dBu nominal input level adjustable, +13 dBu maximum, impedance 600 ohmTwo (2) phono connectors, unbalanced, -10 dBu nominal input level adjustable, +7 dBu maximum, impedance 10k ohm band, 40 narrow band

Product Specification: Stationary RF Receiver/Power Amplifier (216 MHz)	
Output/s	One (1) male XLR, balanced, 0 dBu nominal output level, +16 dBu maximum, impedance 2k/10 Ohms (line/mic)Two (2) phono connectors, unbalanced, -10 dBu nominal output level, +2 dBu maximum, impedance 2k ohmOne (1) 3.5mm stereo connector, unbalanced, adjustable output level, +7 dBu maximum, impedance 10 ohmOne (1) detachable terminal block, bridged, adjustable output level, 15/10 watts (peak/RMS) continuous power with 4 ohm load
Controls	
User Controls	Front: Power, test tone on/off, channel up/down, input levels, mix level, contour, monitor volume controlRear: Audio output select (RX Only, RX + AUX, RX or AUX),Speaker (Output, Aux), switchable balanced output levelRemote Controls: Eight (8) position detachable terminal block, channel up, channel down, mute
Programming	Unit can be programmed so that only desired channels are displayed to the user, channel selection can be locked by holding the SEEK button 5 seconds.
Indicators	
LCD	Channel designation, lock status, RF power level, programming (front panel)
Power LED	Indicated by a green LED when on (front panel)
VU Meter	Four (4) LED (three green, one red)
RF Power	Indicated on the LCD (low, mid, high)
Squelch	Green LED illuminates when the unit is squelched
Mute	Green LED illuminates when the output audio is muted
RF	
Frequency Range	216.025 - 216.987 MHz
Number of Channels	57 (19 wide band, 38 narrow band)
Sensitivity	.6uV typical, 1 uV maximum for 12 dB SINAD
Frequency Accuracy	± .005% stability +32 °F to +122 °F (0 °C to +50 °C)
Antenna Type	LA-124 90° Helical Antenna (216 MHz)
Antenna Connector	BNC
Power	
Power Supply Input	120 VAC, 60 Hz, 19 Watts
Power Supply Output	15 VAC, 1 Amp
Power Supply Connector	.02 in (5.0 mm) OD, .01 in. (2.5 mm) ID, barrel type
Optional Battery	12VDC, connected via terminal block
Optional Battery Charging	Trickle charge of optional 12VDC battery through terminal block connection
Power Supply Type	In line power supply, Listen part number LA-201
Physical	
Color	Dark Grey with white silk screening
Unit Weight with Power Supply	4.2 lbs. (1.9 kg)
Shipping Weight	7.0 lbs. (3.2 kg)
Rack Mounting	One (1) rack space height, 1/2 rack space wide, one (1) or two (2) receivers can be mounted in one rack space, optional rack mount (LA-326)
Dimensions (H x W x D)	1.75 x 8.50 x 9.13 in. (4.5 x 21.5 x 23 cm)

Product Specification: Stationary RF Receiver/Power Amplifier (216 MHz)	
Unit Weight	2.8 lbs. (1.3 kg)
Environmental	
Temperature - Operation	-10 °C (14 °F) to +40 °C (104 °F)
Temperature - Storage	-20 °C (-4 °F) to +50 °C (122 °F)
Relative Humidity	0 to 95% Relative Humidity, non condensing
Compliance	
Power Supply Compliance	UL Listed
Standards	FCC Part 15, Part 90, Industry Canada