

LR-200-072 Standard 3-Channel FM Receiver (72 MHz)

Don't miss a single sound. **Listen**[®]
www.listentech.com



Configuration

LR-200-072

The LR-200-072 Standard 3-Channel FM Receiver (72 MHz) is a solution for assistive listening where simplicity and cost are important. The unit gives the user a choice between three different preset frequencies that will be transmitted in the area. The receiver can be used with any of Listen's current headphones. The LR-200-072 is also included in Listen's LP-3CV-072 Value Package for the lowest priced solution to meet your assistive listening needs.

Highlights

- Economical price – backed by Listen's exceptional service and support.
- Three (3) channels – makes it simple to install, manage and use with a simple set switch.
- Reliable clear sound quality - 62 dB Signal-to-noise ratio (SNR).
- Long battery life at 120 hours on alkaline, 75 hours NiMH rechargeable.
- Universal headphone jack offers mono or stereo output – accommodates any version or brand of earpiece.
- Recharge time - 10 - 12 hours under normal use.
- One step digital tuning – receiver won't drift off channel.
- Limited Lifetime Warranty.
- Ensures public venues meet ADA requirements.
- 30-day no obligation demonstrations available.

Includes

LR-200-072 Standard 3-Channel FM Receiver (72 MHz)
Quick Reference Card

Used With

LP-3CV-072 Listen 3-Channel FM Value Package
LT-803-072 Stationary 3-Channel FM Transmitter (72 MHz)

Architectural Specification

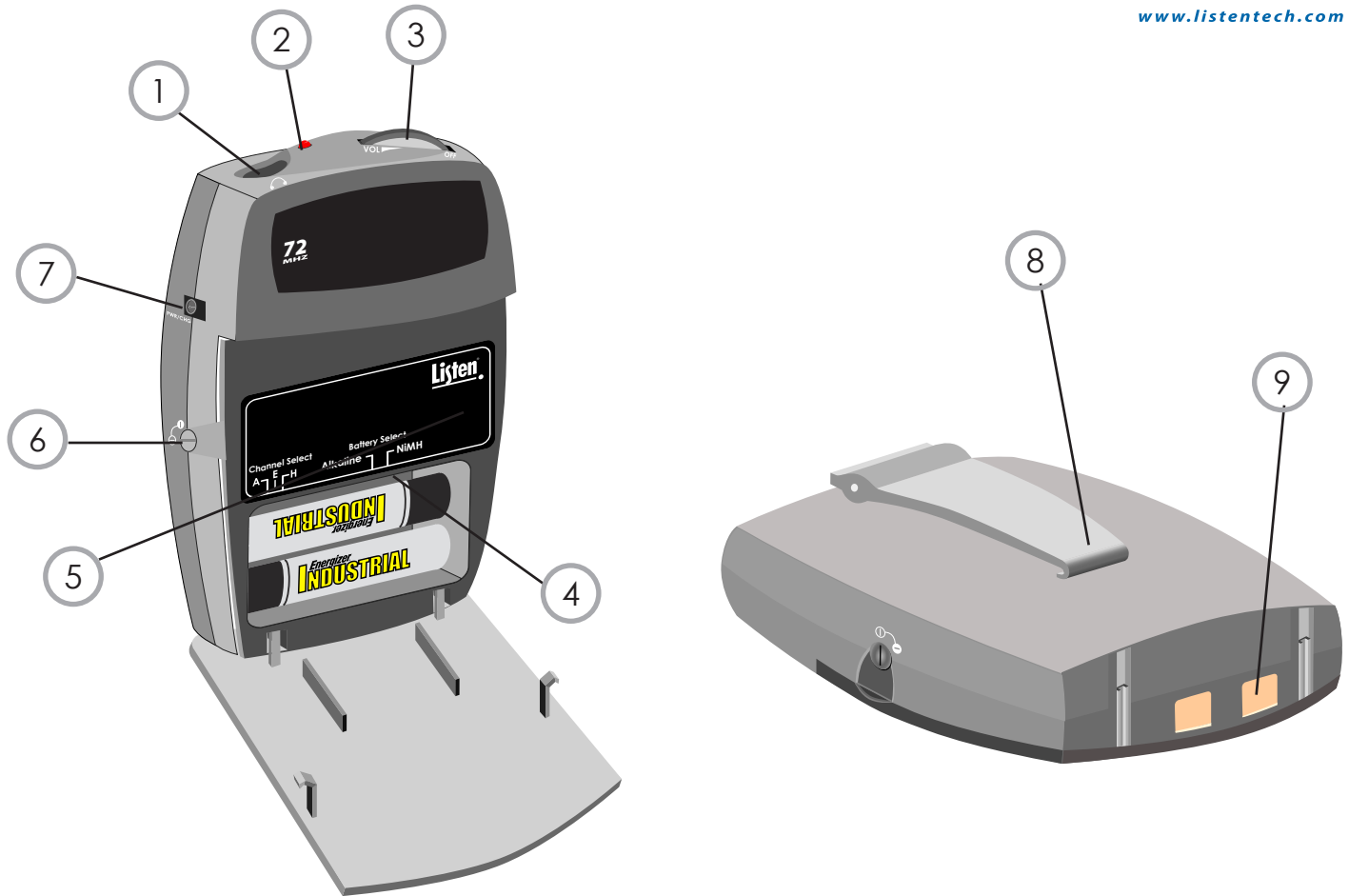
LR-200-072

The FM receiver shall be capable of receiving on three wide band channels. The receiver shall have an SNR of 62 dB or greater. 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 earphone(s). The unit shall operate with (2) AA batteries. The receiver shall incorporate automatic battery charging circuitry for recharging of NiMH batteries. The device shall have a switchable option for the use of (2) alkaline or (2) NiMH batteries. The Listen LR-200-072 is specified.

Requires

Requires a type of earphone and (2) AA batteries.

LA-161 Single Ear Bud
LA-162 Stereo Ear Bud
LA-164 Ear Speaker
LA-165 Stereo Headphones
LA-166 Neck Loop
LA-170 Behind-the-Head Stereo Headphones
LA-171 Noise Canceling Headphones
LA-361 High Capacity AA Alkaline Batteries (2)
LA-362 Rechargeable AA NiMH Batteries (2)



Product Features LR-200-072

1. An 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. Flashes when batteries are low.
3. Easy ON/OFF volume control.
4. Uses two (2) AA batteries. Selectable to use either alkaline or Listen's advanced NiMH Rechargeable AA Batteries.
5. Channel Select Switch allows choice between 3 channels (A, E, H).
6. Manually lockable battery compartment door.
7. Charging plug port.
8. Exclusive belt clip "loop" prevents unit from slipping off belt or strap.
9. Contact points for Listen's drop in charging cases.

Accessories



LA-161

Earphones

LA-161 Single Ear Bud
LA-162 Stereo Ear Bud
LA-164 Ear Speaker
LA-165 Stereo Headphones
LA-166 Neck Loop
LA-170 Behind-the-Head Stereo Headphones
LA-171 Noise Canceling Headphones



LA-321

Charging/ Carrying Cases

LA-311-01 16-Unit Portable FM Product Charging/Carrying Case (North America)
LA-317-01 4-Unit Portable FM Product Charging/Carrying Case (North America)
LA-321-01 8-Unit Portable FM Product Charging/Carrying Case (North America)
LA-320 Configurable Carrying Case



LA-324

Charging/ Carrying Cases with Removable Lid

LA-323-01 4-Unit Portable FM Product Charging/Carrying Case w/Removable Lid (North America)
LA-324-01 8-Unit Portable FM Product Charging/Carrying Case w/Removable Lid (North America)
LA-325-01 16-Unit Portable FM Product Charging/Carrying Case w/Removable Lid (North America)



LA-362

Miscellaneous

LA-202 Power/Charging Supply for FM Portable Products
LA-306 Soft Case (72 MHz & 216 MHz only)
LA-319 Protective Pouch for Portable FM Products
LA-320 Configurable Carrying Case
LA-330 Portable Unit Lanyard
LA-361 High Capacity AA Alkaline Batteries (2)
LA-362 Rechargeable AA NiMH Batteries (2)



LA-266

Cables

LA-265 Consumer Camcorder Cable
LA-266 Professional Camcorder Cable
LA-275 Sacrificial Cable

Related Package

LP-3CV-072

- (1) LT-803-072 Stationary 3-Channel FM Transmitter
- (4) LR-200-072 Standard 3-Channel FM Receiver
- (1) LA-123 90 Helical Antenna
- (4) LA-161 Single Ear Bud
- (1) LA-304 Assistive Listening Notification Signage Kit



	Specifications	LR-200-072
RF	RF Channel Range	(A) 72.100, (E) 72.900, (H) 75.900
	Number of Channels	3 wide band
	Sensitivity	.6 uV typical, 1 uV maximum for 12dB sinad
	Frequency Accuracy	+/- .005% stability 32° to 122°F (0° - 50°C)
	Antenna	Uses earphone cable
	Squelch	None
	Compliance	FCC Part 15, Industry Canada, RoHS

** All system specifications are wireless end-to-end

Audio	System Frequency Response	50Hz - 15kHz (+/-3dB)
	System Signal to Noise Ratio	62 dB
	System Distortion	<2% total harmonic distortion (THD) at 80% deviation
	Output	3.5 mm (0.14 in.) connectors, unbalanced, 0 dBu nominal output level, 16 mW maximum, impedance 32 Ohms

Controls	User Controls	ON/OFF, Volume
	Set up Controls (battery compartment)	Alkaline/NiMH batteries, channel select switch
	Programming	None

Indicators	LED	Red, illuminated when unit is on or to indicate charging, flashes when batteries are low.
	LCD Display	None

Power	Battery Type	Two (2) AA batteries, alkaline or NiMH
	Battery Life (Listen Batteries)	120 hours alkaline (LA-361), 75 hours NiMH rechargeable (LA-362)
	Battery Charging (NiMH only)	Fully automatic, 10-12 hours under normal use.
	Power Supply	I/P 120VAC; O/P 7.5VDC 250 mA; drop in contact points for use with charging cases. Power supply not included (LA-202)
	Power Supply Connector	2.3 mm OD by 0.7 mm ID, barrel type connector, 7.5 VDC, center positive <250 mA. Drop in contact points for use with Listen charging cases.
	Power Supply Compliance	RoHS, WEEE, UL, PSE, CE, CUL, TUV, CB compliant

Physical	Dimensions H x W x D	4.25 x 2.75 x 1.50 in. (10.8 x 7.0 x 3.8 cm)
	Color	Dark Grey with white silk screening and dark lens
	Unit Weight	3.1 oz. (88 g)
	Unit Weight with batteries	5.2 oz. (147 g)
	Shipping Weight	1.0 lb (0.5 kg)
	Door	Manually lockable. channel select 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

** Specifications are subject to change without notification

Frequently Asked Questions

Q What is the battery life of the LR-200-072

A 120 hours alkaline. 75 hours NiMH.

Q What is the charge time of the LR-200-072 using two (2) NiMH batteries?

A 10-12 hours under normal use.

Q How many receivers can I have in a system?

A As many as you need, the number is endless.

Q What are the differences between the LR-200-072 and other Listen receivers?

A The LR-200-072 offers three (3) frequencies and can be changed inside the door of the receiver via a switch. The LR-200-072 does not have an LCD screen and SQ (Super Quiet). Also, it does not have the ability to SEEK for open frequencies, squelch, or be programmed. Finally, the SNR is 62 dB compared to 80 dB on Listen's other receivers.

Q Can the LR-200-072 be used with the LT-800-072?

A Yes. The SQ function on the transmitter must be turned off and the transmitter can only be used with one of the three optional frequencies (A, E, H).

Q Can the LR-200-072 be used with the LT-700-072?

A No.

Q What is the warranty of Listen receivers?

A Limited lifetime warranty. The following cases will void the warranty:

- Misuse, dropping, or any other noticeable cosmetic damage.
- Charging alkaline batteries instead of NiMH.
- Overheating the charging process by closing the lid on the charging case.