Listen Technologies LR-4200-072 Intelligent DSP RF Receiver User Manual

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Dear Valued Customer,

Thank you for choosing Listen! We are dedicated to providing you with the highest quality products available and take pride in delivering outstanding performance to ensure you are completely satisfied. We independently certify each of our products to the highest quality standards and back them with a limited lifetime guarantee. We are available to answer any questions you might have during installation or in the operation of our products. At Listen, it's all about you, should you have any comments or suggestions we're here to listen.

Here's how to reach us:

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- + 1.800.330.0891 North America
- + 1.801.233.8995 fax **support@listentech.com www.listentech.com**
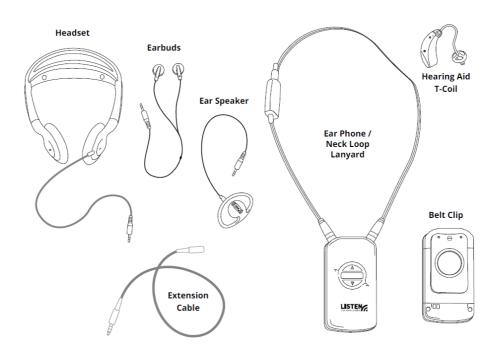
Thank you and enjoy your listening experience!

Best regards,

Russell Gentner and the Listen Team

- In the few instances where repairs were needed, 99% of all clients indicated that they were happy with repair turn-around-times, and 85% of the time, clients were without their product for less than 10 days!
- Overall client satisfaction of working with Listen was rated 4.8 out of 5.
- "Please continue with your excellent attitude toward customer satisfaction. You guys are great!"
- "I've never had such good service from any company. Keep up the good work!"
- "You stand behind your product wonderfully."

iDSP™ Receivers

The LR-4200 is a powerful Assistive Listening Receiver designed to be compact and simple to use. The unique design of the iDSP™ receiver family allows them to be worn as a necklace, using the belt clip or concealed in a pocket, making this the most inconspicuous ALS receiver on the market.

Each receiver can be purchased with a Ear Phone/Neck Loop Lanyard that is designed to hold the receiver like a necklace similar to the Blue Tooth™ transceivers used with many of the today's hearingaids. The Ear Phone/Neck Loop Lanyard can be used as the induction loop for those users who have T-coil enabled hearing aids or cochlear implants, inducing the received audio directly into these T-coil enabled devices. The Ear Phone/Neck Loop Lanyard also provides the connection to Listen's Universal Ear Speaker, Earphones and Headphones, incorporating a short connection cable that plugs directly into the Ear Phone/ Neck Loop Lanyards 3.5mm headset jack located 2/3 of the way up the lanyard. A second 3.5mm extension cable provided with Listen's universal earphones provides the length of cable required to place the receiver in a pocket or using the belt clip.

LR-4200 Quick Reference

1. **OLED Display Area:** Displays battery status, unit ID, channel status, volume status and charge activation
2. **Micro USB:** USB charging, programming, firmware updates and inventory dispensing
3. **Up/Down Volume Control:** Press momentarily to adjust the volume up/down or press and hold to ramp the volume.

    Note: Press and hold both up and down buttons for 5 seconds to activate channel select, use up and down to change the channel. Momentarily press the power button to save and exit

4. **3.5 mm Output Jacks:** Connect Listen Ear Phone/Neck Loop Lanyard for use with T coil hearing aids or with Universal Ear Speaker or Headphone.

5. **Belt Clip:** To remove, remove screw and pull belt clip from unit. To install place belt clip in place and insert screw.

6. **Charging Contact:** For use with Listen charging tray options.

7. **Power On/Off:** Press and hold for 1 second to turn on. Press and hold for 3 seconds to turn off.

8. **LED:** Indicates low battery condition and charging status

9. **Battery Protective Pull Tab:** Remove clear plastic pull tab to activate internal battery connections.

10. **Battery Door:** Can be removed to access battery and product labeling information.

LR-4200 Specifications

Product Specification: LR-4200-072 / LR-4200-216		
Audio	System Frequency Response System Signal to Noise Ratio System Distortion Output/s	50 Hz – 15 kHz (±3 dB) / 50 Hz – 10 kHz (±3 dB) SQ enabled 80 dB, SQ disabled 60 dB / SQ enabled 80 dB, SQ disabled 50 dB <2% total harmonic distortion (THD) at 80% deviation Two (2) 3 .5 mm (0.14 in.) connectors, unbalanced, 0 dBu nominal output level, 16 mW maximum, impedance 32 ohm
Controls	User Controls Set-up Controls Programming	Power, up/down volume Press and hold up/down volume buttons for 5 seconds to enter channel adjust, use up/down to select channel Via software and USB port
Indicators	LED Display	Flashes when batteries are low or to indicate charging, solid when fully charged Channel designation,battery level, unit number, charging status

RF	Frequency Range Number of Channels Sensitivity Frequency Accuracy Antenna Type Squelch	72.025 – 75.975 MHz / 216.0125 – 216.9875 MHz (57)17 wide band, 40 narrow band / (57)19 wide band, 38 narrow band .6uV typical, 1 uV maximum for 12 dB sinad ± .005% stability 32 to 122 ºF (0 to 50 ºC) Uses ear phone/neck loop lanyard and short ear phone cable or standard earphone cable Programmable in 20 steps, automatic on loss of RF signal
Power	Battery Type Battery Life Battery Charging Time Power Supply	Lithium Ion 8 Hours of typical use Fully charged in 2.5 Hours Micro USB connector, 5 V, 500 mA
Physical	Dimensions (H x W x D) Dimensions with Belt Clip Unit Weight Unit Weight with Batteries Shipping Weight Color	3.75 x 2.0 x 0.64 in. (9.6 x 5.0 x 1.7 cm) 3.75 x 2.0 x 0.80 in. (9.6 x 5.0 x 2.1 cm) 1.6 oz (45.4 g) 2.4 oz (68.1 g) 3.2 oz (90.8 g) with 16 oz (454 g) minimum Flat Black
Environmenta	Temperature – Operation Temperature – Storage Relative Humidity	14 to 104 ºF (-10 to 40 ºC) (-)4 to 122 °F (-20 to 50 °C) 0 to 95% relative humidity, non-condensing
Compliance	Standards	FCC Part 15, Industry Canada, RoHS

Safety Cautions!

- **Hearing Safety:**

  This product is designed to amplify audio to a high volume level which could potentially cause hearing damage if used improperly. To protect your hearing make sure the volume is turned down before putting on the ear speaker or headphones. Then adjust the volume up to the minimum setting required to hear clearly. Do not allow children or other unauthorized individuals to have access to this product without supervision.

  Medical Device Safety:

  Before using this Listen product with an implantable or other medical device, consult your physician or manufacturer of your implantable or other medical device. Always make sure you are using this product in accordance with the safety guidelines established by your physician or the implantable device manufacturer.
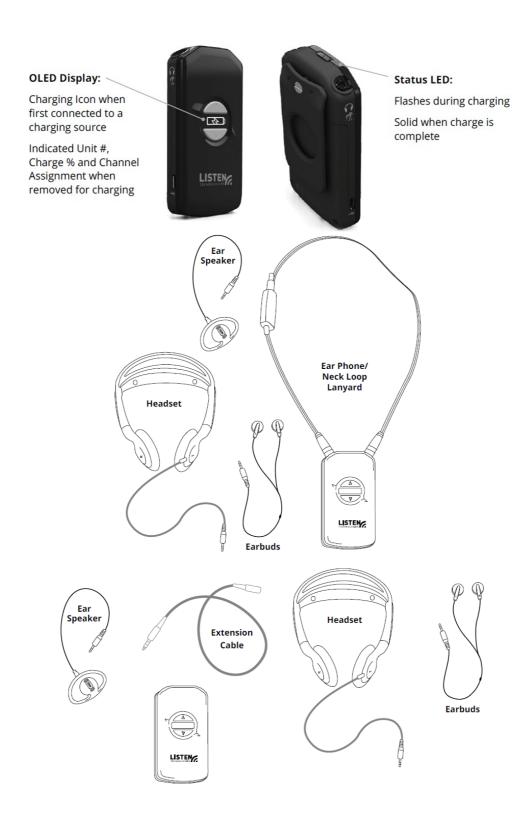
- **Recycling:**

  Help Listen Technologies protect the environment! Please take the time to dispose of your equipment properly.

1. ♻ **Product Recycling Instructions:**

Please do NOT dispose of your Listen Technologies equipment in the household trash. Please take the equipment to an electronics recycling center; OR, return the product to the factory for proper disposal.

2. 🗑 **Battery Recycling Instructions:**

Please do NOT dispose of batteries in the household trash. Please take the batteries to a retail or community collection point for recycling.

OLED Display:

Charging Icon when first connected to a charging source

Indicated Unit #, Charge % and Channel Assignment when removed for charging

Status LED:

Flashes during charging

Solid when charge is complete

Ear Speaker

Ear Phone/ Neck Loop Lanyard

Headset

Earbuds

Ear Speaker

Extension Cable

Headset

Earbuds

OLED Display:

Indicates Unit #, Charge % and Channel Assignment when power button is pressed

Power Button:

Press and hold for 1 second to turn on, press and hold for 3 seconds to turn off

#777

1. Channel Select Mode:

Press and hold the up and down button simultaneously for 5 seconds

3. Save/Exit:

Press power button to save and exit.

2. Scroll Up/Down:

Use the up or down button to scroll through available channels

CH 4

OLED:

Indicates the level in a % of maximum level

Volume Up/Down

Use the volume up or down to raise/ lower volume

50% 🔊

Status LED:

Begins to flash when receiver has less than an estimated 30 minute use left on the charge
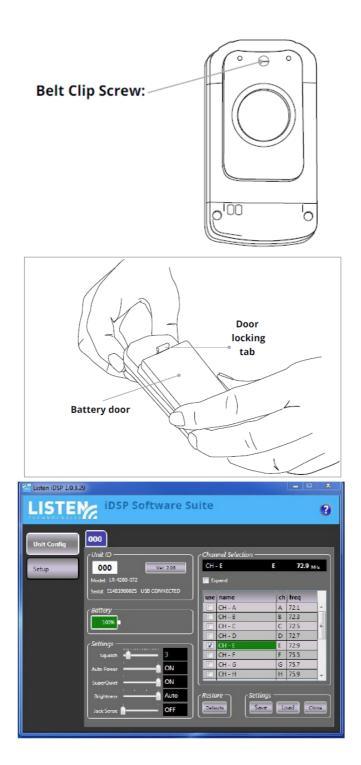
OLED Display:

Press the Power button to get the status of the battery charge life

OLED Indicates a % of charge

100%

Belt Clip Screw:

Door locking tab

Battery door

FREQUENTLY ASKED QUESTIONS

DOWNLOAD THE PDF LINK: Listen Technologies LR-4200-072 Intelligent DSP RF Receiver User Manual

Manuals+,