



**Configuration:**

LR-4200-216 Intelligent DSP RF Receiver (216 MHz)

**Product Overview:**

The LR-4200-216 receiver is one of Listen Technologies’ new generation of personal listening products, iDSP or Intelligent Digital Signal Processing.

With Listen’s unique DSP SQ™ noise reduction technology, users experience 20 dB less noise and hiss than any other listening device. Advanced green battery technology dramatically reduces costs of ownership and hassles while reducing the number of batteries in landfills. A field replaceable Lithium-ion battery is included with the unit. The integrated neck loop / lanyard with DSP loop driver, improves the listening experience for T-coil users. iDSP is the smallest device of its kind, making it easier to wear and easier for venues to dispense, store and maintain.

The LR-4200-216 has an OLED display to program channel names, monitor battery status, channel status, and charge activation. Connect the iDSP neck loop/lanyard or ear phones via two 3.5 mm output jacks (receivers can be shared). The Micro USB connection is used with free [iDSP software](#) for charging, set up, programming, inventory management and firmware updates.

The result is an exceptional listening experience in places where it’s difficult to hear, like: theaters, lecture halls, concert venues, houses of worship, and more.

**Highlights:**

- Advanced DSP SQ™ noise reduction technology delivers 20 dB less noise and hiss than any other listening device
- Integrated neck loop / lanyard with DSP loop driver improves the listening experience for T-coil users
- Smallest device of its kind makes it easier to wear and for venues to dispense, store and maintain
- Limited Lifetime Warranty with hassle-free support
- Can be worn around the neck, with the belt clip, or concealed in a pocket, making it the most discreet listening device on the market
- Advanced green battery technology dramatically reduces costs of ownership and hassles while reducing the number of batteries in the landfill
- Use for single channel applications

**Includes:** One (1) LR-4200-216 Intelligent DSP RF Receiver (216 MHz)\* \*The LR-4200-216 comes with a quick start guide and a non-proprietary field replaceable Lithium-ion battery.

Product Specification: Intelligent DSP RF Receiver (216 MHz)	
Audio	
System Distortion	< 2% total harmonic distortion (THD) at 80% deviation
Output/s	Two (2) 3.5 mm (0.14 in.) connectors, unbalanced, 0 dBu nominal output level, 16 mW maximum, impedance 32 ohm
System Frequency Response	50 Hz - 15 kHz (±3 dB)
System Signal to Noise Ratio	SQ enabled 70 dB, SQ disabled 50 dB

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<b>Controls</b>	
User Controls	Power, up/down volume
Programming	Via software and USB port
Set-up Controls	Press and hold up/down volume buttons for 5 seconds to enter channel adjust, use up/down to select channel
<b>Indicators</b>	
LEDs	White, illuminated when unit is on, flashes when batteries are low or to indicate charging, solid when fully charged
Display	Channel designation, battery level, unit number, charging status
<b>RF</b>	
Frequency Range	216.0125 - 216.9875 MHz
Number of Channels	19 wide band, 38 narrow band
Sensitivity	.6uV typical, 1 uV maximum for 12 dB sinad
Frequency Accuracy	± .005% stability 32 to 122 °F (0 to 50 °C)
Squelch	Programmable in 20 steps, automatic on loss of RF signal
Antenna Type	Uses ear phone/neck loop lanyard and short ear phone cable or standard earphone cable
<b>Power</b>	
Power Supply	Micro USB connector, 5 V, 500 mA
Battery Type	Lithium-ion
Battery Life	8 Hours of continuous use
Battery Charging Time	Fully charged in 2 Hours
<b>Physical</b>	
Color	Dark Grey
Unit Weight with Batteries	2.4 oz (68.1 g)
Shipping Weight	3.2 oz (90.8 g) with 16 oz (454 g) minimum
Dimensions (H x W x D)	3.75 x 2.0 x 0.64 in. (9.6 x 5.0 x 1.7 cm)
Unit Weight	1.6 oz (45.4 g)
Dimensions with Belt Clip	3.75 x 2.0 x 0.80 in. (9.6 x 5.0 x 2.1 cm)
<b>Environmental</b>	
Temperature - Operation	14 to 104 °F (-10 to 40 °C)
Temperature - Storage	(-)4 to 122 °F (-20 to 50 °C)
Relative Humidity	0 to 95% relative humidity, non-condensing
<b>Compliance</b>	
Standards	FCC Part 15, Part 90, Industry Canada, RoHS