



**Configuration:**

LR-5200-216 Advanced Intelligent DSP RF Receiver (216 MHz)

**Product Overview:**

The LR-5200-216 RF receiver from Listen Technologies is an outstanding choice for any venue that needs to provide assistive listening users with high-performance audio in a compact device. Featuring best-in-class pickup and reduced noise, the LR-5200-216 gives theaters, lecture halls, houses of worship, and other venues an affordable, simple solution when adding or expanding an assistive listening system.

The built-in rechargeable battery technology makes the LR-5200-216 an economical and environmentally friendly choice, reducing the costs of operation and ownership while offering extended use. Each unit features a micro-USB connection which, in addition to being used for quick and convenient battery charging, also allows for fast and simple with [free iDSP software](#) firmware updates, setup, and programming.

The integrated neck loop and lanyard with DSP loop driver makes the LR-5200-216 easy to wear and convenient for listeners with T-coil equipped hearing aids. Additionally, the OLED display built in to each receiver provides at-a-glance information including channel status, battery level, and more.

From classrooms to conferences, businesses to banquet halls, and more, the LR-5200-216 makes an outstanding choice for a comfortable, clear, and reliable personal listening receiver.

**Highlights:**

- High-performance, ultra-sensitive RF personal listening receiver offering the best reception and lowest noise in its class
- Compact design—the smallest of its kind—makes it easier to wear, dispense, store, and maintain
- Advanced rechargeable battery technology reduces costs and provides long-lasting charge for extended use
- Integrated neck loop and lanyard with DSP loop driver provides an ideal listening experience for users with T-coil-equipped hearing aids
- OLED display offers at-a-glance information including channel status, battery level, volume, and more
- Backed by Listen Technologies’ limited lifetime warranty and hassle-free support

**Includes:** One (1) LR-5200-216 Advanced Intelligent DSP RF Receiver (216 MHz)\* \*The LR-5200-216 comes with a quick start guide and a non-proprietary field replaceable Lithium-ion battery.

Product Specification: Advanced 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

Product Specification: Advanced Intelligent DSP RF Receiver (216 MHz)	
<b>Controls</b>	
User Controls	Power, up/down volume, Listen button for end user channel selection
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 - 216.9875MHz
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