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

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)

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Product Specification: Advanced Intelligent DSP RF Receiver (216 MHz)	
System Signal to Noise Ratio	SQ enabled 70 dB, SQ disabled 50 dB
Controls	
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
Indicators	
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
RF	
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 ºF (0 to 50 ºC)
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
Power	
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
Physical	
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)
Environmental	
Temperature - Operation	14 to 104 ºF (-10 to 40 ºC)
Temperature - Storage	(-)4 to 122 °F (-20 to 50 °C)
Relative Humidity	0 to 95% relative humidity, non-condensing
Compliance	
Standards	FCC Part 15, Part 90, Industry Canada, RoHS

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