Configuration:

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

Product Overview:

The LR-4200-216 receiver from Listen Technologies offers outstanding audio clarity and quality with the best range and reception available for the 216 MHz band.

The LR-4200-216 is the smallest device of its kind, resulting in a compact unit that won't burden the end user. Part of our Intelligent Digital Signal Processing (iDSP) line, is features an integrated neck loop/lanyard that is easy to wear, and the DSP loop driver offers an improved listening experience for anyone with a T-coil-equipped hearing aid. Dual 3.5mm output jacks also allow receivers to be shared between users.

Each receiver is also equipped with a micro USB connection, making it easy for venues to charge and update the units with free iDSP software via any standard USB port.

Extended speaking sessions, presentations and more can be challenging for other devices, but the LR-4200-216 incorporates advanced Lithium-ion rechargeable batteries that offer long life and reliable power. Charge status, along with channel information and volume level, are easy to read on the integrated OLED display.

From lecture halls to conferences, classrooms and more, the LR-4200-216 is an outstanding receiver choice for any venue looking to offer convenient, reliable assistive listening.

Highlights:

- High performance RF receiver offering best-in-class sensitivity and 20dB less noise than other devices
- Integrated neck loop/lanyard with DSP loop driver for an enhanced T-coil listening experience
- Smallest device of its kind makes it easier to wear and use and for venues to dispense, store and maintain
- OLED display showing channels, battery status, channel status, volume level, and more
- Lanyard and belt clip options offer convenient and discreet choices for the end user
- Advanced rechargeable battery technology eliminates the costs and hassles associated with frequent battery replacement
- Designed 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

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Product Specification: Intelligent DSP RF Receiver (216 MHz)	
System Frequency Response	50 Hz - 15 kHz (±3 dB)
System Signal to Noise Ratio	SQ enabled 70 dB, SQ disabled 50 dB
Controls	
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
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 - 216.9875 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 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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