Configuration:
LR-5200-IR Advanced Intelligent DSP IR Receiver

Product Overview:

Listen Technologies’ LR-5200-IR receiver—one of the receivers in the next-gen Intelligent Digital Signal Processing (iDSP) line—gives assistive listening users an option for high-performance audio in a compact device that offers best-in-class pickup and range. The LR-5200-IR also provides houses of worship, theaters, lecture halls, and other venues with an affordable and easy-to-manage solution when adding or expanding their assistive listening options.

The built-in rechargeable battery technology makes the LR-5200-IR an economical and environmentally friendly choice, reducing the costs of operation and ownership while offering a strong, reliable receiver. 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 firmware updates, setup, and programming.

The integrated neck loop and lanyard with DSP loop driver makes the LR-5200-IR easy to wear and simple to use 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 businesses to banquet halls, theaters, and more, the LR-5200-IR makes an outstanding choice for a comfortable, clear, and reliable personal listening receiver.

Highlights:

- High-performance, ultra-sensitive infrared personal listening receiver offering the best reception, sensitivity, and range 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-IR Advanced Intelligent DSP IR Receiver*  *The LR-5200-IR comes with a quick start guide and a non-proprietary field replaceable Lithium-ion battery.

<table>
<thead>
<tr>
<th>Product Specification: Advanced Intelligent DSP IR Receiver</th>
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<tbody>
<tr>
<td><strong>Audio</strong></td>
</tr>
<tr>
<td>System Distortion: &lt; 2% total harmonic distortion (THD) at 80% deviation</td>
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<tr>
<td>Audio Output Jacks: Two (2) 3.5 mm (0.14 in.) connectors, unbalanced, 0 dBu nominal output level, 16 mW maximum, impedance 32 ohm, accepts mono or stereo phone plug or LA-430 Intelligent Ear Phone/Neck Loop Lanyard</td>
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Listen Technologies Corporation All rights reserved 91407 - Created May 16, 2019
**Product Specification: Advanced Intelligent DSP IR Receiver**

<table>
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<tr>
<th><strong>System Frequency Response</strong></th>
<th>63 Hz - 15 kHz (±3 dB)</th>
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<tr>
<td><strong>System Signal to Noise Ratio</strong></td>
<td>&gt; 60 dB</td>
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### Controls

**User Controls**
Power on/off, volume up/down, Listen button for end user channel selection

**Programming**
Via software and USB port, Auto Seek, Jack Sense, Squelch, Auto Power, Auto Off, Stereo, Brightness, Channel Name, Channel button, Channel Lock

**Set-up Controls**
Press and hold up/down volume buttons for 5 seconds to enter channel adjust, use up/down to select channel

### Indicators

**Display**
OLED - Channel designation, battery level, unit number, charging status, volume status

**LED**
Flashes when batteries are low or to indicate charging, solid when fully charged

### RF

**Carrier Frequencies**
2.3 MHz, 2.8 MHz, 3.3 MHz, 3.8 MHz

**Number of Channels**
Four (4) selectable channels

**Frequency Accuracy**
± .005% stability 32 to 122 ºF (0 to 50 ºC)

**Modulation**
FM Wideband, ±50 kHz deviation max, 50 uS de-emphasis

### IR

**Coverage Area**
30,000 ft² (2787 m²) single channel with LT-84/LA-141 or 40,000 ft² (3716 m²) single channel with LT-82/LA-140

**Squelch**
Programmable in 20 steps, automatic on loss of IR signal

**Power Save Mode**
Turns unit off after a specified time of no IR signal, default is 30 minutes

**Sensitivity**
Better than one (1) nW/cm² @40 dB SNR

### Power

**Power Supply**
Micro USB connector, 5 V, 500 mA

**Battery Type**
Lithium Ion

**Battery Life**
8 Hours of typical use

**Battery Charging Time**
Fully charged in 2.5 Hours

### Physical

**Color**
Flat Black

**Unit Weight with Batteries**
2.8 oz. (79.4 g)

**Shipping Weight**
3.5 oz. (99.2 g) with a 1 lbs. (0.45 kg) 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**
1.9 oz. (53.9 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 ºF (-20 to 50 ºC)

**Relative Humidity**
0 to 95% relative humidity, non-condensing
<table>
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<th>Compliance</th>
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<tr>
<td>Standards</td>
<td>FCC Part 15, ICS-03, CE, RoHS, WEEE, ADA 706, CBC 11B-706</td>
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