

## Advanced Intelligent DSP IR Receiver Package 1



### Configuration:

LR-5200-IR-P1 Advanced Intelligent DSP IR Receiver Package 1

### Product Overview:

The LR-5200-IR-P1 makes it easy to order all the components you need for an exceptional listening experience. The package includes the LR-5200-IR iDSP receiver, integrated neck loop/lanyard, and universal ear speaker making it ideal for personal use in venues with existing IR assistive listening systems.

The LR-5200-IR receiver is one of Listen Technologies' new generation of personal listening products, iDSP or Intelligent Digital Signal Processing.

The LR-5200-IR is a high performance IR receiver with extreme sensitivity providing the best pickup and range of any device of its kind! iDSP is the smallest device of its kind, making it easy for end users to wear and operate and easier for the venues to dispense, store and maintain. The integrated neck loop/lanyard with DSP loop driver, improves the listening experience for T-coil users. The 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 LR-5200-IR has an OLED display which shows unique channel names, battery status, channel status, volume status and charge activation. Listen's programmable channel select button allows users to cycle through active channels, seek to or lock to a channel. 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 the free iDSP software suite for set up, programming, inventory management, firmware updates and charging via any standard USB port. The LR-5200-IR is compatible with all iDSP accessories.

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:

- Complete Intelligent DSP receiver package makes ordering and specifying intelligent receiver solutions easy
- High performance IR receiver with extreme sensitivity providing the best pickup and range of any device of its kind
- Ideal for personal use in venues with existing IR assistive listening systems
- Includes LR-5200-IR receiver, integrated neck loop/lanyard, and ear speaker
- 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 or with the belt clip, 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 multi-channel applications where the users need the convenience of changing the channels themselves

**Advanced Intelligent DSP IR Receiver Package 1****Includes:**

- One (1) LR-5200-IR Advanced Intelligent DSP IR Receiver
- One (1) LA-430 Intelligent Ear Phone/Neck Loop Lanyard
- One (1) LA-401 Intelligent Ear Speaker
- One (1) Quick Start Guide
- One (1) field replaceable Lithium-ion battery

**Architectural Specification:**

LR-5200-IR-P1 Advanced Intelligent DSP IR Receiver Package 1 shall include (1) LR-5200-IR Advanced Intelligent DSP IR Receiver, (1) LA-430 Intelligent Ear Phone/Neck Loop Lanyard and (1) LA-401 Intelligent Ear Speaker. The IR receiver shall be capable of receiving on four (4) wide band channels (carriers), Channel 1 (2.3 MHz), Channel 2 (2.8 MHz), Channel 3 (3.3 MHz) and Channel 4 (3.8 MHz). The device shall have a programmable multi-function Listen button that can be tuned for the venues desired channels and electronically lock out any unused channels. The receiver shall have the option of being lanyard or belt clip worn and the lanyard shall incorporate an integrated neck loop for compatibility with T-coil hearing aids. The receiver shall be intelligent and provide customized audio to either earphones or the integrated neck loop based upon which is connected. The receiver shall have two (2) 3.5 mm (TRRS) connectors to drive the integrated neck loop lanyard or up to two (2) mono or stereo earphones. The receiver shall incorporate a multi-functional display (OLED) that indicates battery status, inventory number, volume level and a customizable channel name. The receiver shall employ a unique iDSP™ noise reduction technology. The receiver shall be fully programmable via PC software. The receiver shall have a micro USB connector used for programming/setup, inventory control, charging and firmware upgrades. The receiver shall incorporate automatic battery charging circuitry and use a non-proprietary lithium ion battery. The receiver shall automatically turn on when removed from the charging device and automatically turn off when returned to the charging device. The receiver shall have additional charging contacts to allow for multiply charging options. The receiver shall have a signal-to-noise ratio of 60 dB or greater, THD less than 2% and shall have an audio frequency response of 63 Hz - 15 kHz ( $\pm 3$  dB). The receiver shall be capable of receiving a stereo signal on each of the four (4) carriers. The receiver shall be covered by a hassle free limited lifetime warranty. The Listen LR-5200-IR-P1 is specified.