

ListenIR iDSP Standard System**Configuration:**

LS-100-01-GY ListenIR iDSP Standard System - Grey (North America)
LS-100-01-WH ListenIR iDSP Standard System - White (North America)

Product Overview:

This pre-configured ListenIR iDSP Standard System includes everything needed for secure transmission of audio for assistive listening compliance in venues with a capacity of up to 100 seats.

Ideal for medium-to-large size corporate boardrooms, courtrooms, training rooms, classrooms, theaters, legislative chambers, centers for the performing arts, or convention centers.

The LS-100 system includes the LT-82 Stationary IR Transmitter, LA-140 Stationary IR Radiator, the new LR-4200-IR Intelligent DSP IR Receivers and a LA-381 Intelligent 12-Unit Charging Tray. This IR system is simple for the venue to dispense and use, cost effective, designed to blend in, and offers significantly more coverage than similar products, ensuring the entire room has coverage without gaps. The system offers coverage up to 40,000 ft² (3716 m²). Radiator is available in grey or white.

Highlights:

- Pre-configured ListenIR iDSP Standard System includes everything needed for secure transmission of audio for assistive listening compliance in venues with a capacity of up to 100 seats
- Outstanding coverage up to 40,000 ft² (3716 m²)
- Ideal for medium-to-large size corporate boardrooms, courtrooms, training rooms, classrooms, theaters, legislative chambers, centers for the performing arts, or convention centers.
- Easy to specify, install and use
- Outstanding performance ensures crystal clear sound for listeners
- Integrated neck loop/lanyard with DSP loop driver improves the listening experience for T-coil users
- Use for single channel applications

Includes:

One (1) LT-82-01 Stationary IR Transmitter
One (1) LA-326 Universal Rack Mounting Kit
One (1) LA-140 Stationary IR Radiator
Four (4) LR-4200-IR Intelligent DSP IR Receiver
Four (4) LA-430 Intelligent Ear Phone/Neck Loop Lanyard
Four (4) LA-401 Universal Ear Speaker
One (1) LA-304 Assistive Listening Notification Signage Kit
One (1) LA-422 USB to Micro USB Cable
One (1) LA-381-01 Intelligent 12-Unit Charging Tray

ListenIR iDSP Standard System

One (1) LA-382 Intelligent Cable Management Unit
One (1) LA-901 Listen Disinfecting Wipes (Cylinder 75 Count)
One (1) LA-904 Listen Dispensing Log Book

Architectural Specification:

Furnish and install an IR wireless assistive listening system for use by the hearing-impaired. The assistive listening system (ALS) shall be capable of broadcasting on four (4) mono or stereo carriers; 2.3, 2.8, 3.3 and 3.8 MHz. The system coverage area shall be up to 40,000 ft² (3716 m²) with single channel transmission. The system shall have a SNR of 60 dB or better and THD of less than 2%. The system shall have an audio frequency response of 63 Hz to 15 kHz, +/- 3db. The system shall have two (2) mixing audio inputs, one (1) balanced XLR/phone input and one (1) unbalanced stereo RCA input. The system shall have the following audio controls: input level, transmit level, contour level and stereo on/off control. The system shall have an audio processor that is capable of automatic gain control and limiting. The system radiator(s) shall be powered via CAT-5 cabling and the RF signal shall be provided via 50 ohm coaxial cables. The system shall provide delay compensation when radiator(s) are added for additional coverage.

The system receivers 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 receivers shall be tuned to a single channel and users shall not be able to change the channel. The receivers 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 receivers shall be intelligent and provide customized audio to either earphones or the integrated neck loop based upon which is connected. The receivers 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 receivers shall incorporate a multi-functional display (OLED) that indicates battery status, inventory number, volume level and a customizable channel name. The receivers shall employ a unique iDSP™ noise reduction technology. The receivers shall be fully programmable via PC software. The receivers shall have a micro USB connector used for programming/setup, inventory control, charging and firmware upgrades. The receivers shall incorporate automatic battery charging circuitry and use a non-proprietary lithium ion battery. The receivers shall automatically turn on when removed from the charging device and automatically turn off when returned to the charging device. The receivers shall have additional charging contacts to allow for multiple charging options. The receivers shall be covered by a hassle free limited lifetime warranty.

The Listen Technologies products are specified.

Furnish and install the following:

Listen Technologies LT-82-01 Stationary IR Transmitter (Qty: 1 ea.)
Listen Technologies LA-326 Universal Rack Mount Kit (Qty: 1 ea.)
Listen Technologies LA-140 Stationary IR Radiator (Qty: 1 ea.)
Listen Technologies LR-4200-IR Intelligent iDSP IR Receiver (Qty: 4 ea.)
Listen Technologies LA-430 Intelligent Ear phone/Neck Loop Lanyard (Qty: 4 ea.)
Listen Technologies LA-401 Universal Ear Speaker (Qty: 4 ea.)
Listen Technologies LA-422 USB to Micro USB Cable (Qty: 1 ea.)
Listen Technologies LA-381-01 Intelligent 12-Unit Charging Tray (Qty: 1 ea.)
Listen Technologies LA-382 Intelligent Cable Management Unit (Qty: 1 ea.)
Listen Technologies LA-901 Listen Disinfecting Wipes (Cylinder 75 CT) (Qty: 1 ea.)
Listen Technologies LA-904 Listen Dispensing Log Book (Qty: 1 ea.)
Listen Technologies LA-304 Assistive Listening Notification Signage Kit (Qty: 1 ea.)