



#### Configuration:

LWR-1050-W0-P1 (North America, European Union, United Kingdom, Australia, New Zealand)

#### Product Overview:

This comprehensive package features the LWR-1050 Wi-Fi Audio Receiver, an Ear Speaker, a Lanyard, and an Advanced Neck Loop for telecoil-equipped hearing aids, providing a complete assistive listening solution for venues. The state-of-the-art LWR-1050 receiver streams high-quality, low-latency audio in real-time from a ListenWIFI Audio Server via Wi-Fi, meeting essential disability and accessibility standards.

Designed for automation, the LWR-1050 adjusts to the appropriate audio channel based on its location through Listen Beacons, ensuring that guests receive the correct audio in various venue settings. This system is particularly beneficial for venues preferring to manage dedicated hearing assistance devices over supporting personal smartphones, offering a straightforward option with wired headphones or an inductive neck loop for T-Coil hearing aids.

Ideal for diverse environments like classrooms, places of worship, and theaters, the LWR-1050 enhances guest experiences by delivering clear and precise audio, making it an outstanding choice for assistive listening needs.

#### Highlights:

- Package includes Receiver, Ear Speaker, Lanyard, and Neck Loop
- Dedicated Wi-Fi Audio Receiver for assistive listening and language translation
- Meets ADA and worldwide disability compliance (DDA, IBC, CBC, etc.)
- Dedicated devices for venues where personal smartphones are not allowed
- Backup devices for venues who want to avoid the hassle of supporting personal smartphones
- Extremely easy for guests to use
- Automatically connects to proper channel based on location (with [LA-490](#) beacons)
- Superior audio performance & Industry-leading latency
- Great quality and reliability
- Compatible with standard earbuds & headphones (CTIA compliant)
- Compatible with hearing aid telecoils with optional Neck Loop (LA-438)
- Field Replaceable lithium-ion rechargeable batteries
- Easy setup, management, and tracking using ListenWIFI Manager for Windows®

#### Includes:

One (1) LWR-1050 Wi-Fi Audio Receiver One (1) LA-365 Rechargeable Li-ion Battery One (1) LA-164 Ear Speaker One (1) LA-445 Breakaway Lanyard One (1) LA-438 Advanced Neck Loop (Adult) One (1) Quick Start Guide

#### Product Specification: ListenWIFI Wi-Fi Audio Receiver (Package 1)

##### Physical

Dimensions (H x W x D) with Belt Clip	10 x 5.4 x 2.4 cm (3.93 x 2.13 W x 0.93 in.)
Unit Dimensions (H x W x D)	10 x 5.4 x 1.6 cm (3.93 x 2.13 W x 0.63 in.)

Product Specification: ListenWIFI Wi-Fi Audio Receiver (Package 1)	
Unit Weight	80 g (2.82 oz.)
Shipping Weight	105 g (3.7 oz.)
Enclosure material	PC plastic (IR transparent)
Display	31 x 16 mm (1.22 x .63 in) , 64 x 128 pixel OLED display
LED	Multi-colored, multi-function
Light Sensor	Visible light, automatically adjusts display brightness
Color	Black, Chrome Buttons
User Controls	Volume up/down, channel up/down, language selection, power, status
Headphone Connection	3.5mm (1/8") headphone jack, TRRS, CTIA compliant
USB Connection	USB-Micro for charging and programming
Dock Connection	4 contacts w/ magnetic latch for charging and programming via docking station
Belt Clip	Removable and Reversible
Battery Door	Removable for battery replacement
Audio	
Audio Output Method	3.5mm connection for wired headphones or inductive neck loops
Frequency Response (system)	20 Hz - 20 kHz $\pm$ 1dB (at nominal level)
Distortion (system)	< 1% Total Harmonic Distortion (at nominal level)
Signal to Noise Ratio (system)	> 74 dB (at nominal level)
Dynamic Range (system)	86 dB (at maximum level)
Latency (system)	40-60 ms, dependent on network, traffic, and QOS
Communications	
Wi-Fi Bands	802.11 a/b/g/n (2.4 and 5 GHz)
Wi-Fi Frequencies	2.4 GHz Channels: 1,2,3,4,5,6,7,8,9,10,11
	5 GHz Channels: 36,40,44,48,52,56,60,64,100,104,108,112,116,120*,124*,128*,132,136,149,153,157,161,165
	*Channels not available in North American variant (A0)
Bluetooth	5.0
USB	2.0
Audio	125 kbps for audio streaming
Security	TLS 1.2 (AES 128 bit)
Infrared (IR)	Protocol: SyncLink IR, 850nm
Controls	
User Controls	Power on/off, display on/off, channel selection, volume up/down, language selection
Setup/Programming	Via Manager Software and USB port on receiver Via Manager Software and USB port on Docking Station Directly in Docking Station using the clone operation
Channel Triggering	Automatic via SyncLink Infrared (IR) when in proximity to LA-490 beacons.
Indicators	

Product Specification: ListenWIFI Wi-Fi Audio Receiver (Package 1)	
Display	Channel playing, available channels, battery level with time remaining, Wi-Fi signal strength, volume status, charging status, language selection, profile name
LED	Blue flashing - receiver is turning on/booting up
	Red flashing - indicates receiver has not been configured or Wi-Fi is unavailable
	Green flashing - receiver is charging
	Green solid - receiver is fully charged
Power and Charging	
Power Supply	USB-Micro or Docking Station - 5V, 500mA
Battery Type	Lithium – ion, rechargeable, field replaceable
Battery Size	1200 mAh
Battery Life	7 hours of continuous audio streaming
Battery Charge Time	Fully charged in < 4 hours (dead battery)
Power Save Modes	Auto Off - powers down on loss of audio (adjustable OFF, 10, 20, or 30 min)
	Auto Power - powers down/up upon insertion/removal of charger (adjustable ON/OFF)
	Jack Sense - powers down/up upon insertion/removal of headphones (adjustable ON/OFF)
Environmental	
Temperature - Operation	-10 °C (14 °F) to +40 °C (104 °F)
Temperature - Storage	-20 °C (-4 °F) to +50 °C (122 °F)
Relative Humidity	0 to 95% relative humidity, non condensing
Compliance	
Regulatory Marks	FCC, CE, ROHS, UKCA
Warranty	
Receiver Warranty	2 years
	*Specifications are subject to change without notice.