

Configuration:

LW-200P-16-01 (North America, Plug B)

LW-200P-16-02 (United Kingdom, Plug G)

LW-200P-16-03 (European Union, Plug F)

LW-200P-16-04 (Australia, Plug I)

Product Overview:

The Listen EVERYWHERE LW-200P-16 is capable of broadcasting 16 channels of audio to audiences of up to 1000 users. Connect to your existing Wi-Fi network and stream low latency audio directly to guests' devices using the free mobile app, or by providing Wi-Fi Audio Receivers at your venue to meet ADA compliance. Cloud-based management allows for simple management of the server and listening devices, including supporting custom welcome message videos or logos, sliding banners, and more, all providing another point of contact with your clients and customers. Experience great quality audio and industry leading low latency audio at your venue with a 16 channel Wi-Fi Audio Server.

The LW-200P-16 is a great option for venues with many audio sources, multi-lingual applications, multi-screen and assistive listening environments, conference centers, sports bars, houses of worship, interpretation and hospitality.

Highlights:

- Balanced professional inputs (terminal block)
- Uses existing wireless network (Wi-Fi)
- Low latency (see demo video)
- ADA compliant (with receivers and neck loops)
- Stream audio to venue provided receivers and guest devices
- 16 channels per server (stackable)
- Up to 1000 users
- Great quality and reliability
- Simple to setup
- Low power consumption
- Heavy-duty chassis

Includes:

One (1) LW-200P-16 Listen EVERYWHERE 16 Channel Wi-Fi Audio Server w/Power Supply
One (1) Set of Rack Mount Brackets
One (1) 1.83M (6 ft.) CAT6 Cable

Product Specification: Listen EVERYWHERE 16 Channel Wi-Fi Audio Server	
Interconnections	
Balanced Audio Inputs	Terminal Blocks: 16 analog inputs, rear panel, one terminal block connector per input, balanced, +4 dBu (line) nominal input level, +16 dBu maximum input level, impedance 100k ohm
	*Each stereo channel requires the use of two inputs
Ethernet	RJ-45 supports 10/100/1000 Mbps speed. Green LED flashes at 100 Mbps, Yellow LED flashes at 1000 Mbps.
USB	Type A 2.0 (female)

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Power Supply	
Connector	DC Barrel Connector
Input Voltage	100-240 VAC, 50-60Hz
Output Voltage	5 VDC
Current	6.0 A
Power	30 W
Configurations	01= North American Plug B; 02= United Kingdom Plug G; 03= European Union Plug F; 04= Australia Plug I
Servers	
IP Address	DHCP, Static, Reserved
Prioritization	QoS/ToS
Users	1000 (per server)
Max Channels	16 mono (8 stereo) -Multiple servers may be used to increase the number of channels.
WAP Support	802.11n or better w/WMM enabled
Supported WAP Frequencies	2.4 GHz & 5 GHz
Bandwidth Use	125 kbps per user
Frequency Response	20Hz – 20kHz ±1dB
Dynamic Range	86 dB
Signal to Noise Ratio (SNR)	74 dB typical (at nominal input levels)
Bit depth	16 bits
Sampling Rate	48 kHz
Channel Security	AES-128-CBC
System Latency	40 - 80 mS (60 mS average). This can vary per network and mobile device.
Total Harmonic Distortion (THD)	<1%
App Support	iOS/Android
Cloud Service	Yes, cloud service is available for remote server maintenance/updates. Cloud service also supports customization of the Android and iOS mobile apps, such as app theme settings, welcome ads, sliding banners, channel logos, channel names, pdf documents, and offers.
Warranty	2 years
Physical	
Dimensions (H x W x D)	45mm x 483mm x 117mm (1.77in x 19.02in x 4.6in)
Weight	1.6 kg (3.5 lbs)
Shipping Weight	2.6 kg (5.8 lbs)
Rack Space	1RU
Environmental	
Temperature - Operation	-10 ºC (14 ºF) to +40 ºC (104 ºF)
Temperature - Storage	-20 ºC (-4 ºF) to +50 ºC (122 ºF)
Relative Humidity	0 to 95% relative humidity, non condensing

Product Specification: Listen EVERYWHERE 16 Channel Wi-Fi Audio Server	
Compliance	
Regulatory Standards	UL, FCC, CE, KCC, UKCA
Specifications subject to change without notice	