



Product Overview:

The LW-200P-04 is an excellent option for assistive listening in restaurants, sports bars, and venues where multiple audio sources are needed. Up to 1000 users access the audio via a free app on their smartphone or mobile device. The LW-200P-04 connects to your existing wireless network and uses a minimal amount of bandwidth. The Listen Everywhere cloud server interface makes updates and other service options simple and fast.

*Custom solutions available upon request to accommodate more channels/users, email sales@listentech.com for information.

Highlights:

- Up to 1000 Users
- 4 Channels
- Low Latency
- Uses Existing Wireless Network

Includes:

One (1) LW-200P-04 Listen Everywhere 4 Channel Server w/Power Supply

Product Specification: Listen EVERYWHERE 4 Channel Server	
Interconnections	
Audio Inputs	Terminal Block: Two 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
Audio Inputs	*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.
Power Supply	
Connector	DC Barrel Connector
Input Voltage	100-240 VAC, 50-60Hz
Output Voltage	5 VDC
Current	6.0 A
Power	30 W
Countries	North American, UK, EU, AUS
Servers	
IP Address	DHCP, Static, Reserved
Prioritization	QoS/ToS
Users	1000 (per server)

Product Specification: Listen EVERYWHERE 4 Channel Server	
Max Channels	4 mono (2 stereo)
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 \pm 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-256-CBC, 256 bit advanced encryption
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
Regulatory	UL, FCC, CE, KCC, RoHS
Warranty	2 years
Multiple servers may be used to increase the number of channels.	
Physical	
Dimensions (H x W x D)	45mm x 483mm x 117mm (1.77in x 19.02in x 4.6in)
Weight	2.2 kg (4.85 lbs)
Rack Space	1RU
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
Listen Everywhere servers are cloud managed with customizable in-app functions which support welcome messages, videos, sliding banners, PDF documents, offers and supports portable smart iOS and Android devices.	

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