



Product Overview:

The Listen Everywhere LW-100P-02 is an affordable and reliable way to deliver audio to audiences of up to 1000 users. Connect to your existing Wi-Fi network service and stream directly to users through the free mobile app. Cloud-based management allows for simple management of the system, including updates and customization options. Additionally, in-app features support custom welcome messages, videos, banners, and more, all providing another point of contact with your clients and customers.

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

Highlights:

- Up to 1000 users per server (stackable)
- 2 channels per server (stackable)
- Low Latency ([see demo video](#))
- Uses Existing Wireless network
- Consumer and Professional inputs
- Low power consumption
- Heavy-Duty Chassis

Includes:

One (1) LW-100P-02 Listen Everywhere 2 Channel Server w/Power Supply
One (1) 1.83M (6 ft.) RCA Cable
One (1) 1.83M (6 ft.) CAT6 Cable

Product Specification: Listen EVERYWHERE 2 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	RCA: Two analog inputs, rear panel, one dual summing RCA connector per input, unbalanced, -10 dBu (line) nominal input level, +2 dBu maximum input level, impedance 100k ohm
Audio Inputs	*Stereo operation requires the use of both 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)
Power Supply	
Connector	5 VDC Barrel
Input Voltage	100-240 VAC, 50-60Hz
Output Voltage	5 VDC
Current	6.0 A

Product Specification: Listen EVERYWHERE 2 Channel Server	
Power	30 W
Countries	North American, UK, EU, AUS
Servers	
IP Address	DHCP, Static, Reserved
Prioritization	QoS/ToS
Users	1000 (per server)
Max Channels	2 mono (1 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, 128 bit encryption key
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 170mm x 117m (1.77in x 6.69in x 4.6in)
Weight	.59 kg (1.3 lbs)
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.	