

WLL-TR-1p | Wireless Speaker System

Preliminary Technical Information for System Engineers



WLL-TX1 (TRANSMITTER)

System Type	Uncompressed stereo audio wireless transmitter
RF Band	2.4 GHz
Operating Range (full power) ¹	150 ft indoors / 210 ft line of sight
Operating Range (low power) ¹	50 ft indoors / 70 ft line of sight
Audio Frequency Response	20 Hz - 20 kHz
Modulation	Digital
Dynamic Range	90 dB
Power Supply/Requirements	5V, 1.2 A
Height	1.75 in
Width	6.1875 in
Depth	6.5 in
Housing material	Powder coated metal
Weight	1.85 lbs
Regulatory - CE	CE, UL, FCC, CCC
RoHS	Approved



WLL-RX1P (RECEIVER)

System Type	Uncompressed stereo audio wireless receiver
RF Band	2.4 GHz
Operating Range Full power	150 ft indoors / 210 ft line of sight
Operating Range Low Power	50 ft indoors / 70 ft line of sight
Audio Frequency Response	20 Hz - 20 kHz
Amplifier output power	50w/ch @ 8 ohms 65w/ch@ 4ohms, Bridged mono 90W @ 4 ohms
Modulation	Digital
Dynamic Range	90dB
Power Requirements	32V, 3.75A
Height	1.75 in
Width	6.1875 in
Depth	6.5 in
Housing material	Powder coated metal
Weight	1.85 lbs
Regulatory - CE	CE UL FCC CCC ec
RoHS	Approved

Preliminary Technical Information

- 3 RF channels to minimize interference from other devices
- Uncompressed stereo audio for maximum fidelity
- Multiple receiver/amplifier units may be used with a single transmitter
- USB, stereo mini or 1/4" balanced input connections at the transmitter
- Phoenix or 1/4" connections speaker level outputs at the receiver. Also includes stereo line output for connecting auxiliary audio components, such as APD adapters.
- Local Audio source at the receiver via stereo mini (mutes the wireless signal when connected)
- High/Low power selector switch on transmitter limits RF range where needed

Description

The WLL-TR-1p wireless transmitter/receiver system is composed of two units, one WLL-TX1 transmitter and one WLL-RX1p receiver. Additional receivers may be ordered to accompany a single transmitter.

Applications

Designed to work with all SoundTube speakers (as well as other brands), the WLL-TR-1p system enables the placement of speaker in locations where running speaker wire may be difficult or impossible. Utilizing uncompressed streaming digital audio over 2.4 GHz and requiring only AC power for operation, the SoundTube wireless system provides two 50W channels of audio.

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All SoundTube products come with a 5-year limited warranty.

¹ Actual working range depends on RF signal absorption, reflection and interference