

IAV LIGHTSPEAKER SYSTEM/LS5.2.2

The wireless LightSpeaker[®] System is intended to install into any home easily and without any expensive and complicated wiring. You can install a typical system in your home in a few minutes and not have to worry about repairing walls or ceilings. Plus there is no climbing into attics or wriggling into crawl spaces! LightSpeakers[®] deliver great sound into any room in your house, using your existing wiring and your recessed lighting fixtures.

LightSpeaker[®] installs in a standard 5" or 6" recessed ceiling light fixture common in most homes. It will replace a standard light bulb (R-30 or R-40). The unique patented LightSpeaker[®] has full bandwidth audio and "green" lighting together in one small package. Part of what makes this possible is the use of a 10W LED to provide the equivalent light of a 60W incandescent bulb while using 80% less power than the light bulb it replaced.

Consider also that you may never have to replace this light; an operating life of 25,000 to 40,000 hours means that with average use this light should easily last 15 to 25 years.



LED Light:

- 10W super bright LED provides a sharp crisp light that is easy on the eyes.
- LED outputs the light suitable to replace up to a 60W incandescent bulb
- Long Lasting LED is rated for over 25,000 to 40,000 hours of use [15 to 20 years average use]
- LED Light is fully dimmable and is controlled from either the remote or the light button on the transmitter
- 480 lumens 3000°K

Wireless Transmitter:

- Receives a 2.4GHz wireless stereo signal broadcast from the Transmitter and depending on the zone assigned to the speaker and the left or right audio channel selected, the receiver sends the correct signal to each LightSpeakers[®] on-board digital amplifier.

Digital Amplifier & Switch Mode Power Supply:

- The E26 standard Edison Screw allows the unit to attach to any standard light fixture socket.
- The high efficiency switch mode power supply delivers power to the LED and the digital amplifier without generating a lot of heat.
- 20W high performance low distortion digital amplifier provides energy efficient sound
- The on-board Digital Signal Processing delivers customized audio to each LightSpeaker[®] giving big speaker sound in a small speaker.

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Loud Speaker:

- 3.1" high performance custom engineered woofer with Micro Cellulose Polymer treated cone material provides even coverage and smooth natural sounding audio reproduction
- Integrated high frequency disperser.

Transmitter:

- 2 sets of RCA or 3.5mm stereo jack line level audio inputs allows 2 separate sources to be used
- Wireless simultaneous transmission to two separate zones of loudspeakers
- Controls LED light in each zone independently
- Controls Audio level and source in each zone independently
- Simple front panel controls allow easy adjustment of the speakers' sound
- Wireless transmitter can send audio to loudspeakers 50' to 100' in any direction

Accessories:

- Optional flange allows LightSpeaker® to fit into either 5" [R30] or 6" [R40] recessed lighting fixtures.
- Frosted Lens is acoustically transparent.
- RF remote allows control of sound 50' to 100' away from transmitter depending on the environment
- RF Remote allows selection of zone and source which allows you to adjust audio in each zone
- DC power supply for transmitter

5" LightSpeaker® Specifications:

- Woofer 3.1" Micro Cellulose
- Light Brightness 10W LED
- Wireless Reception 2.4GHz proprietary signal
- Frequency Response [+/- 3dB] 90Hz - 20kHz
- Amplifier Power 20W
- Max SPL 93dB SPL

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Dimensions:

- LightSpeaker® depth [w/out Edison Screw] 5.3" [135.3mm]
- LightSpeaker® diameter [without Flange] 5.1" [130.0mm]
- LightSpeaker® diameter [with Flange] 7.2" [182.8mm]
- Depth without Socket - no lens 5.5" [140.0mm]
- Depth with Socket - no lens 6.6" [167.2mm]
- Depth without Socket with lens 6.1" [153.8mm]
- Depth with Socket with lens 7.1" [181.0mm]
- OD of 6" Flange 7.6" [192.0mm]
- OD of 5" Flange 6.7" [171.2mm]
- Weight 2.51lbs. [1.14kg]

Transmitter & Remote Specifications:

- Transmitter Sources 2
- Discrete Transmitter Zones 2
- Audio Transmission Frequency 2.4GHz proprietary
- RF Remote Transmission Frequency 908MHz
- Audio Transmitter range [Omni-directional] 50' to 100' depending on environment
- RF Remote range [Omni-directional] 50' to 100' depending on environment
- AC Power 90 VAC to 240 VAC

Dimensions:

- Transmitter 5.9"[151mm]W x 7"[177mm]L x 2.4"[60mm]H
- Remote: 2"[52mm]W x 5.1"[130mm]L x 1.2"[30mm]H