



WS524

Quick fit 2-way 5 1/4" square in-wall speaker

Highlights:

- FastCon™ connections
- Aluminum grill
- QuickFix installation system
- Multi-tapping 100V line transformer
- 5 1/4" woofer with 1" coaxially mounted tweeter

The WS series loudspeakers are high-quality in-wall/ceiling loudspeakers, delivering exceptional sound quality and value for a wide variation of applications, ranging from paging and announcements to background music systems in a wide range of business applications, including hotels, restaurants and pubs, corporate offices, retail stores, etc. The WS524 in-wall/ceiling loudspeaker features a 5 1/4" driver with a coaxially mounted 1" tweeter, having a continuous power handling of 30 Watt and a maximum power handling of 60 Watt. The 2-way construction makes the WS524 the perfect match for a wide variation highly demanding of applications, guaranteeing a high-quality and true-to-nature reproduction of music and speech. The moisture proof treatment on the speakers' cone and aluminum front grill protects it for installation in humid or outdoor environments. A multi-tapping line transformer fitted with Fast-con™ allows fast and smooth connections to 100 Volt public address or low impedance systems. The mounting of the loudspeaker into the wall or ceiling is achieved with a Quick-fix mechanism, offering a great installers convenience and lifetime stability. The construction of the speakers' housing is made out of high-quality ABS, while the front is covered by a solid powder-coated aluminum grille. Custom painting is possible for a total blending into any environment.

Applications:

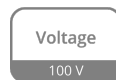
- Bars, restaurants
- Retail
- Hotels
- Public facilities
- Corporate spaces



Impedance:



Voltage:



System specifications:

| | | |
|----------------------------|-------------------|-----------------------|
| Speaker type | | 2-way coaxial |
| Max. Power | | 60 W |
| RMS Power | | 30 W |
| Impedance | | 8 Ω (WS524/W) |
| | | 16 Ω (WS524D/W) |
| Line Transformer Tappings | 1 | 24 W / 417 Ω |
| | | 12 W / 833 Ω |
| | | 6 W / 1667 Ω |
| Sensitivity (1W/1m) | | 92 dB |
| Sound Pressure (Max. W/1m) | | 107 dB |
| Frequency | Response (± 3 dB) | 60 Hz - 20 kHz |
| | Range (-10 dB) | 50 Hz - 20 kHz |
| Crossover | Type | Passive built-in |
| Dispersion | Horizontal | 100° |
| | Vertical | 100° |
| Connectors | | Fast-con™ connections |
| Drivers | LF | 5 1/4" Woofer |
| | MF | 5 1/4" Woofer |
| | HF | 1" Dome tweeter |

Product Features:

| | | |
|---------------------|----------|---|
| Dimensions | | 180 x 180 x 90 mm (W x H x D) |
| Weight | | 1.190 kg (WS524/W) |
| | | 0.950 kg (WS524D/W) |
| Construction | | ABS |
| Front finish | | Aluminium grill |
| Cut-out measurement | | 145 x 145 mm |
| Built-in depth | | 85 mm |
| Mounting & handling | | Quick-fit installation system (4-screw) |
| Colours | | White (RAL9010) |
| Accessories | Included | Foam inlay |

Variants:

- WS524/W - White version (RAL9010) 8 Ohm/100V
- WS524D/W - 16 Ohm version RAL9010

Shipping & Ordering:

| | |
|--------------------------|---------------------------------|
| Packaging | Cardboard box |
| Shipping weight & volume | 1.500 kg - 0.006 Cbm (WS524/W) |
| | 1.260 kg - 0.006 Cbm (WS524D/W) |

Architects' and Engineers' Specifications:

The in-wall / ceiling mount loudspeaker shall be a 2-way coaxial type equipped with a 5 ¼" low frequency driver and a 1" tweeter and fitted with a line transformer allowing it to be used on both low impedance (8 Ohm) and 100 Volt distributed lines. It shall have an RMS power handling of 30 Watt with a maximum power handling of 60 Watt and the frequency response (±3 dB) shall range from 60 Hz to 20 kHz. The sensitivity shall be 92 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 107 dB. The nominal dispersion shall be a 135° conical coverage pattern at -6dB (average 100 Hz - 10 kHz).

The loudspeaker shall be switchable between 8 Ohm and constant voltage operation, and shall be fitted with a multi-tapping line transformer with tapings for 24 Watt, 12 Watt and 6 Watt including an 8 Ohm bypass. Fast and smooth connection of the system shall be possible using a Fast-con™ multi-tapping connector.

The speakers frame shall be constructed in high quality ABS material in a white (RAL9010) colour and is fitted with a removable aluminium grill allowing custom painting to make it blend-in with any environment. Mounting of the speaker into the ceiling shall be possible using a 4-screw Quick-fix installation system.

The speaker shall have dimensions 180 x 180 mm, a depth of 90 mm and the weight shall not exceed 1.19 kg. The speaker shall fit in a mounting hole with a cutout dimensions of 145 x 145 mm and a build-in depth of 85 mm.