



# WS524

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

### Highlights:

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

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:

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



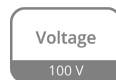
### Impedance:

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### Voltage:

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## System specifications:

Speaker type		2-way coaxial
Max. Power		60 W
RMS Power		30 W
Impedance		8 $\Omega$ (WS524/W) 16 $\Omega$ (WS524D/W)
Line Transformer Tappings	1	24 W / 417 $\Omega$ 12 W / 833 $\Omega$ 6 W / 1667 $\Omega$
Sensitivity (1W/1m)		92 dB
Sound Pressure (Max. W/1m)		107 dB
Frequency	Response ( $\pm$ 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		QuickFit™ installation system (4-screw)
Colours		White (RAL9010)
Accessories	Included	Foam inlay Cut-out template

## Variants:

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- WS524/W - White version (RAL9010) - 8Ω and 100V
- WS524D/W - White version (RAL9010) - 16Ω
- WS524/D - 16Ω version

## Shipping & Ordering:

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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:

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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 tappings 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.