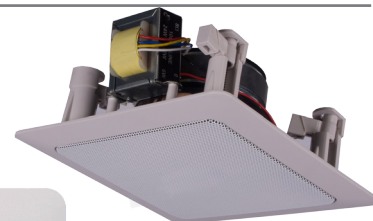




# WS524

2-way 5 ¼" in-wall/ceiling speaker



## ► Features

- High-quality in-wall/ceiling loudspeaker
- 5 ¼" 2-way driver
- Fast-con™ connections
- 100V multitap transformer & 8 Ohm bypass
- Moisture proof cone treatment
- Aluminium front grill
- Wide 100° conical coverage
- Quick-fit installation system
- Paintable to blend-in

## ► Applications

- Hotels
- Restaurants & pubs
- Corporate offices
- Retail stores & warehouses
- Public buildings
- Airports & train stations
- ...



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 ¼" 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 aluminium 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 aluminium grille. Custom painting is possible for a total blending into any environment.

## ► Specifications

SYSTEM SPECIFICATIONS	
Speaker type	2-way coaxial
Max. power	60 Watt
RMS power	30 Watt
Impedance	8 Ohm <i>16 Ohm version also available (WS524D)</i>
Line transformer power taps	24 Watt / 417 Ohm 12 Watt / 833 Ohm 6 Watt / 1667 Ohm
Sensitivity (1W/1m)	92 dB
Sound pressure (Max W/1m)	107 dB
Frequency response (± 3 dB)	60 Hz - 20 kHz
Frequency range (-10 dB)	50 Hz - 20 kHz
Cross-over type	Passive built-in
Conical dispersion (1)	135°
PRODUCT FEATURES	
Dimensions (Diameter x Depth)	180 x 180 x 90 mm
Weight net	1.19 Kg
Connection	Multi-tap Fast-con™ connections
Drivers	5 ¼" MF/LF woofer 1" HF tweeter
Construction	High quality ABS housing
Grill type	Finely perforated aluminium grill
Cut-out measurement	145 x 145 mm
Built-in depth	85 mm
Mounting & handling	Quick-fit installation system (4-screw)
Available colours	WS524      White (NCS S1000-N) WS524/W    White (RAL9010)
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	1.5 Kg - 0.006 Cbm
Accessories included	Foam inlay Cut-out template
<small>(1) Half space (flush mounted in ceiling), average 100 Hz to 10 kHz at -6 dB</small>	
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continuously improve our products.	

## ► 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 ( $\pm 3$  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.