



# CS660

2-way 6.5" in-ceiling speaker



## ► Features

- High-quality 2-way ceiling speaker
- 100V Line transformer with power taps for 60W, 30W and 15W
- 8 Ohm Low impedance tap
- High power, wide frequency response and low distortion
- Metal back dome
- True-to-nature sound reproduction
- Quick and simple mounting

## ► Applications

- Public buildings
- Business offices
- Restaurants
- Warehouses
- Shops
- Hotels

The CS660 is a high-quality 2-way ceiling speaker, consisting of a 6.5" woofer and a coaxially mounted 1" tweeter. The high-quality components in combination with the ported enclosure with metal back dome provide premium performance for background music as well as paging systems, no matter what kind of ceiling or surface the speaker is mounted to.

The power of 60 Watt, wide frequency response and low distortion makes the speaker perfectly suited for applications requiring a higher fidelity of music such as restaurants, retail stores, professional offices, and many other applications.

The integrated 100 Volt line transformer makes the speaker suitable for use in large 100 Volt public address systems. The power can be selected in three steps of impedance for 100 Volt applications and an 8 Ohm tapping for low impedance applications using the rotary switch behind the front grill.

Connection of the speaker can be done using the 4-pin terminal block connector located in a terminal box with strain relief at the rear side of the back dome, allowing parallel linkthrough to other speakers. Installing the speaker can be accomplished in seconds, without requiring access above the ceiling, using the simple quick-fixing mechanism.

The grill of the speaker can be painted in any colour, to blend in with the loudspeakers environment.

## ► Specifications

SYSTEM SPECIFICATIONS	
Speaker type	2-way coaxial
Max. power	120 Watt
RMS power	60 Watt
Impedance	8 Ohm
Line transformer power taps	60 Watt / 167 Ohm 30 Watt / 333 Ohm 15 Watt / 667 Ohm
Sensitivity (1W/1m)	87 dB
Sound pressure (Max W/1m)	105 dB
Frequency response ( $\pm 3$ dB)	65 Hz - 20 kHz
Frequency range (-10 dB)	50 Hz - 20 kHz
Cross-over type	Passive built-in
Conical dispersion (1)	130°
PRODUCT FEATURES	
Dimensions (Diameter x Depth)	Ø 250 x 210 mm
Weight net	3.1 Kg
Connection	4-pin terminal block
Drivers	6.5" MF/LF woofer 1" Tweeter
Construction	High quality ABS housing with metal back dome
Grill type	Finely perforated steel grill
Cut-out measurement	Ø 225 mm
Built-in depth	190 mm
Mounting & handling	Quick-fit installation system (3-screw)
Available colours	White (RAL9010)
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	4.1 Kg - 0.030 Cbm
Accessories included	Foam inlay Cut-out template

(1) Half space (flush mounted in ceiling), average 100 Hz to 10 kHz at -6 dB

\*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 ceiling mount loudspeaker shall be a 2-way coaxial type equipped with a 6.5" low frequency driver and a 1" tweeter installed in a ported enclosure 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 60 Watt with a maximum power handling of 120 Watt and the frequency response ( $\pm 3$  dB) shall range from 65 Hz to 20 kHz. The sensitivity shall be 87 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 105 dB. The nominal dispersion shall be a 130° 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 60 Watt, 30 Watt and 15 Watt including an 8 Ohm bypass. Selection of the power taps shall be done using a rotary switch located behind the front grill.

The speakers frame shall be constructed in high quality ABS material which comes available in white (RAL9010) colour and is fitted with a removable steel grill allowing custom painting to make it blend-in with any environment. The rear side of the speaker shall be covered with a steel constructed backcan including a terminal box with strain relief. A 4-pin terminal block connector allows connection and link-and parallel linkthrough to other speakers. Mounting of the speaker into the ceiling shall be done using a 3-screw Quick-fix installation system.

The speaker shall have a diameter of 250 mm, a depth of 210 mm and the weight shall not exceed 3.1 kg. The speaker shall fit in a mounting hole with a cutout diameter of 225 mm and a build-in depth of 190 mm.

## ► Technical drawing

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