

**Ceiling Speaker  
CS55**

**AUDAC**

PROFESSIONAL AUDIO EQUIPMENT

---

Built-in Ceiling or Wall Speaker CS55

# User Manual & Installation Guide

AUDAC PROFESSIONAL AUDIO EQUIPMENT

# User Manual & Installation Guide

---

© AUDAC  
<http://www.audac.eu>  
[info@audac.eu](mailto:info@audac.eu)

Before connecting or installing this product, first read these instructions carefully

## Warning

- Use only the correct amplifier output voltage and impedance, exceeding these limits could cause fire or other failures.
- Avoid explosions: do not use the speaker around gasoline, thinner or other combustibles.
- Only install the speaker in locations that can structurally support the weight of the speaker. Not doing this may result in the speaker falling down.
- Do not use any other method than specified to mount the speaker. If extreme force is applied to the speaker, it could fall down.
- Attach a safety wire to the speaker when it is mounted high above the ground. Failure in doing so could cause the speaker to fall down for any reason.
- Avoid mounting the speaker in locations exposed to constant vibrations. The mounting points can be damaged by excessive vibration, potentially causing the speaker to fall down.

## Caution

- Avoid electric shocks: switch off the amplifier power when connecting the speaker.
- Avoid installing the speaker in locations exposed to solvents, acids, smoke and heaters, as excessive exposure to these factors could result in speaker failure, fire or electric shock.
- Do not operate the speaker for an extended period of time at distorted sound. This could cause (irreparable) damage to the speaker.
- Do not stand or sit on, nor hang down from the speaker, as this may cause failure of the speaker.

## Installation

- Make a hole with a diameter of 165mm. This is very easy when you use the carton that is inside of the box.
- Take the grille from the speaker and put the speaker in the hole.
- Tighten the screws of the speaker so that the speaker will be clasped on the ceiling or wall.
- Inside of the box, you can find gums. Put these gums on the sides of the grille. Then put the grille on the speaker. The gums on the sides of the grille will prevent the grille from falling down.

## Connections

### Impedance

- Plug the speaker cable into the socket at the back of the speaker. Make sure to match the impedance. Always plug one cable into the common socket and the other cable into the socket of the desired power tapping.

### Cable

- Be sure that you use the following polarities for your speaker cable, when using several speakers in the same location:

Red : Negative or common

Black : Positive

- The total rated input of all connected speakers may not exceed the amplifiers output.

## Specifications

Nominal Power	10 Watt
SPL (1W/1m)	93 dB
SPL (20W/1m)	100.8 dB
Impedance	8 Ohm
Line transformer impedance	1600 Ohm/6W 3300 Ohm/3W 6600 Ohm/1,5W
Frequency Response -3dB	Fo - 14kHz
Frequency Response -10 dB	Fo - 16kHz
Dimensions (Diameter x Depth)	205x70 mm
Cut-out Diameter	165 mm
Weight	0,70 Kg
Mounting	4 Screws with clamp
Color	White RAL9010