

**Ceiling Speaker  
AWP06**

**AUDAC**

PROFESSIONAL AUDIO EQUIPMENT

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In-wall Ceiling Speaker AWP06



User Manual & Installation Guide

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# **User Manual & Installation Guide**

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## Introduction

With the AWP06 is you have purchased a state-of-the-art ceiling speaker. The speaker was specially designed to provide high-quality sound in a variety of in- and outdoor applications and damp locations. Its wide, smooth frequency response and high efficiency ensure high-fidelity music reproduction and intelligible speech at very low distortion. The housing is made of strong, white ABS material and is waterproof. The AWP06 can be used in a 100V PA system with tapping for 6 W or 3 W or in low impedance systems 8 Ohm/6 W. The AWP06 ceiling speaker meets the IP65 standards.

## 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 140 mm. This is very easy when you use the carton that is inside of the box.
- Install the unit only in a ceiling made of strong material so that the mounting springs don't damage the ceiling. For weak ceiling panels, you can use a wooden plank to the ceiling in which you can make the mounting hole.

## Connections

### 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 amplifier's output.

## Additional information

### Technical Specifications

RMS Power	6 W
Max Power	10 W
Impedance	8 Ohm
Line transformer power tapings	6 W / 1666 Ohm 3 W / 3333 Ohm 1,5 W / 6666 Ohm
Sound pressure 1W / 1m	87 dB
Sound pressure max W / 1m	95 dB
Frequency response -3 dB	100 Hz – 15 kHz
IP Rating	65
Driver	4"
Dimensions ( H x Diam.)	130 x 140 mm
Built-in depth	130 x 140 mm
Cut-out measurement	125 mm
Weight	0,95 Kg
Colour	White