

Sound projector
SP20HA

AUDAC

PROFESSIONAL AUDIO EQUIPMENT

Sound Projector SP20HA



User Manual & Installation Guide

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Introduction

With the standard sound projector you have acquired a humidity proof unidirectional sound projector with high efficiency. The SP20 is suitable for speech and music thanks to its high-quality and powerful sound reproduction.

The enclosure is made of white ABS with a metal grille, including a metal bracket for easy wall mounting. The SP20 features a 4" full range speaker with a built-in 100V line transformer, with tapping for 10 W, 5 W, 2,5 W or 1,25 W.

Warning

- Only use 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 and the mounting bracket. Not doing this may result in the speaker falling down.
- Do not use any other method than specified to mount the bracket. 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 (safety wire not included).
- Avoid mounting the speaker in locations exposed to constant vibrations. The mounting bracket 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 it, nor hang down from the speaker as this may cause it to fall down or drop.

Installation

- Install the speaker in an appropriate location with the mounting bracket. Tighten them with nuts and bolts.
- To adjust the directivity of the speaker, you loosen two bolts at the sides of it and then position it. Afterwards tighten the bolts firmly.

Connections

- Be sure to use the following polarities when using several speakers in the same location.
- The total rated input of all connected speakers may not exceed the amplifiers output.

Blue	Common
Red	10W
Yellow	5W
Green	25W
White	125W

Technical specifications

Projector way	Unidirectional
Rated Power	10 W
Transformer tapings 100 volt line	10/5/2,5/1,25 W
Transformer impedance	1k/2k/4k/8k
Impedance driver	8 Ohm
Effective frequency range	130 - 15.000 Hz
SPL,@1m,1watt	92 dB
SPL,@full power/1m	104 dB
Dispersion at 1.000 Hz	180°
Directivity Q factor 1kHz	2.60
Dimensions	138 x 204 mm
Weight net	1.90 Kg
Mounting	75 cm connection cable
Colour	White
Material	Plastic & stainless steel hardware