

Sound Projector
SP20

AUDAC

PROFESSIONAL AUDIO EQUIPMENT

Sound Projector SP20

Installation Guide

Introduction

The AUDAC SP20 is an unidirectional and humidity proof sound projector with a high efficiency. It is suitable for speech and music and ensures a powerful and high quality sound reproduction.

It features a 5" full range speaker and a built-in 100 Volt line transformer with four different power taps, to be used in large 100V PA applications.

The enclosure is made of white weatherproof ABS with a aluminum front grill and a special weatherproof coating.

The mounting of the speaker should be done by means of the stainless steel mounting bracket, and a 75 cm cable is provided for connecting the loudspeaker.

Installation procedure

- 1) Before mounting the loudspeaker, make sure that the speaker can be mounted on a safe location and can be easily aimed to the desired location.
Also make sure that the mounting location (Wall / Ceiling) is solid enough to support the weight of the loudspeaker.
- 2) The speaker should be mounted using the included U-shaped mounting bracket. Depending on the mounting surface, the appropriate fasteners should be used (wood, concrete, steel, ...).
- 3) For mounting the speaker more easily, the mounting bracket can be removed by means of the two bolts on the side.
- 4) When the U-shaped bracket is mounted on the desired location, the speaker can be installed to the mounting bracket by means of the two fixing screws on the side.
- 5) After the loudspeaker is mounted on the desired location, the connections can be made.

Connections

To avoid electric shocks during installation, always switch off the amplifier power when connecting loudspeakers.

A 5 core connection cable is provided on the rear side of the loudspeaker. By connecting the appropriate cable cores, the desired power taps for the loudspeaker can be selected, to be used in 100V public address applications.

Connections for 100 Volt use:

COM	Black
20 Watt	Red
10 Watt	Yellow
5 Watt	Blue
2.5 Watt	Green

Always connect the – pole of the amplifier output to the COM (Black core). The + pole of the amplifier can be connected according to the table above for the desired output power.

When the loudspeaker is connected to 70.7V facilities, the power indicated in the table above will be reduced to half the power, and when connected to 50V facilities, the power will be reduced to a quarter.

When the desired power tap is selected and connected, the loudspeaker is ready to be used.

Technical Specifications

Projector way	Unidirectional	
Max Power	40 Watt	
RMS Power	20 Watt	
Line Transformer Power taps	20 Watt	500 Ohm
	10 Watt	1000 Ohm
	5 Watt	2000 Ohm
	2.5 Watt	4000 Ohm
Line Voltage	100 V	
Driver impedance	8 Ohm	
Sensitivity 1W / 1m	92 ± 3 dB	
SPL Max W / 1m	104 dB	
Frequency response	130 Hz – 15 kHz	
Material	ABS	
Weight	1.9 Kg	
Speaker	5"	
Colour	White	
Mounting	Metal U-Bracket	
Connection cable length	75 cm	
Material	ABS Body & Stainless steel bracket	
IP Rating	IP56	