

ASP20

Installation Manual



Introduction

360° Spherical loudspeaker

The ASP20 is a 20 Watt, 360° radiating spherical loudspeaker, fitted with a 8” full range driver and a 100V line transformer with different power tapings for 20W, 10W, 5W and 2.5W.

Its wide smooth frequency response and high efficiency ensure high fidelity reproduction of music and speech with a 360° horizontal coverage. This makes it perfect for big, open areas like factory halls or athletic fields.

The ABS housing is moisture and UV resistant and the loudspeaker is equipped with a 2 meters long 5–core connection cable whereby the desired 100V power tap can be selected. A steel core provided through the connection cable makes sure that the loudspeaker can be safely mounted on any location.

Because of the moisture–proof treatment, the ASP20 meets the IP56 standard.

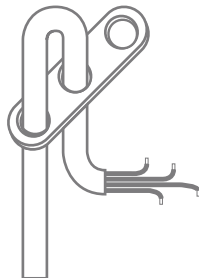
Instructions

Mounting

The mounting of the ASP20 Spherical loudspeaker can be easily done by means of the included mounting accessories.

Put the cable through the outer small hole on the plastic wire clamp and pull the cable through, so the remaining cable length is according to the desired hanging height of the loudspeaker. Then braid the cable through the second hole (the middle one) and pull the cable until its tight.

The next step is to cut the cable at the desired length, and remove the cables outer jacket for about 10 centimeters. The connection cable of the ASP20 consists of 5 copper conductors and one steel core. By means of the copper conductors, the desired power tap for the loudspeaker can be selected and the steel core is meant for suspending and securing the loudspeaker.



After the outer jacket is removed, the steel core needs to be terminated by a loop, making it possible to hang the steel cable core to the safety hook. The termination of the steel core should be done with the included screw cable clamp. Just insert the steel core through one side of it and return it through the other side. After this is done, tighten the screw from the cable clamp.

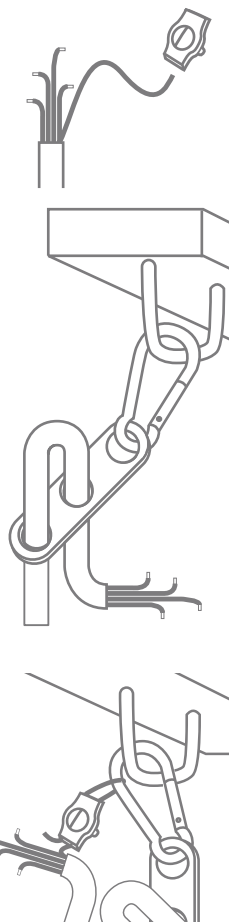
Then, the loudspeaker can be suspended from the mounting point which is provided at the desired ceiling location. In order to ensure a secure mounting for the loudspeaker, it is recommended to provide an eye-bolt at this location.

The fixing of the loudspeaker should be done by hanging the included safety hook to the provided eye-bolt.

After the loudspeaker is hung, the steel cable should be attached to the safety hook.

When all these steps are completed, the loudspeaker is properly fixed to the ceiling meeting all the strongest safety regulations.

When the connections of the loudspeaker are made according to the instructions described below, the cover can just be slid over the connection and fixing parts.



Connecting

Following on this, the loudspeaker connections should be made. Depending of the desired power tap, the corresponding wires of the 5-core connection cable should be connected.

The connection cable colouring is:

COM	–	Black
20 Watt / 500 Ohm	–	Red
10 Watt / 1000 Ohm	–	Yellow
5 Watt / 2000 Ohm	–	Blue
2.5 Watt / 4000 Ohm	–	Green

The black core always needs to be connected to the COM amplifier terminal while the other connected core should be selected according to the desired power.

Additional information

Technical specifications

RMS Power at 100 Volt	20 Watt
Line transformer power taps	20 Watt / 500 Ohm (Red) 10 Watt / 1000 Ohm (Yellow) 5 Watt / 2000 Ohm (Blue) 2.5 Watt / 4000 Ohm (Green)
Sensitivity (1W/1m)	92 dB
Max SPL (Max W / 1m)	104 dB
Frequency response	80 Hz – 18 kHz
Horizontal coverage	360°
Vertical coverage	150°
Connection cable	2 meter, 5 conductor with steel core
Driver	8" Full range
Construction	ABS
Colour	White
Weight	2.95 Kg