

# HS121 Outdoor sound projector 100V

#### Product information:

The HS121 is a full range sound projector based on a 4" driver especially designed to provide quality sound with a long throw range in a wide variation of in- and outdoor applications. Its wide, smooth frequency response and high efficiency ensure high-fidelity music reproduction along with superb projection of clear and intelligible speech at very low distortion. It delivers a power of 20 Watt RMS in standard 8 Ohm systems with a maximum power of 40 Watt but it can also be used in 100V PA systems. The 100V line transformer has power taps for 20 Watt, 10 Watt and 5 Watt which can be selected by the special designed 5-pin waterproof connector. This connector allows selecting the desired power tapping depending on the angle of rotation of the connector. The housing is made of the strongest ABS material in a light-grey colour, ensuring a smooth blend of the loudspeaker in all different kinds of environments. The IP rating of IP65 makes it suitable for indoor as well as outdoor use. For safety reasons, the speaker is provided with an internal steel safety cable, which prevents the speaker from falling, even in situations where the housing of the speaker has been damaged or broken.



- · Sporting facilities
- · Museums & Themeparks
- Events
- Retail
- Corporate



## Certification:

\one | 1P65

## **Properties:**

Weatherproof

## Impedance:

 $\Omega$  80hm

## Voltage:

7 100 Volt

# System specifications:

| Inputs                     | Connector         | -pin Euro Terminal block (Balanced) |
|----------------------------|-------------------|-------------------------------------|
| Program power handling     |                   | 40 W                                |
| RMS/AES power handling     |                   | 20 W                                |
| Line Transformer Tappings  | 1                 | 20 W / 500 Ω                        |
|                            | 2                 | 10 W / 1000 Ω                       |
|                            | 3                 | 5 W / 2000 Ω                        |
| Impedance                  |                   | 8 Ω                                 |
| Sensitivity (1W/1m)        |                   | 96 dB                               |
| Sound Pressure (Max. W/1m) |                   | 109 dB                              |
| Frequency                  | Response (± 3 dB) | 180 Hz - 13 kHz                     |
|                            | Range (-10 dB)    | 150 Hz - 15 kHz                     |
| Dispersion                 | Horizontal        | 60°                                 |
|                            | Vertical          | 80°                                 |
| Connectors                 |                   | Waterproof AWX-5 connector          |
| Drivers                    |                   | 4" Full Range                       |
| Peak power handling        |                   | 80 W                                |

# **Product Features:**

| Dimensions            |          | 220 x 160 x 250 mm (W x H x D) |
|-----------------------|----------|--------------------------------|
| Weight                |          | 2 kg                           |
| Operating temperature |          | -10 °C ~ 50 °C                 |
| Construction          |          | Fire retardant ABS             |
| Front finish          |          | Aluminium grill                |
| Mounting & handling   |          | Aluminium U bracket            |
| Colours               |          | Grey (RAL 7035)                |
| Accessories           | Included | Mounting bracket               |
|                       |          | 5-pin AWX5 connection cable    |
|                       | Optional | AWC07 - AWX5 cable 0.7 m       |
|                       |          | AWC25 - AWX25 cable 2.5 m      |
|                       |          | AWC50 - AWX50 cable 5 m        |

## Shipping & Ordering:

| Packaging                | Cardboard box        |
|--------------------------|----------------------|
| Shipping weight & volume | 2.400 kg - 0.017 Cbm |

## Architects' and Engineers' Specifications:

The loudspeaker shall be a full range sound projector based on a 4" full range driver which is built in a fire retardant ABS with a finely perforated aluminium grill. The speaker must have a horizontal dispersion of 60° and a vertical dispersion of 80°. It shall be mounted with the supplied mounting bracket.

It shall have an RMS power handling of 20 Watt with a program power handling of 40 Watt and the frequency response (±3 dB) shall range from 180 Hz to 13 kHz. The sensitivity shall be 96 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall achieve 109 dB. A 100V line transformer with power taps for 20 Watt, 10 Watt and 5 Watt shall be provided. Power tap selection shall be possible through an especially designed 5-pin waterproof connector, power tap selection depends on the angle rotation of the connector.

The system's enclosure shall be 220 mm wide, 160 mm high and 250 mm deep and the weight shall not exceed 2.0 Kg.

## Horizontal Polars:



