



Direct Screen DS24

In this documentation you will find information about:

- Description
- Placement
- Dynamic Damping Control™
- Maintenance
- Connections
- Options
- Technical specifications

Description

At the heart of the Direct Screen Series lies the DS24, a specially developed loudspeaker, of which three are placed directly above and three below the screen. The DS24 incorporates the SA1230N woofer and the SA8535 Ribbon Compact Driver for unsurpassed sound quality. With a height of just 35 centimeters, it leaves plenty of space for a large projection screen. Sub-bass comes from the SSB36 subwoofers, which are placed on the floor of the auditorium or cinema, while surround speakers are mounted on their regular positions on the side and back walls.

Placement

The Direct Screen Series places the loudspeakers (DS24) directly above and below the screen, but through innovative use of Stage Accompany technology, the left, center and right channels still appear to be coming from where the action is located: the cinema screen.

Wiring for DDC™

For absolute top quality sound reproduction, the DS24 is equipped with Dynamic Damping Control™. The DDC™ system is based on 2 loudspeaker wires that return from the speaker to the (SA) amplifier.

Maintenance

Maintenance on the DS24, especially on the drivers and filters, is best left to official Stage Accompany service personnel. However, cleaning of the cabinet can easily be done by yourself with a damp lint-free cloth.

Connections

The DS24 is fitted with two (passive) or 4 (active) SpeakON NL4 at the backside of the cabinet. (Caution: when linking, make sure nominal impedance stays within amplifier specification!).

Options

The DS24 is standard finished in SA Black Protecture, but is also available in any possible RAL color (Multi Color Option™).

Technical specifications

Frequency response	:	47Hz – 30kHz (+/- 5dB)
Transducers	:	1 x SA1230N, 12" neodymium LF driver 1 x SA8535, neodymium MF/HF driver
Cross-over frequency	:	1400Hz
Nominal impedance	:	8Ω
Max. RMS/Peak power (passive version)	:	500W/1500W
Max. RMS/Peak power (active version)	:	450W/1500W LF, 60W/1000W HF
SPL program/peak	:	124dB/128dB
Coverage angles (@ 2kHz H x V)	:	90° x 70°
Signal processing	:	presets for various controllers are available on request
Enclosure construction	:	15mm MDF, Protecture finish
Color	:	SA Black, other colors on request
Front	:	expanded steel with acoustic transparent cloth
Connectors (passive version)	:	2 x SpeakON NL4 (linked), 1 x spring-terminal
Connectors (active version)	:	4 x SpeakOn NL4 (2 x 2 linked)
Physical dimensions (H x W x D)	:	360mm x 938mm x 354mm (17.2" x 23.9" x 13.3")
Weight	:	21kg (46.3lb)
Warranty	:	5 years limited (1 year on 'moving parts')