Screen S27

In this documentation you will find information about:

- Description
- Placement
- Maintenance
- Active / passive version
- Connections
- Mounting system
- Options
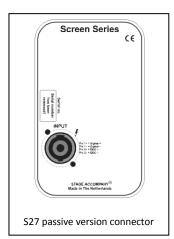- Dynamic Damping Control
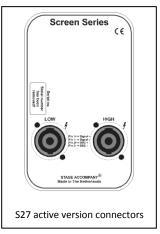- Technical specification

Description

The S27 is a full-range cinema front system, with a single SA1513 soft-suspension 15" speakers with 4" voice-coils, in combination with a SA8535 Ribbon Compact Driver, mounted in an ultra-slim sized MDF/birch cabinet. The S27 is recommended for applications where high output, high quality cinema sound reinforcement is needed.

Note: Due to the placement of the components in the cabinet, the S27 system is completely time-aligned and does not need any delay correction.

Placement

The Super Space Saving design enables the S27 to be flown behind the screen with a minimum of space required. Mounting is done by attaching cable or chain to two shoulder eyebolts, which are located on the front of the cabinet. Placing the S27 on a platform is not possible because of the bass reflex vents, which are located on the top and bottom of the cabinet.

S27 passive version connector

S27 active version connectors

Maintenance

Maintenance on the S27, 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.

Active / passive version

The S27 is available with active (bi-amp) or passive (single-amp) filtering. Please specify when ordering.

Connections

The S27 passive version uses one SpeakON NL4 connector ("input"), the active version of the S26 uses two SpeakON NL4 connectors ("low", "high").
Caution!; Incorrect connection with a S27 in bi-amp version can cause damage to the loudspeaker components!

Mounting system

Mounting is done by attaching steel cable or chain to the two shoulder eyebolts, which are located on the front of the cabinet. The steel cables or chains can be lowered from the screen frame or ceiling. When mounting the cabinet in a very tight space, utilizing a pulley-hoist makes mounting easy. A third flying point is located on the lower back side of the cabinet, to enable tilting of the cabinet when necessary.

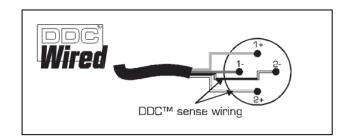Caution! Before mounting, make sure the construction stays within working load limits!

For optimum performance, it is recommended to mount the S27 as close to the screen as possible (screen distance 2.5cm/1").

Options

The S27 is standard finished in SA Black Protexture, but is also available in any possible RAL color (Multi Color Option™).

Wiring for DDC™

For absolute top quality sound reproduction, the S27 is equipped with Dynamic Damping Control™. The DDC™ system is based on two loudspeaker wires that return from the speaker to the (SA) amplifier. The picture on the right shows the wiring of a SpeakON NL4 connector in combination with the DDC™ system.

Technical specifications

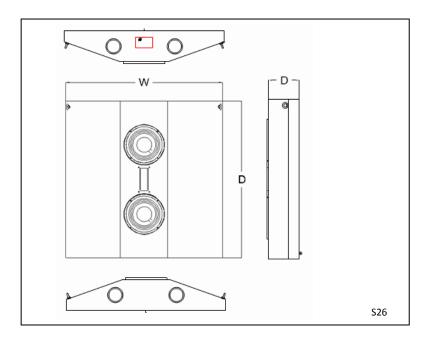|		
Frequency response	:	30Hz – 30kHz (+/- 3dB)
Transducers	:	1 x SA1513, 15" LF driver
		1 x SA8535, neodymium HF driver
Cross-over frequency	:	1300Hz
Nominal impedance	:	8Ω (passive), 8Ω LF (active), 13Ω HF (active)
Sensitivity @ 1W/1m	:	95dB (passive), 95dB LF (active), 102dB HF (active)
Max. RMS/Peak power (passive version)	:	400W/1000W
Max. RMS/Peak power (active version)	:	400W/1000W LF, 60W/1000W HF
SPL program/peak	:	121dB/125dB (passive), 121/125dB LF (active), 120/130dB HF (active)
Coverage angles (@ 2kHz H x V)	:	100° x 40°
Enclosure construction	:	15mm MDF, Protexture finish
Color	:	SA Black, other colors on request
Connectors (passive version)	:	1 x SpeakOn NL4
Connectors (active version)	:	1 x SpeakOn NL4, 1 x Low / 1 x High
Physical dimensions (H x W x D)	:	1200mm x 1200mm x 230mm (47.2" x 47.2" x 9.1")
Weight	:	65.3kg (144.0lb)
Warranty	:	5 years limited (1 year on 'moving parts')

S26

That's How Music Should Sound!