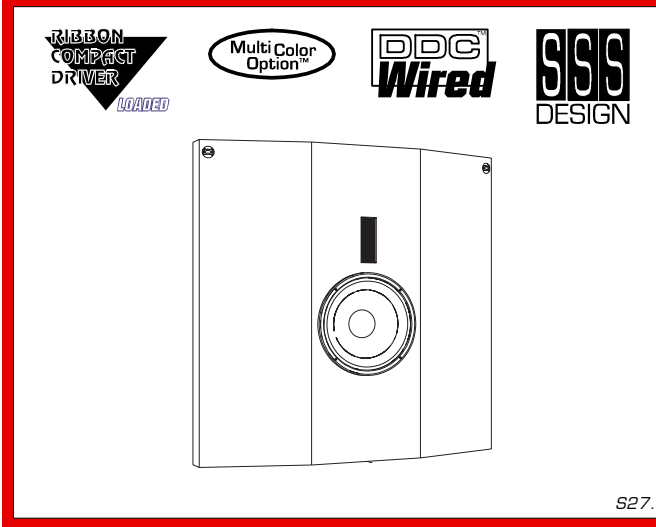




stage accompany

Technical specifications S27



Screen S27

In this documentation you will find information about:

- Description
- Placement
- Active/passive version
- Connection
- Options
- Mounting System
- Dynamic Damping Control™
- Recommendations

Description

The S27 is a full-range cinema front system, with single SA 1513 soft-suspension 15" speaker with 4-in. voice-coil, in combination with an SA 8535 Ribbon Compact Driver, mounted in an ultra-slim sized MDF/birch cabinet. The S27 is recommended for applications where moderate 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.

Active/passive version

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

Connection

The S27 passive version uses one 4-pole Speakon connector ("input"), the active version uses two 4-pole Speakon connectors ("low", "high"). Caution!; Incorrect connection with a S27 in bi-amp version can cause damage to the loudspeaker components!

Options

The S27 is standard finished in SA Black Protecture™ and is also available in any possible RAL color through "Multi Color Option™".

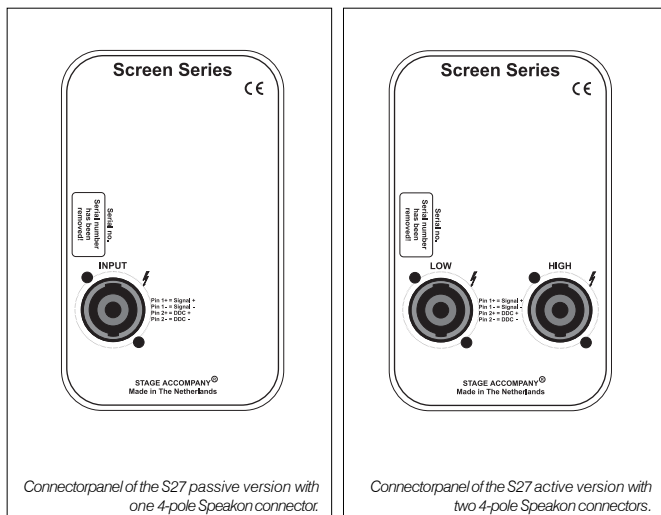
Mounting system

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 cable or chain 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-in).



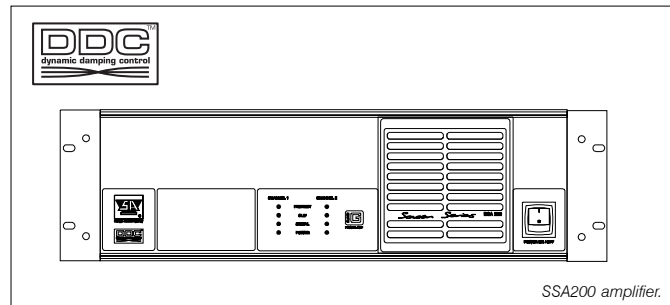
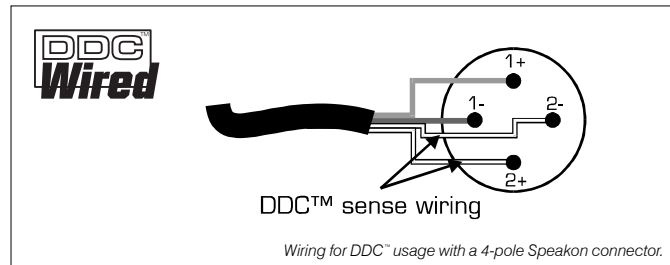
Dynamic Damping Control

For absolute top quality sound reproduction, the S27 is completely pre-wired for Dynamic Damping Control™. The DDC™ system is based on two additional (loudspeaker) wires between speaker and the (SA) amplifier. Through these "sense" wires, the DDC™ circuitry in the amplifier compensates speaker cable and connector resistance, ensuring maximum control over the speaker cone movement.

Furthermore, with DDC™, distortion is reduced substantially.

Recommendation

To use the S27 we recommend the SSA200 power amplifier. This amplifier is standard equipped with DDC™, resulting in a virtually infinite damping factor at the speaker terminals. To use the DDC™ system with a SSA200 amplifier, use 4-core speaker cable. The SSA200's Extended Function Network ("EFN™") provides dedicated filtering, power optimizing and protection for the S27 (EFN-DP).



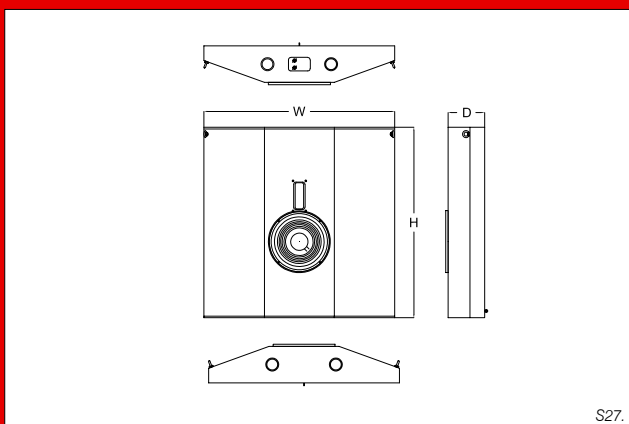
Technical specifications

Passive version

Frequency response	: 30 Hz - 30 kHz (+/- 3dB)
Drivers	: 1 x SA 1513 LF driver, 1 x SA 8535 HF driver
Cross-over frequency	: 1300 Hz
Nominal impedance	: 8 Ohm
Sensitivity @ 1W/1m	: 95 dB
Max. RMS power	: 400 W
Max. Peak power	: 1000 W
SPL program/peak (dB)	: 121/125
Dispersion (2 kHz H x V)	: 100° x 40°
Color	: SA Black, other colors on request
Connectors	: 1 x 4 pole Speakon input
Physical dimensions (h x w x d)	: 1200 x 1200 x 230 mm (47.2 x 47.2 x 9.1 in.)
Weight	: 65.3 kg (144 lb)
Warranty	: 5 years limited (1 year on "moving parts")

Active version

8 Ohm (LF), 13 Ohm (HF)
95 dB (LF), 102 dB (HF)
400 W (LF), 60 W (HF)
1000 W (LF), 1000 W (HF)
121/125 (LF), 120/130 W (HF)
2 x 4 pole Speakon input; 1 x LF, 1 x HF



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