

# Screen S31

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## Description

The S31 from the Screen Series is a phase linear full-range 3-way cabinet, with a SA1230N long-excursion woofer with 4" voice-coil, a SA0651N mid-range driver in an ultra-slim sized MDF cabinet with on top a horn loaded SA8535C neodymium Ribbon Compact Driver.

The S31 is recommended for applications where high quality sound enhancement is needed where limited placement space is available.

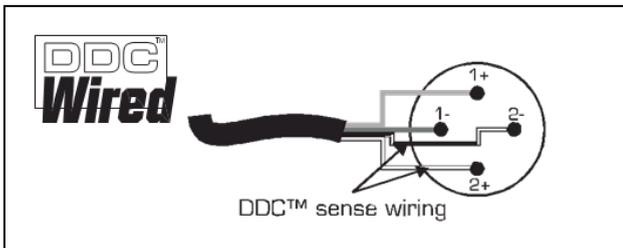
## Placement

The Super Space Saving design enables the S31 to be flown behind the screen with a minimum of space required. Mounting is done by attaching cable or chain to two eyebolts, which are located on the side of the cabinet. The S31 can also be placed on a speaker dolly, platform or on the floor, since the bass reflex vents are located on the sides of the cabinet.

Please note that bass-response may vary with the position of the cabinet, through "acoustic coupling"! (floor, ceiling and wall reflections).

## Wiring for DDC™

For absolute top quality sound reproduction, the S31 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 SpeakON NL4 connector in combination with the DDC™ system.



## Maintenance

Maintenance on the S31, especially on the drivers, 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

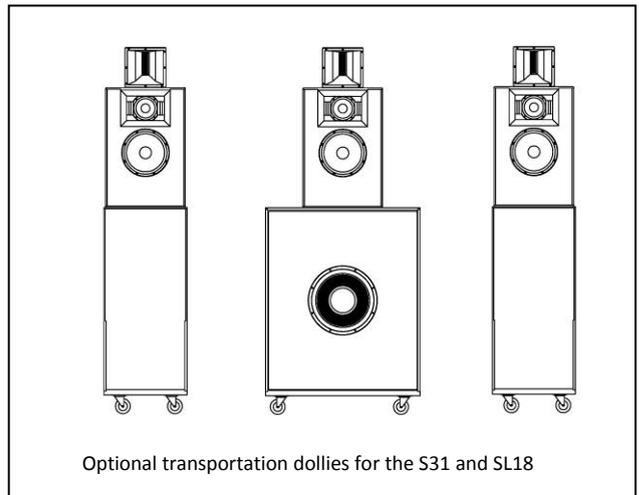
The S31 has two SpeakON NL4 connectors.

(Caution: when linking, make sure nominal impedance stays within amplifier specification!).

## Options

The S31 is standard finished in SA Black Protecture, but is also available in any possible RAL color (Multi Color Option™).

If desired, specially crafted dollies are available on request.

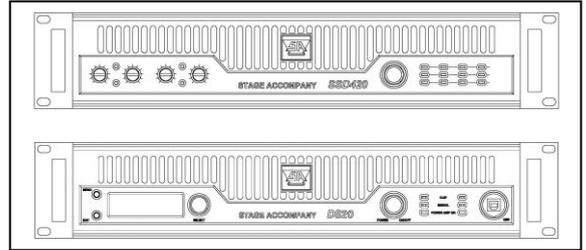


Optional transportation dollies for the S31 and SL18

## Recommendation

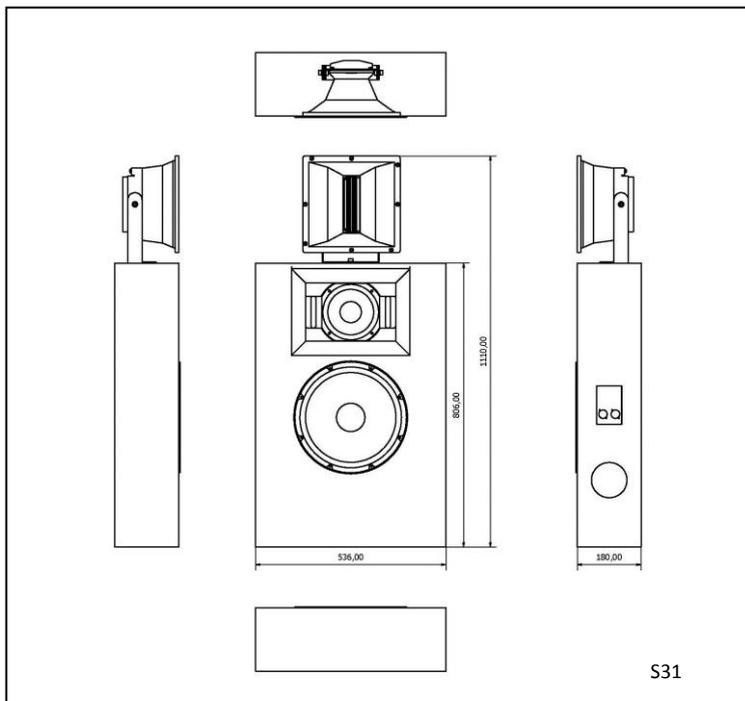
To use the S31 we recommend the SSD420 (4-channel) or DS20 (2-channel) power amplifier. The SSD420's optional Extended Function Network (EFN™) provides dedicated filtering, power optimizing and protection for the S31.

By using the DS20, dedicated DSP presets can be selected for optimum use of the S31.



## Technical specifications

Frequency response	: 44Hz – 30kHz (+/- 3dB)
Transducers	: 1 x SA1230N, 12" LF driver 1 x SA0651N, 6" MF driver 1 x SA8535C, neodymium HF driver
Nominal impedance	: 8Ω
Sensitivity @ 1W/1m	: 98dB
Max. RMS power	: 800W
Max. Peak power	: 2000W
SPL program/peak	: 124dB/128dB
Enclosure construction	: 16mm MDF, Protecture finish
Color	: SA Black, other colors on request
Front	: n.a.
Connectors	: 2 x SpeakOn NL4 (linked)
Physical dimensions (H x W x D)	: 1011mm (806mm, without the SA8535) x 536mm x 180mm (39.8" (31.7") x 21.1" x 7.1")
Weight	: 27.2kg (148.1lb)
Warranty	: 5 years limited (1 year on 'moving parts')



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