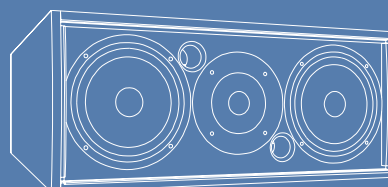




In this document you find information about:

- Description
- Placement
- Dispersion
- Connection
- Options
- Dynamic Damping Control™
- Recommendations
- Technical specifications



Description

The S7 is an ultra-compact full-range surround cabinet, with double 5" woofer with a high-power soft-dome tweeter, in a trapezoidal MDF cabinet. It is recommended for cinema surround applications.

Placement

The S7 can be mounted with the F-bracket. The bracket enables mounting with optimized projection and dispersion under all surface angles. The S7 can also be fitted with a simple hook, using the holes which are integrated in the mounting plate on the backside of the cabinet.

Dispersion

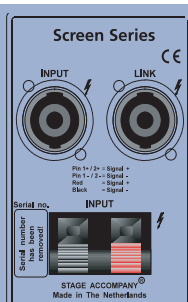
The 'd'Appolito' configuration of the components caters for perfect on- and off-axis response'. Due to the vertical directivity, the listeners closer to the wall/speaker will be 'off-axis', with natural SPL 'roll-off' as a result. This provides superb surround stereo imaging, regardless of the listening positioning (surround speakers with traditional 'wide' vertical directivity provide full SPL, also to the listeners close to the wall/spaker ('on-axis'), dramatically reducing the stereo surround experience).

Connection

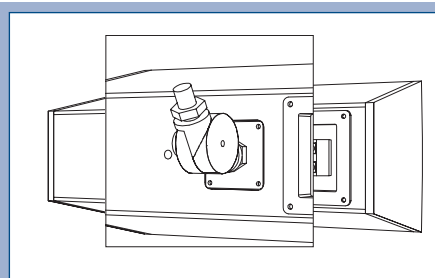
The S7 has two 4-pole Speakon connectors and one spring-terminal connector. Connecting can be done in two ways; with a 4-pole speakon or with the spring terminal connector (for use with loose wires). When using Speakon connectors, be sure that you use the 'Input' socket (see connector panel). In case you want to link several S 30 cabinets to the same channel, then it is easy to link them to another by using the 'Link' socket. (Caution! When linking, make sure nominal impedance stays within amplifier specification!). When using the spring-terminals, be aware of the right polarity (see connector panel).

Options

The S7 cabinet is standard finished in black Protecture™ and is also available in any possible RAL color through 'Multi Color Option™'.



Connectorpanel of the S7 with two 4-pole Speakon connectors and a spring terminal.



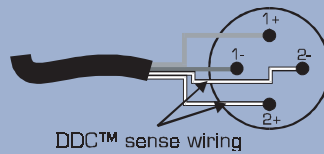
S7 with bracket

Dynamic Damping Control DDC™

For absolute top quality sound reproduction, the S7 is completely pre-wired for Dynamic Damping Control. The DDC™ system is based on 2 loudspeaker wires that return from the speaker to the (SA) amplifier. Through these “sense wires” the amplifier can compensate the speaker cable and connector resistance, ensuring maximum control over the speaker cone movement. Furthermore, with DDC™, distortion is reduced substantially.

Recommendation

To use the S7 we recommend the SSA 100 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 SSA 100 amplifier, use 4-core speaker cable. The SSA 100's Extended Function Network ('EFN™') provides dedicated filtering, power optimizing and protection for the S7 (EFN-DP).



Wiring for DDC™ usage with a 4-pole Speakon connector.



SSA 100 amplifier.

Technical specifications

| | |
|--------------------------|--|
| Frequency response: | 80 Hz - 20 kHz (+/- 3dB) |
| Drivers: | 2 x 5" LF driver, 1 x 1" ferrofluid cooled soft dome tweeter |
| Cross-over frequency: | 3000 Hz |
| Nominal impedance: | 8 ohms |
| Sensitivity @ 1W/1m: | 92 dB |
| Max. RMS power: | 140 W |
| Max. Peak power: | 300 W |
| SPL program/peak (dB) | 113/116 dB |
| Dispersion (2kHz H x V): | 120° x 90° |
| Color: | Blue, black, other colors on request |
| Front: | Metal grille |
| Connectors: | 2 x 4 pole Speakon, 1 x Input, 1 x Link, 1 x Terminal |
| Physical dimensions: | 428 x 176 x 173 (16.9 x 6.9 x 6.8 in.) |
| Weight: | 5 kg (11 lb) |
| Warranty: | 5 years limited (1 year on 'moving parts') |

