

Residential Series

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Description

The RESIDENTIAL Series is a 3-way high end linear line source consisting of 6 x 5" high end MF drivers with two exceptional linear Ribbon Compact Drivers and two high end precision 12" LF transducers.

The use of the Stage Accompany Compact driver ensures the unsurpassed clarity and speech intelligibility even at a high SPL. The Compact drivers are mounted in such way that results in a horizontal coverage of 120 degrees and a vertical coverage of 30 degrees.

Placement

RAL colors allow it to blend into any architecture. The low cabinet provide a stable podium base for the top cabinet of the colinear line source.

Wall mounting of the top cabinet is also possible.

Maintenance

Maintenance on the RESIDENTIAL series, 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.

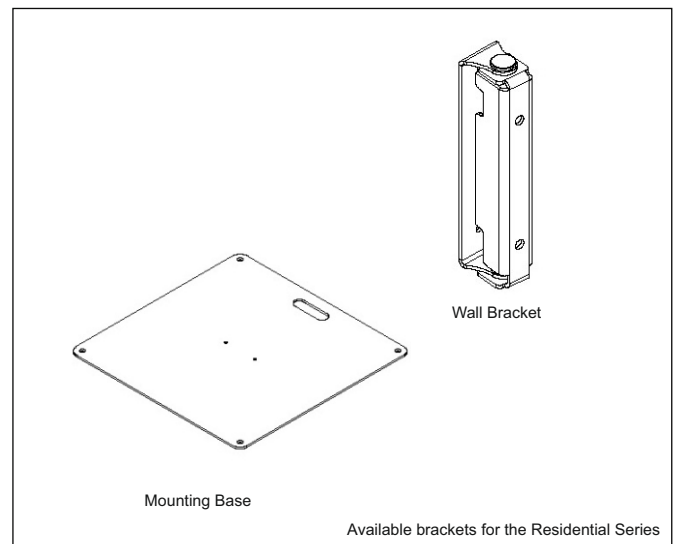
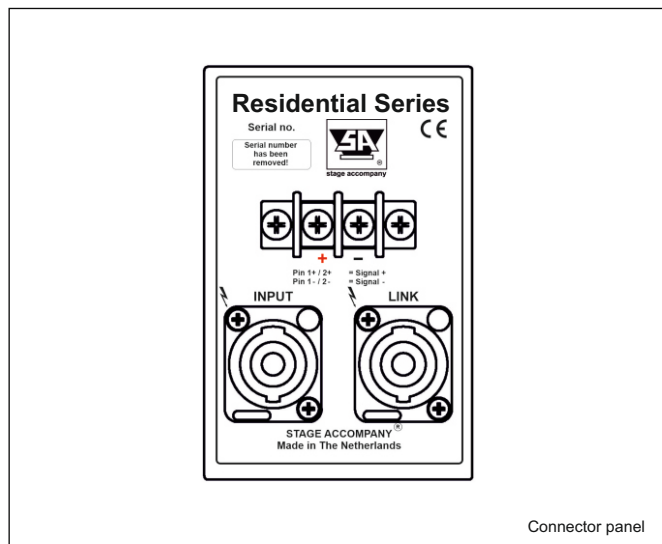
Connection

The RESIDENTIAL Series has two 4-pole Speakon connectors, and one screw-terminal connector for connecting separate wires, on both cabinets. (Caution: When linking, make sure nominal impedance stays within amplifier specifications!).

When using the screw-terminal, be aware of the right polarity (see connector panel)

Options

The RESIDENTIAL Series is standard finished in Black Protecture, but is also available in any possible RAL color (Multi Color Option™). Available brackets are: Wall-bracket and mounting base.



Dynamic Damping Control (DDC™)

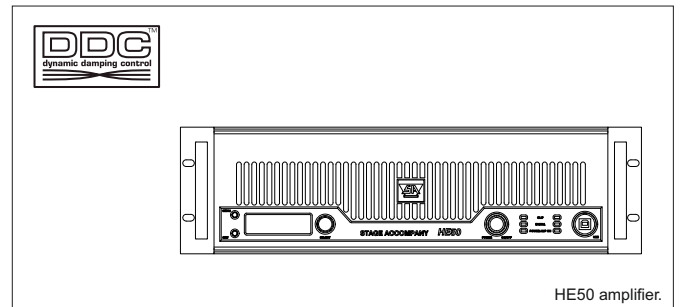
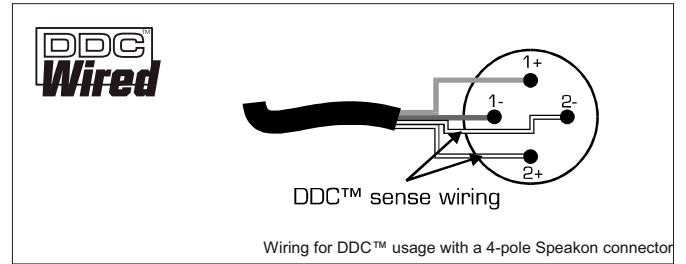
For absolute top quality sound reproduction, the RESIDENTIAL series is pre wired for Dynamic Damping control.

The DDC system is based on 2 wires (incorporated in the 4 pole Speakon connector and speaker cable) that return from the speakers from the speakers to the (SA) amplifier. Through these "sense wires" the amplifier measures the signal on the speakers themselves and can compensate the speaker, cable and connector resistance, and thus ensures maximum control over the speaker cone movement.

Recommendation

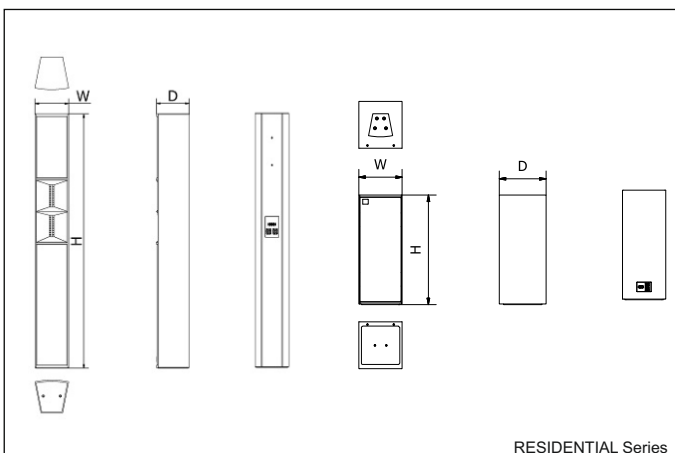
To use the RESIDENTIAL Series we recommend the HE Series power amplifier.

This amplifier is standard equipped with DDC™, resulting in a virtually infinite amplifier damping factor at the speaker terminals. To use the DDC™ system with an HE50 amplifier, use SA 4-pole LW Speakon cable. By using a HE series amplifier, dedicated DSP presets can be selected for optimum use of the RESIDENTIAL Series



Technical specifications

Frequency response	: 40 Hz - 30 kHz (+/- 3dB)
Drivers	: 2 x 12" LF and 6 x 5" High end neodym MF driver; 2 x neodym ribbon compact driver
Cross-over frequency	: 120 and 3500 Hz
Nominal impedance	: 6 Ohm, low section 4 Ohm
Sensitivity @ 1W/1m	: 99 dB
Max. RMS power	: 600 W, low section 2000W
Max. Peak power	: 1200 W, low section 4000W
SPL program/peak	: 132 dB/135 dB
Dispersion (2 kHz H x V)	: 120° x 30°
Color	: SA Black, other colors on request
Front	: Expanded metal grille + acoustic transparent cloth
Connectors	: 2 x 4-pole Speakon (DDC wired), 1 x screw terminal
Physical dimensions (h x w x d)	: 1350 x 180 x 175 mm (53.0 x 7.0 x 6.89 in.) / 858 x 340 x 367 mm (33.8 x 13.43 x 14.5 in.)
Weight	: 55,0 kg (121.25 lb)



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