

Residential Series

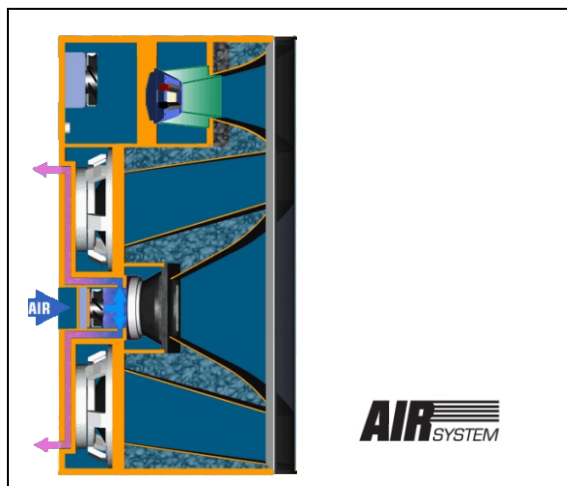
In this documentation you will find information about:

- Description
- Placement
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- Maintenance
- Connections
- Options
- Technical specifications

Description

The RSL63 is a three-way active-filtered LMF/MF/HF cabinet, featuring double SA 12" speakers, double SA precision 8" speakers and double SA8535L Ribbon Compact Drivers; all mounted on their own wave-guide with a symmetrical coverage of 36 degrees horizontal and 30 degrees vertical.

All speakers in the RSL63 are forced cooled by the SA AIR system™. The AIR-system™ is reducing magnet operating temperature by 20 degrees. This reduction of operating temperature caters for a dramatically reduced power compression for the cone drivers and a doubled power handling for the Ribbon Compact Drivers.



The RSL63 is a combination of traditional craftsmanship and high-tech CNC routers. The horn flares of each section are formed by 3mm Baltic Birch plywood for smooth guided curves. The cavities between the cabinets side walls and behind the horn flares are filled with structural foam. This construction has an excellent "stiffness-to-weight" ratio with excellent acoustic damping and cavity resonance suppression. The cabinet construction is made of 15mm multi-layer Birch panels, connected with tongue and groove for a larger connecting surface and supported by lightweight bracing. A result for cabinets both extremely durable and very light in weight.

The RSL63 is the ultimate selection for the residential client who demands the best performance possible.

Placement

The RSL63 is designed to be used as part of a ground stack system (to complement the RSB63 sub), but can also be flown (flying hardware integrated). The RSL63 cabinets can be "linked" together to form a real horizontal line array for best coverage.

Wiring for DDC™

For absolute top quality sound reproduction, the RSL63 is equipped with Dynamic Damping Control™. The DDC™ system is based on two loudspeaker wires that return from the speaker to the (SA) amplifier.

Maintenance

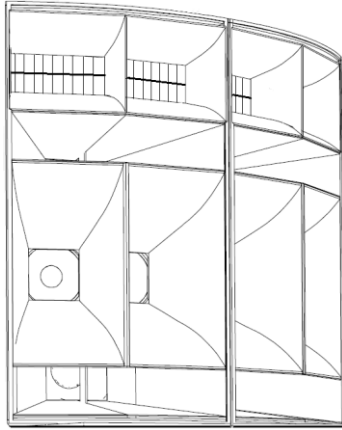
Maintenance on the RSL63, especially on the drivers and electronics, is best left to official Stage Accompany service personnel. However, cleaning of the cabinet can easily be done by yourself with a damp lint-free cloth.

Connections

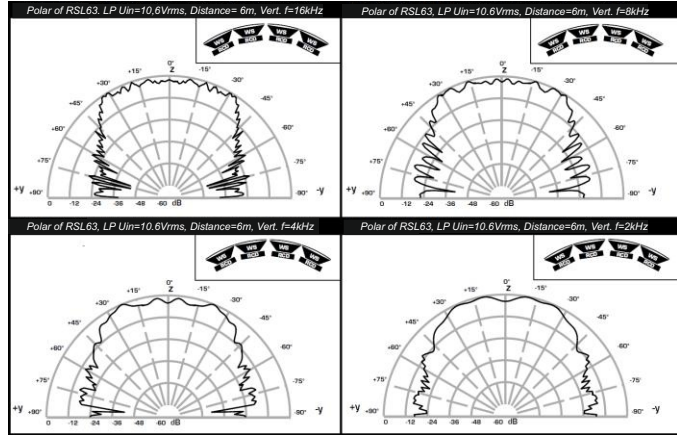
The RSL63 is fitted with SpeakON NL8 at the backside of the cabinet. (Caution: when linking, make sure nominal impedance stays within amplifier specification!).

Options

The RSL63 is standard finished in SA Black Protecture, but is also available in any possible RAL color (Multi Color Option™).



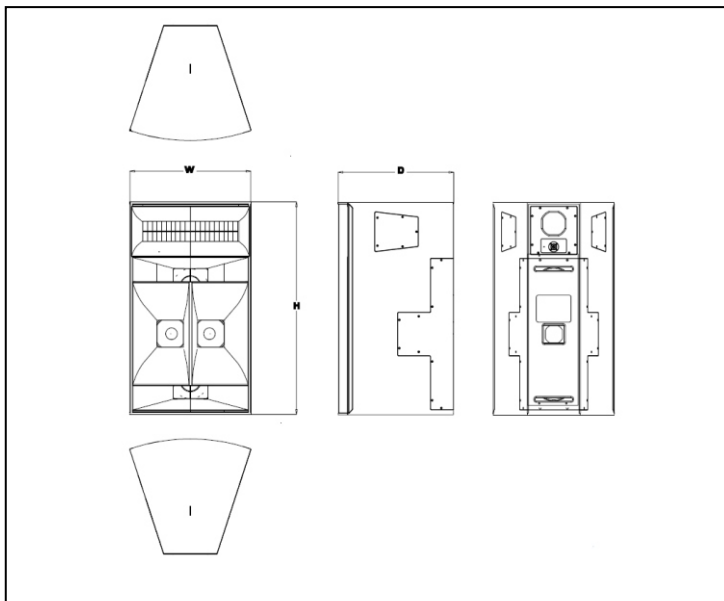
Two RSL63 form a horizontal line array



Polar plots of two RSL63 tight-packed.

Technical specifications

Frequency response	:	90Hz – 30kHz (+/- 3dB)
Transducers	:	2 x SA high end, 12" LMF driver 2 x SA Precision, 8" MF driver 2 x SA8535L, HF neodymium driver
Cross-over frequencies	:	250Hz – 1900Hz
Nominal impedance	:	4Ω LMF, 8Ω MF, 6Ω HF
Sensitivity @ 1W/1m	:	107dB LMF, 112dB MF, 113dB HF
Max RMS power	:	300W LMF, 200W MF, 240W HF
Max peak power	:	2000W LMF, 1300W MF, 1540W HF
SPL program/peak	:	133/140dB LMF, 135/142dB MF, 137/145dB HF
Coverage angles (H x V), single enclosure	:	36° x 30°
Signal processing	:	presets for various controllers are available on request
Enclosure construction	:	15mm Birch plywood, 8 handles, Protecture finish
Rigging	:	integrated flying hardware
Color	:	SA Black, other colors on request
Front	:	expanded steel with acoustic transparent cloth
Connectors	:	1 x SpeakOn NL8
Physical dimensions (H x W x D)	:	1100mm x 626mm x 592mm (43.3" x 24.7" x 23.3")
Weight	:	87kg (191.8lb) incl. flying hardware
Warranty	:	5 years limited (1 year on 'moving parts')



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