SMS RB3

This documentation provides the following information:

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- Technical specifications

Description

The special and simple design of the RB3 of the Sonic Message Series (SMS) is probably the most important reason for the pressure produced by this ribbon loaded enclosure. The recent development of SA UltraCode was inspirational to the creation of the SMS RB3.

The RB3 is designed to cope with very high levels of (inaudible) sound between 15kHz and 22kHz, the frequency bands SA UltraCode and Sonic Notify based signals uses.

SA UltraCode

Stage Accompany designed a way to transport data thru inaudible sound to mobile devices like smart phones and tablets with the StageTools App installed. The SA UltraCode gives a live event an extra dimension to let mobile devices be a part for example a light show (screens of mobile devices changing colors at the same time). SA UltraCode can be run from the DMX-console as a part of the show sequences, but also real-time sending text messages or hyperlinks to mobile devices.

More information about the SA UltraCode and SA StageTools App can be found here:
http://www.stageaccompany.com/products/software/softwar e.html

Maintenance

Maintenance on the RB3 is best left to official Stage Accompany service personnel. However, an instruction manual to replace the RB3's diaphragms is available.
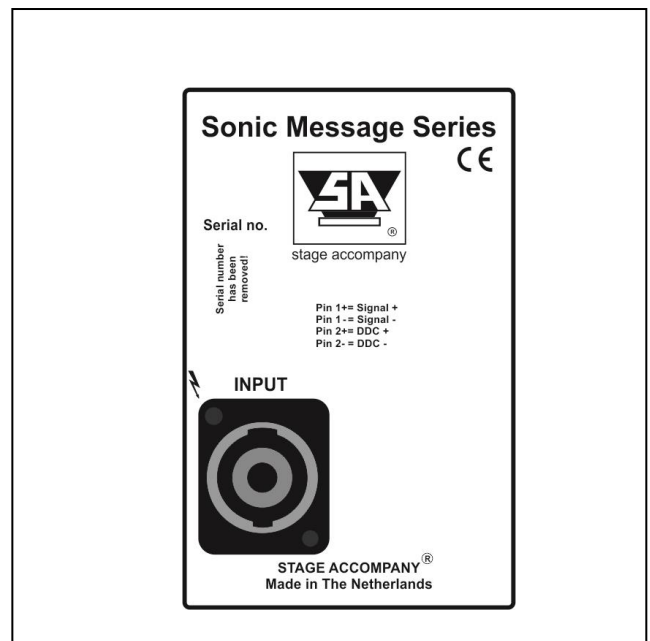
Caution!

Feeding the RB3 frequencies below 1kHz and/or power over the rated power handling (180W RMS) will cause driver (diaphragm) failure. Do not expose the driver to extreme humidity and/or high temperatures.

Features

- Extreme low distortion
- High power handling (up to 3000W peak)
- Wide frequency response (1kHz - 30kHz)
- Unequalled transient response
- Direct Drive Diaphragm, no cone break-up, no compression mechanism
- Low weight & high output through Neodym® magnet structure
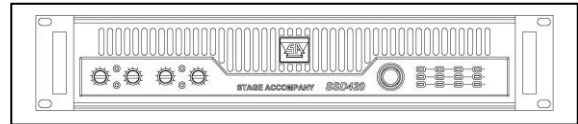
Connections

The RB3 has one SpeakOn NL4 connector. A Link option Is not available because of the low impedance we do not recommended to link these cabinets.
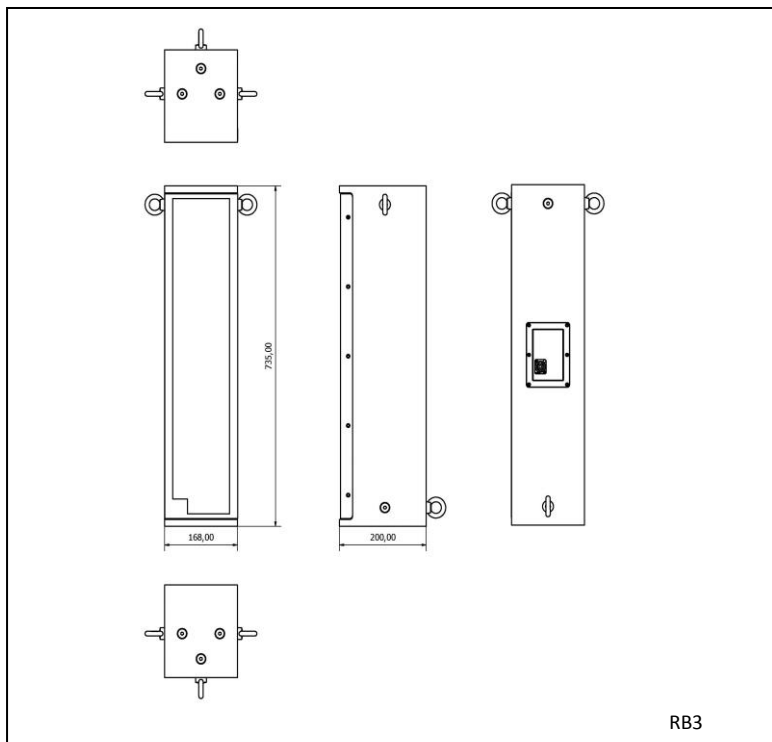
Recommendation

To use the RB3 we recommend the SSD420 (4-channel) amplifier.

The SSD420's optional Extended Function Network (EFN[TM]) provides dedicated filtering, power optimizing and protection for the RB3.

Technical specifications

Frequency response	:	1000Hz – 30kHz
Nominal impedance	:	4 Ω
SPL program/peak	:	117dB/133dB
Max. RMS power	:	180W
Max. Peak power	:	3000W (200ms)
Coverage (H x V)	:	120° x 60°
Usable for	:	SA UltraCode signals & Sonic Notify based signals
Color	:	SA Black, other colors on request
Front	:	Perforated stainless steel
Connectors	:	1 x SpeakOn NL4
Physical dimensions (H x W x D)	:	735mm x 168mm x 200mm (28.9" x 6.6" x 7.8")
Weight	:	17.2kg (37.9lb)
Waranty	:	5 years limited (1 year on 'moving parts')

RB3

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