



## technical specifications LR16



### general

- RBN601 pro-ribbon HF driver with exceptional intelligibility and “throw”
- Special mid-tapering for smooth off-axis response (no lobes)
- Maximum attainable “gain-before-feedback”
- Extended bass response, usable down to 51Hz.
- SIS pre-wired for very high damping and further reduced distortion (with ALC)
- Revolvable horn provides for versatile multi-application system: Vertical line-array or horizontal stand-alone
- Durotect™ scratch-resistant coating

### description

The LR16 is an active 2-way line-source loudspeaker system. It is a true line-array system, to be used as vertical array, either in stacked or flown configuration, for both portable and permanent installations. Loaded with the RBN601 ribbon driver on a “morpher” wave-guide (92% frontal radiation), the system features real-90 dispersion with seamless coverage, due to the ribbon’s all-natural cylindrical (Isophasic) wavefront. Its transient response caters for an amazing intelligibility and throw.

The compact size, combined with the easy and accurate flying system, makes the system quick to set-up.

Special attention in the design was paid to creating a versatile (and therefore economic) system; The system can be scaled from (part of) a large-scale

long-throw arena system to an ultra-compact single cabinet system, with its revolvable wave-guide.

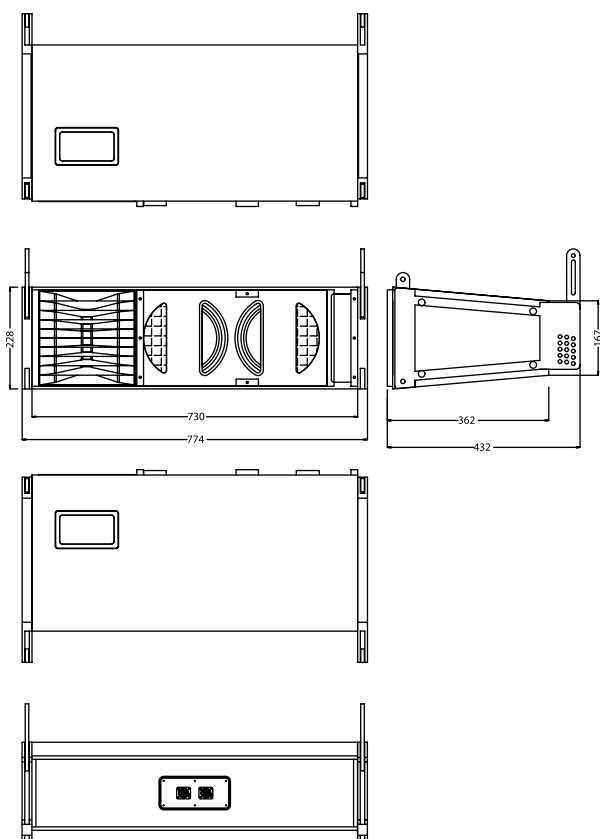
Furthermore, its lowest usable frequency is 51Hz., making the system real full-range in most applications.

The SIS pre-wiring ensures complete cable/connector compensation between the LR16 and ALC. Typical applications for the LR16 include main system for theatre, A/V, PA or front-, in- and side-fill system.

In applications where extended bass response is required, the LR16 can be combined with the LR16B bass module or a BF362 deep-sub system.

For full system performance, we recommend using the LR16 in combination with an ALC 2 (or ALC 4) amplifier/controller. Driven by the ALC, the LR16 delivers maximum sound quality with inaudible (power and excursion) protection (SDP circuit).

## dimensional drawing



## technical specifications

Frequency Response	
+/- 3 dB	70 Hz - 20.000 Hz
+/- 10 dB	51 Hz -
Sensitivity (SPL 1W/M)	
	LF 97 dB, HF 105 dB
Sensitivity nominal	
	LF 99 dB, HF 105 dB
	(200 Hz. - 10 kHz.)
Nominal impedance	
	LF 8 ohms, HF 8 ohms
Maximum RMS power	
	LF 560W, HF 70W
Maximum peak power	
	LF 1600W, HF 1000W
SPL program/peak (nom.)	
	LF 126/131 dB
	HF 123/135 dB
Dispersion H x V (array)	
	90° x depending on array length and shape
Dispersion H x V (single)	
	90° x 40° @4 kHz., vertical use, revolved horn

## physical specifications

System	2-way, full-range	
Filtering	active (passive optional in vertical use)	
Drivers LF	2 x AMB8 8", vented	
Driver HF	1 x RBN601 6" ribbon driver	
Cross-over frequency	1200 Hz	
Connectors	2 x Speakon NL8 input/link	
Physical dimensions	mm	in
Height	228/167	8.9/6.5
Width	774	30.5
Depth	434	17,1
Weight (approx.)	29 kg	(63.9 lb)
Warranty	6 years limited	

A: Alcons Audio B.V.  
De Corantijn 69  
1689 AN Zwaag  
The Netherlands

E: info@alconsaudio.com  
W: www.alconsaudio.com  
T: +31 (0)229 28 30 90  
F: +31 (0)229 28 30 99