

Compact, two-way passive cabinet. Consists of a 12" (3" voice coil) LF transducer and a 1" HF driver mounted on a 90° x 60° rotatable horn



### Key features

- Compact two-way passive cabinet
- Multi-angle enclosure
- 90° x 60° rotatable horn
- Screwless grill with protective acoustic textile
- Integrated ergonomic handle
- Hidden speakon connection
- Multiple installations options, including stage monitor
- Polyurea coating

### Applications

- Club & bar installation
- Houses of worship
- Sound reinforcement
- Theatres
- Public address
- Multi media spaces

### General description & specifications

The BS-12 is a compact, two-way passive cabinet. Consists of a 12" (3" voice coil) LF transducer and a 1" HF driver mounted on a 90° x 60° rotatable horn offering a wide range of applications from fixed installations, frontfill and as a stage monitor.

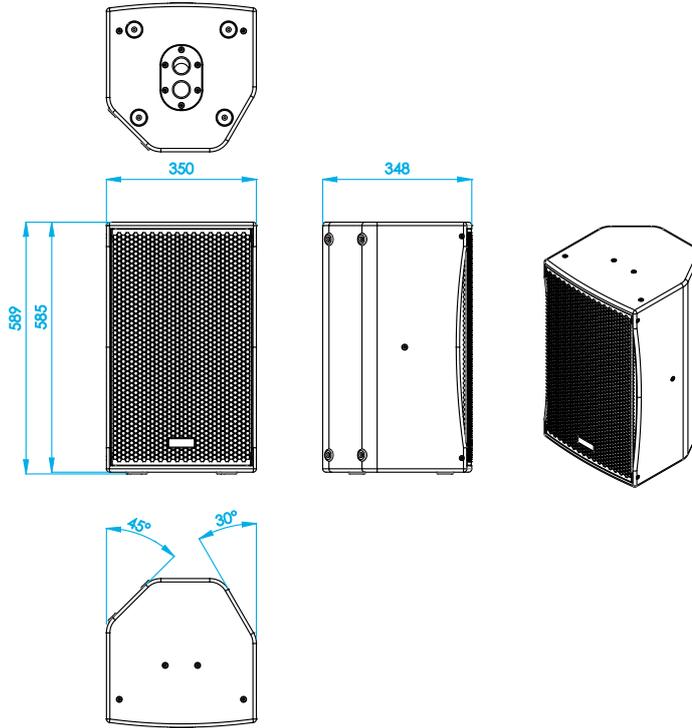
The 12" driver offers high power handling and high sensitivity with low harmonic distortion and linear response. The cone is waterproof and has been treated on both sides. The ultra compact 1" HF driver achieves high sensitivity, with exceptional dynamic range creating remarkable depth and definition.

The cabinet can be complemented by the BS-112 or BS-118 subwoofers and offers tremendous sound and clarity over medium distances. Constructed from premium birch plywood and coated in high resistant polyurea paint. The enclosure also offers a screw free grille together with a number of dedicated accessories. Although the BS-12 can be used without a processor we recommend that the cabinet presets are applied for maximum optimization and performance.

### Technical Data

<b>Components</b>	
• LF:	12" speaker, 3" ( 75 mm) copper wire voice coil, Waterproof cone with treatment on both sides
• HF:	1" exit throat, (25,4 mm) voice coil, annular diaphragm driver
<b>Frequency range</b>	60 Hz - 20 KHz (-10dB)
<b>Sensitivity</b>	96 dB
<b>Max SPL</b>	122 dB / 128 dB
<b>Rated Power</b>	400 W AES (800 W program, 1600 W peak)
<b>Dispersion</b>	90° x 60° rotatable
<b>Nominal Impedance</b>	8 Ω
<b>Connectors</b>	2 x NEUTRIK Speakon NL4
<b>Finish</b>	Polyurea coating
<b>Material</b>	15 mm Premium birch plywood
<b>Dimensions</b>	589 x 350 x 348 mm (H x W x D)
<b>Weight</b>	19 Kg (41.8 lbs)
<b>Fittings</b>	5 x M8, ergonomic handle on the back position, double pole-mount with 10° angle
<b>Accessories</b>	U bracket horizontal & vertical, M8 eyebolts, wall bracket
<b>Enclosure Type</b>	Multi angle enclosure

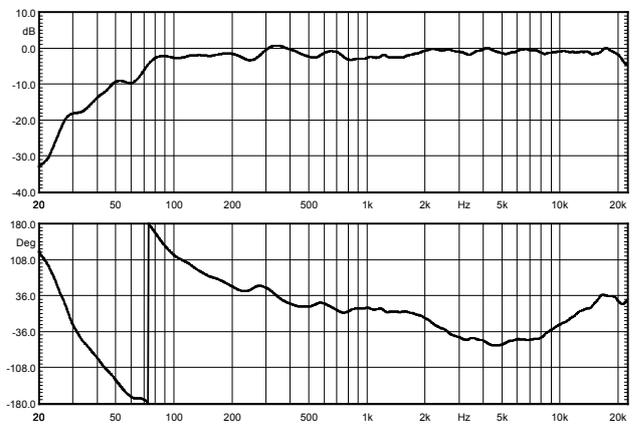
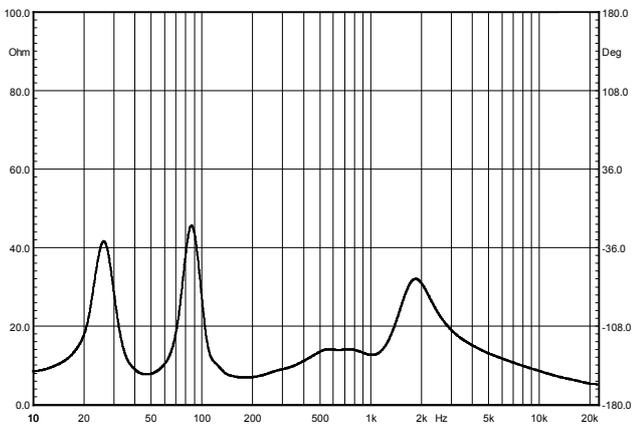
### Dimensional Drawing



### Accessories

	AGR-8	M8 Eyebolt
	WB-20/2	Wall bracket for BS-12
	UBR-BS12	U bracket for BS-12

### Impedance Response & Frequency Response



# Technical Department

## Model BS-12 Optimizer Preset

This document contains the filter values for the model BS-12 speaker.

NUMBER FILTER	TYPE OF FILTER	FREQ Hz	Q	GAIN dB
1	Parametric Q Adap	660	5	-3
2	Parametric Q Adap	63	2.4	4
3				
4				
5				
6				
7				
8				
9				

CROSSOVER	TYPE	FREQ Hz	GAIN dB
LOW-PASS			
HIGH-PASS	Buttw	30	3° 18 dB/Oct

### Note:

The preset is made with an amplifier from the RS series and an ARK processor. Using other products will not guarantee the same result and if the preset is incorrectly introduced it can affect the performance of the system and the reliability of the speaker.

Ensure the impedance of the loudspeaker and the maximum AES power is capable of supporting when adjusting the power limitation in the amplifier.

This can also lead to loss of warranty claims in case of damage.

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