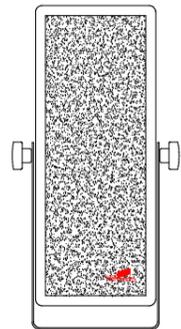
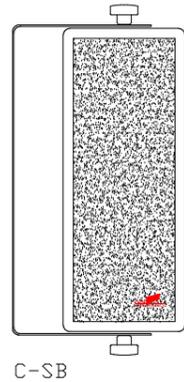
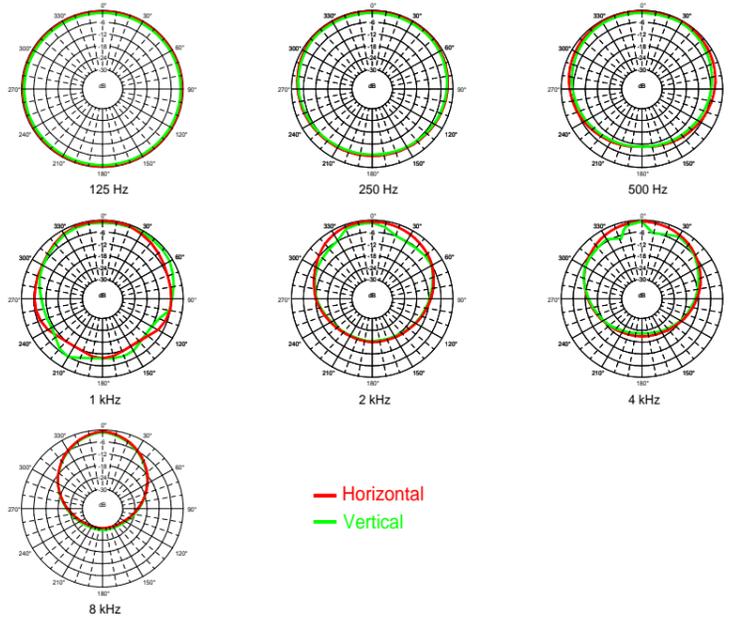
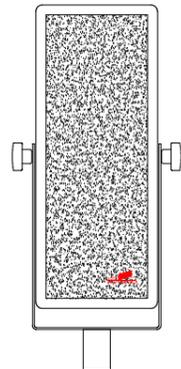


WORSHIP & HALL Series

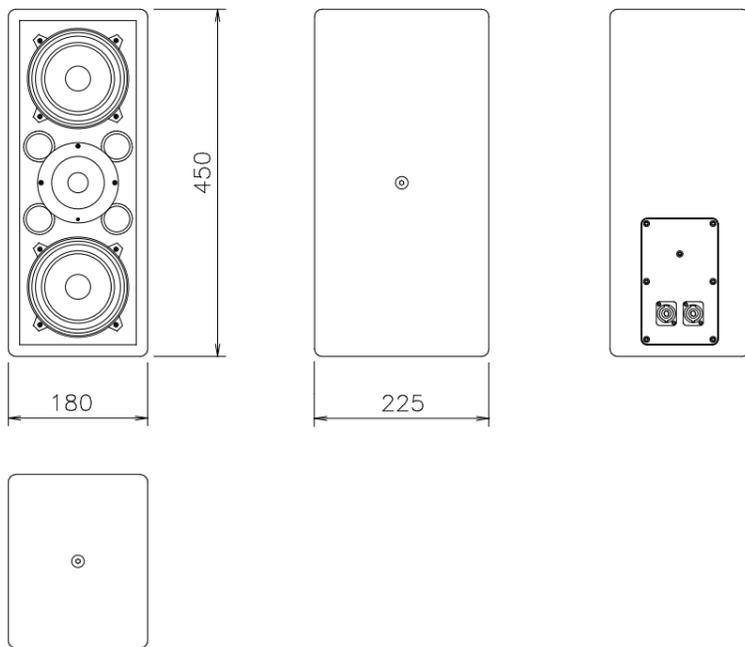
Hall SB Specifications



U-SB



U-SBS



WORSHIP & HALL Series

2Way passive, compact, processor controlled loudspeaker system

**Audio-Performance Worship & Hall SB**

The SB loudspeaker is a compact device designed to perform in a wide range of public address and sound reinforcement applications. It is a 2Way passive system, consisting of two proprietary 5-inch low frequency driver and one 1-inch high frequency dome tweeter loaded with a 60x60° horn, housed in a vented enclosure.

The enclosure is black, white or any RAL epoxy painted (on option) and fitted with M8 screws on top and bottom and on each side. On the back, two Speakon connectors allow easy parallel connection. The front of the speaker is protected by a perforated metal grill and inside covered with charcoal grey foam.

The SB loudspeaker is designed to operate with the P212 SB-E processor, unit which contains speaker sense, drivers protection, amplitude and phase response alignment circuitry, optimized for this loudspeaker.

The P212 SB-E processor allows the loudspeaker to be operated at full capacity with maximum fidelity and reliability.

The P212 SB-E is a two channels processor with an optional SUB board controller for low frequency reproduction with the AP range of subwoofer's.



**IDEAL FOR**

Theatres  
Radios, TV  
Clubs, Discos  
Restaurants, Bars  
Conference rooms  
Churches, Stadiums  
Sound Effects  
Multi Media

**Special Features**

high efficiency  
low distortion  
electronically controlled

## WORSHIP & HALL Series

### Hall SB Specifications

#### Acoustical

**frequency response** (1)  
55-18'000 Hz ± 3dB

**max. peak SPL** (2)  
119 dB

**power handling**  
140W (AES) (4)

**crossover frequency** (3)  
3500Hz, 24dB per octave

#### Transducers

**LO section**  
2 x 5", long excursion, low distortion cone driver

**HI section**  
1" dome tweeter,  
fabric diaphragm loaded with horn

**system nominal impedance**  
4 or 16 Ohms

**connectors**  
IN / OUT (loop): Neutrik SPEKON NL4MP  
1+, 1-  
2+, 2-, linked

#### Mechanical data

**cabinet**  
10 liters, vented

**mounting system**  
four fasteners M8 screws (top/bottom & sides) AP-U-SB (vertical), C-SB (horizontal) or U-SBS (speaker stand) brackets.

**finish**  
rounded edges and corners, the outer surface is hard-wearing painted (black, white or any RAL colour) front metal grill.

**cabinet size (W x H x D)**  
180 x 450 x 225mm

**weight**  
7 kg

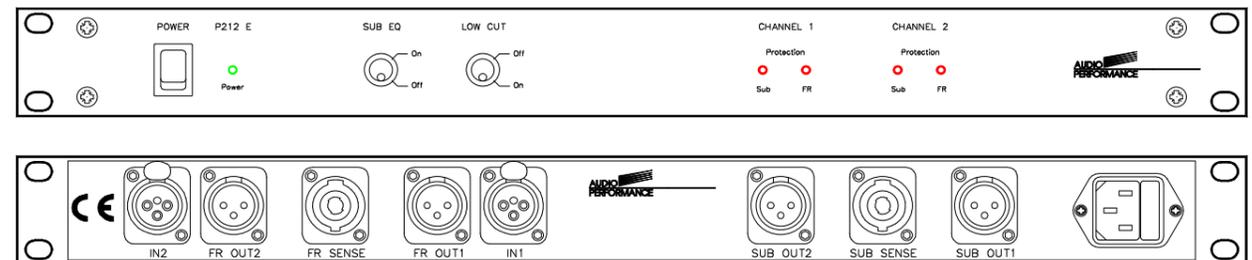
#### Options

AP-C-SB, U-SB or U-SBS brackets  
RAL colour  
Magnetic shielding

## WORSHIP & HALL Series

Ultra compact system

### P212, 2 Channels, 2 Way analogue Processor



The Audio Performance P212 SB is an advanced electronic Processor which will optimise the performance of the Audio Performance SB2 passive loudspeaker system.

The P212 SB contains an electronic processor with frequency response phase alignment circuitry, analogue delays and Audio Performance's exclusive Sense Inputs driver protection circuitry, incorporating true RMS signal limiting.

Sense Inputs driver protection circuitry protects the loudspeaker components from damage due to overheating under high power conditions

This circuit continuously monitors the power applied to the drivers and limits the controller outputs when the safe operating limits of the drivers are exceeded. Until the onset of overload, the Sense Inputs driver protection has no effect on the signal.

Operating at line level, the P212 SB is the final component in the signal chain before the amplifier.

A high pass-filter can be switched to increase the intelligibility for speech applications.

An optional plug-in subwoofer module allows the user to increase the low frequency response of the system, down to 45 Hz

#### Specification & electrical data

##### Front panel

**POWER:** Main switch with Power On indicator: green Led

**SUB EQ switch:**  
Off: SB2 outputs full range, On: SB2

**LOW CUT switch:**  
Off, On

**LIMIT:** Red's LED for SB2 and Sub

##### Rear panel

**MAIN:** Main input with fuse holder and internal voltage switch for 115 - 230 V operation

**INPUTS:** XLR 3pin, 20KW electronically balanced, maximum level +20dBu. Pin 1: GND, Pin 2: +, Pin 3 -

**OUTPUTS:** XLR 3pin, 50W electronically balanced, maximum level +20dBu. Pin 1: GND, Pin 2: +, Pin 3 -

**SENSE INPUTS:** SPEAKON NL4MP 4pin 100KW electronically balanced.

#### Mechanical data

**dimensions:** 19", 1U (483 x 45 x 310mm) W x H x D  
**weight:** 5.5 kg

**shipping dimensions:** 530 x 65 x 430mm W x H x D  
**weight:** 6.5kg