

DX-S5 TWO-WAY HIGH OUTPUT COAXIAL
5-INCH SURFACE MOUNT LOUDSPEAKER



APPLICATIONS

DISTRIBUTED

Bars and Restaurants · Hotels · Casinos
Shopping Malls · Health and Fitness Clubs
Houses of Worship · Presentation Spaces
Sports Facilities · Outdoor Entertainment
Exhibit Halls · Amusement and Theme Parks

DESCRIPTION

The Desono™ DX surface mount loudspeakers provide high efficiency, high output, high intelligibility and low distortion in an attractive design. These loudspeakers install quickly and have the same components and voicing as the DX ceiling loudspeakers. The DX surface mount loudspeakers are equipped with a built-in 70 V/100 V autoformer and low impedance input.

Easily outperforming loudspeakers of a larger size format, the DX-S5 is ideal for installations where space is a premium. With a modern appearance that merges well in most environments, combined with weather-resistant capability suitable for direct outdoor use, the DX-S5 can be used in a wide variety of speech and music applications.

Installation is simple and flexible with Biamp's innovative, patented ClickMount pan-tilt bracket allowing low profile mounting in either vertical or horizontal orientation without moving the bracket position. The power tap switch can be set before the speaker is mounted on the bracket. A ClickMount U-Bracket accessory is also available for low-profile mounting and includes the ClickPlug with an integrated gland nut for weather-resistant applications. Both brackets are theft and tamper resistant.

FEATURES

- High efficiency, high output, high intelligibility, low distortion
- Uniform coverage from coaxially mounted HF/LF drivers
- Innovative ClickMount™ pan-tilt bracket makes installation and aiming easy
- Uniform voicing with DX ceiling loudspeakers
- ETL listed to comply with UL 1480A, CE marked, and RoHS compliant

TECHNICAL SPECIFICATIONS¹

Operating Mode	Passive with DSP		
Operating Environment	Indoor / Outdoor		
Operating Range (-10dB) ²	65 Hz to 20 kHz		
Nominal Beamwidth (H x V)	130°, conical		
Transducers	LF 1 x 5" (127 mm) HF 1 x 1.0" (25 mm) exit compression driver		
Sensitivity ³	93 dB (2.83 V)	93 dB (1W at rated impedance 8 Ω)	
Nominal Continuous Power Handling ⁴	Passive	28 V (100 W @ 8 Ω)	
Nominal Maximum SPL ⁵	Passive	Peak 119 dB	Continuous 113 dB
Autoformer	70V: 60 W, 30 W, 15 W, 7.5 W; 100V: 60 W, 30 W, 15 W		
Recommended Amplifiers	Passive	100 W - 200 W @ 8 Ω, (28 V - 40 V)	
Crossover Frequency	1.6 kHz		
Required Accessory	65 Hz 24 dB/ Oct Electronic high pass filter		

PHYSICAL

Input Connection	Lever-actuated wire clamping 4-position terminal block with pass-through
Controls	Wattage / low impedance selector switch
Mounting Provisions	ClickMount pan-tilt bracket
Certifications	ETL listed to comply with UL 1480A and CSA 62368-1
Environmental Rating	IP54 per IEC 60529, IEC 60068-2-5 (Solar Radiation), IEC 60068-2-11 (Salt Mist), IEC 60068-2-42 (SO ₂), IEC 60068-2-60 (Chlorine)
Dimensions H x W x D	280 x 180 x 185 mm (11.03" x 7.09" x 7.28")
Weight	TBD
Finish	Refer to the Technical Drawing (page 2)
Accessories (included)	ClickMount wall mount
Models (Order by color)	DX-S5-W - White loudspeaker with ClickMount pan-tilt bracket DX-S5-B - Black loudspeaker with ClickMount pan-tilt bracket

OPTIONS

Accessories	ClickMount U-Bracket with ClickPlug (SPA-UBDX100 -B/-W)
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DESONO™ DX-S5

PRELIMINARY

TWO-WAY HIGH OUTPUT COAXIAL
5-INCH SURFACE MOUNT LOUDSPEAKER

TECHNICAL DRAWING / DIMENSIONS / FINISH

H x W x D (loudspeaker only)

280 x 180 x 185 mm
(11.03" x 7.09" x 7.28")

Unit Weight

TBD

Shipping Weight

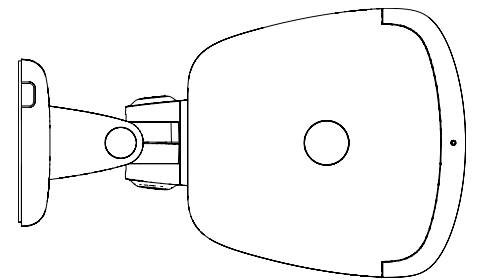
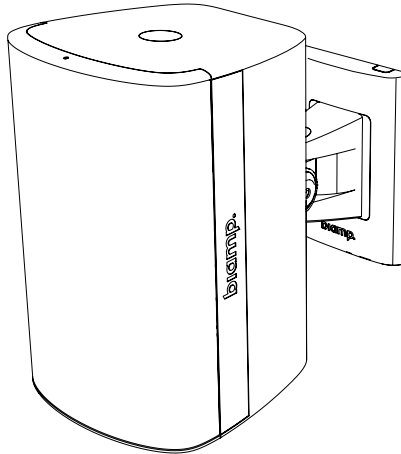
TBD (shipped in pairs)

Grille:

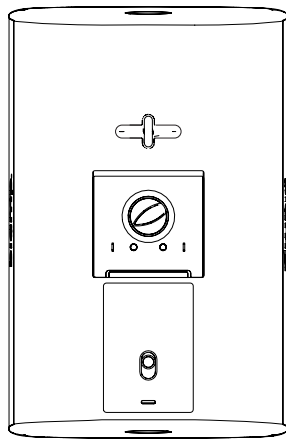
Powder-coated perforated aluminum backed with woven fabric. Black or White finish.

Enclosure / Finish

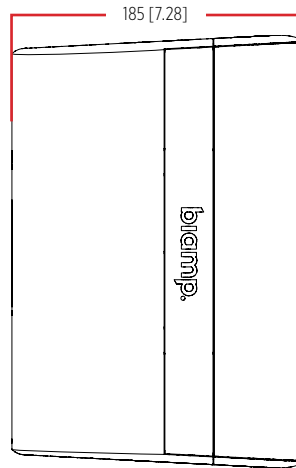
ABS plastic, paintable Black or White finish.



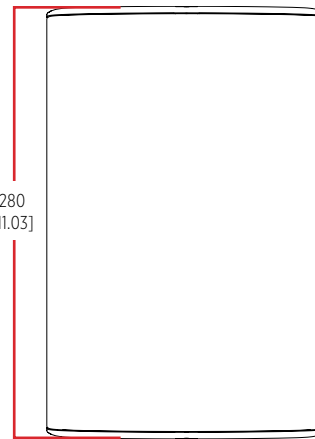
Top with
pan-tilt bracket



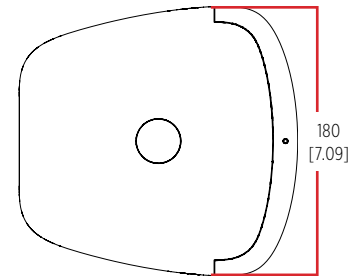
Rear



Side



Front



Top

NOTES

1. TECHNICAL SPECIFICATIONS All measurements are taken indoor using a time-windowed and processed signal to eliminate room effects, approximating an anechoic environment at a distance of at least 6.0 m. All acoustic specifications are rounded to the nearest whole number. An external DSP using settings provided by Biamp is required to achieve the specified performance; further performance gains can be realized using the FIR loudspeaker optimization presets available in Biamp's Amplified Loudspeaker Controllers (ALCs).

2. OPERATING RANGE The frequency range over which the on-axis processed response remains within 10 dB of the average SPL.

3. SENSITIVITY The broadband SPL of the loudspeaker when pink noise is applied (band limited to the loudspeaker's Operating Range) at an input voltage of 2.83 V, in accordance with IEC 60268-5. Also listed for a voltage that would produce 1 watt into the nominal impedance. Measured in whole space with no external processing applied, except where indicated.

4. CONTINUOUS POWER HANDLING The maximum continuous input voltage at the stated nominal impedance that the system can withstand, without damage, for a period of 2 hours using an IEC 60268-5 defined spectrum with recommended signal processing and protection filters.

5. NOMINAL MAXIMUM SPL The SPL produced when an IEC 60268-5 signal is applied to the equalized loudspeaker system, at a level which drives at least one subsection to its rated continuous input voltage limit, referenced to a distance of 1 meter. The peak SPL represents the 2:1 (6 dB) crest factor of the IEC 60268-5 test signal.