

EX-S6 TWO-WAY COAXIAL 6.5-INCH SURFACE MOUNT LOUDSPEAKER



FEATURES

- Exceptional audio clarity with small footprint and attractive styling
- Uniform coverage from coaxially mounted HF/LF drivers
- 5-position switch selects 70V/100V taps or low impedance bypass
- ETL listed to comply with UL 1480A, CSA 62368-1, CE marked, and RoHS compliant
- EN54-24 certified

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™ EX surface mount loudspeakers provide excellent acoustic performance in elegant, attractive aesthetics for a diverse range of indoor and outdoor distributed applications. EX Series includes three two-way, full range models and one matching-enclosure subwoofer. All full-range models include 70V/100V transformers and low impedance inputs. They deliver high voice intelligibility, wide bandwidth and exceptional uniform coverage.

The Desono EX-S6, the smallest member of EX Series, 6.5" two-way surface mount loudspeaker provides discreet, distributed sound in applications requiring exceptional audio clarity with a small visual footprint. With its wide coverage at 110° wide dispersion and flat response down to 100Hz, EX-S6 is optimal for near field listening.

Designed for easy and fast installation, our innovative, patented ClickMount™ brackets provide installers with two distinct mounting options. The ClickMount pan-tilt bracket provides indexed aiming control and allows for mounting EX Series quickly in either vertical or horizontal orientation without moving the bracket position. The ClickMount U-Bracket is also available for low profile mounting or exterior use and includes the ClickPlug with an integrated gland nut for weather-resistant applications. Both brackets are theft and tamper resistant.

TECHNICAL SPECIFICATIONS

Operating Mode	Passive with selectable low-impedance or 70V/100V operation		
Operating Environment	Indoor/Outdoor		
Operating Range	70 Hz to 20 kHz		
Nominal Beamwidth (H x V)	110°, conical		
Transducers	LF 1 x 6.5" (165mm) treated paper cone HF 1 x 1" (25mm) horn-loaded treated soft dome		
Continuous Power Handling @ Nominal Impedance	Passive	40V	200W @ 8 ohms (800W peak)
Nominal Sensitivity @ 1m	Passive	@ 1W 90 dB	@ 2.83V 90 dB
Nominal Maximum SPL	Passive	Peak 119 dB	Continuous 113 dB
Transformer	70V: 80W, 40W, 20W, 10W 100V: 80W, 40W, 20W		
Required Accessories	60 Hz, 12dB/Oct High pass filter, DSP		
Recommended Amplifiers	200W - 400W @ 8 ohms (40V-57V)		

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 <u>or</u> ClickMount U-Bracket
Compliance	ETL listed to comply with UL 1480A, CSA STD C22.2# 62368-1, and CSA STD C22.2# 60950-22 Certified to EN54-24
Environmental Rating	IP54 per IEC 60529
Dimensions H x W x D	13.8" x 8.5" x 8.7" (350mm x 217mm x 220mm)
Weight	TBD
Finish	Refer to the Technical Drawings (page 2)
Models (Order by mounting option)	EX-S6-CM [-B,-W] - loudspeaker with small ClickMount pan-tilt bracket EX-S6-UB [-B,-W] - loudspeaker with ClickMount U-Bracket and ClickPlug

OPTIONS

Accessories	CMX-SM [-B,-W] - Small ClickMount pan-tilt bracket kit EXUB-S6 [-B,-W] - EX-S6 ClickMount U-Bracket kit
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Biamp strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.

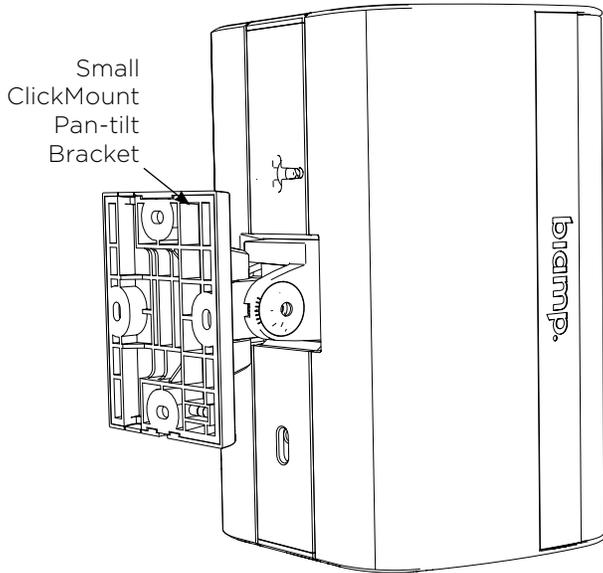
Data presented on this spec sheet represents the basic performance specifications for the model. For a detailed analysis of this loudspeaker's performance, please download the GLL file and/or the CLF file from our website: biamp.com

DESONO

EX-S6 TWO-WAY COAXIAL 6.5-INCH SURFACE MOUNT LOUDSPEAKER

EX-S6-CM

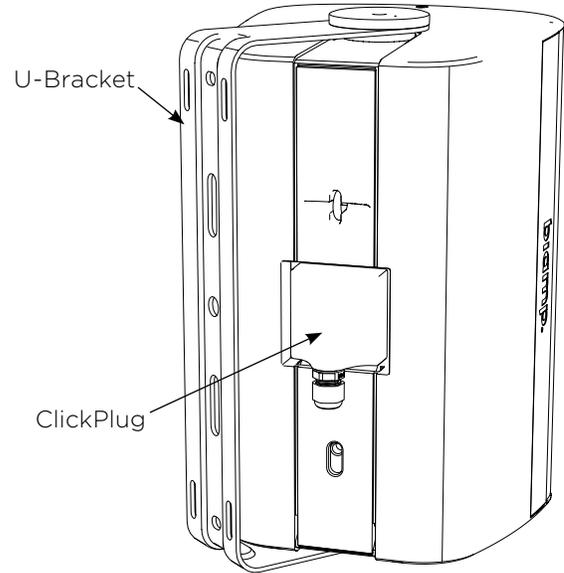
EX-S6 Loudspeaker with ClickMount pan-tilt bracket



Pivot angle (portrait orientation)
Horizontal 120° in 10° increments
Vertical 56° in 8° increments

EX-S6-UB

EX-S6 Loudspeaker with ClickMount U-Bracket and ClickPlug



Pivot angle
200° in 10° increments

TECHNICAL DRAWING / DIMENSIONS / FINISH

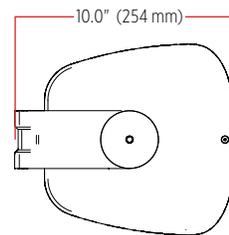
H x W x D
13.8" x 8.5" x 8.7"
(350mm x 217mm x 220mm)

Unit Weight
TBD

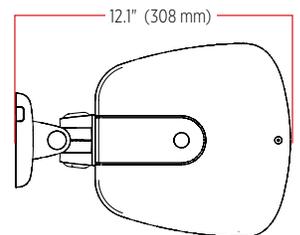
Shipping Weight
TBD

Grille
Powder-coated perforated Marine Grade aluminum backed with hydrophobic cloth
Black or White

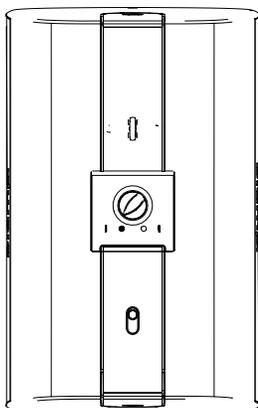
Enclosure / Finish
UL94 5VB rated ABS plastic, matte finish
Black or White



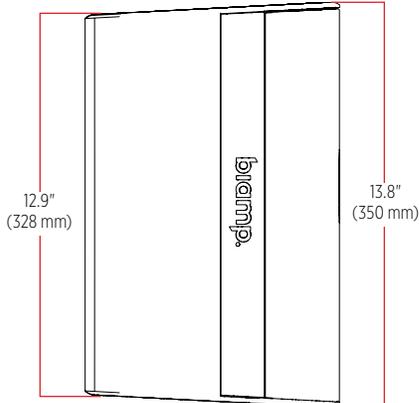
Top (with U-Bracket)



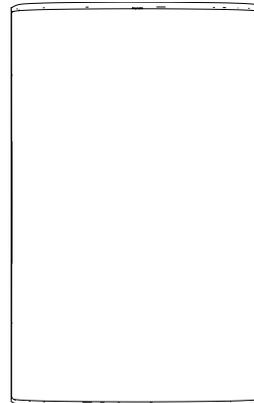
Top (with pan-tilt)



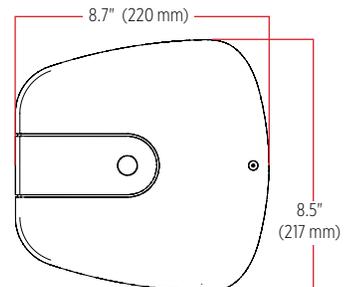
Rear



Side



Front



Top