

DATA SHEET



DESONO™ MASK6CT

TWO-WAY 6.5-INCH SURFACE MOUNT LOUDSPEAKER



FEATURES

- IP64 rated for outdoor applications such as patios or concourses
- Waterproof connector sealing for outdoor applications
- Innovative ClickMount™ bracket allows all audio connections to be made at the bracket
- Integrated spirit level for fast, hassle-free positioning and mounting
- Tap switch allows for 70V/100V or 16 ohm low impedance operation
- Loudspeaker overload protection for 24/7 failsafe operation

TECHNICAL SPECIFICATIONS

Operating Mode	Passive	
Operating Environment	Indoor/Outdoor	
Operating Range (-10dB)	65 Hz to 22 kHz	
Nominal Beamwidth (H x V)	100 x 50	
Transducers	LF 1 x 6.5" (165 mm) coated paper cone HF 1 x 1" (25 mm) soft dome	
Continuous Power Handling @ Nominal Impedance	49V	150W @ 16Ω (600W peak)
Nominal Sensitivity @ 1m	@ 1W 90 dB	@ 2.83V 87 dB
Nominal Maximum SPL @ 1m	Peak 118 dB	Continuous 112 dB
Transformer	70V: 60W, 30W, 15W, 7.5W, 3W 100V: 60W, 30W, 15W, 6W	
Protection	3-step self-resetting protection	
Recommended Amplifiers	150W-300W @ 16Ω (49V - 69V)	

APPLICATIONS

Bars and Restaurants · Hotels · Casinos
Retail Outlets · Health and Fitness Clubs
Houses of Worship · Exhibit Halls
Corporate Meeting Rooms

DESCRIPTION

The Desono MASK6CT two-way, 6.5" surface mount loudspeaker delivers crystal clear sound for all your public address and background music needs. Available in black or white, its 6.5" coated paper cone woofer and a 1" silk dome tweeter results in a high SPL and extremely low distortion, ensuring unprecedented clarity over the entire frequency spectrum.

The MASK6CT utilizes a 5-position switchable transformer ranging from 3W to 60W with low-impedance bypass for constant-voltage operation, making it an excellent choice for large areas of BGM.

Designed with the installer in mind, the MASK6CT ships with the patented ClickMount bracket, enabling all audio connections to be made at the bracket itself. Pre-defined horizontal and vertical notches in the bracket make loudspeaker adjustments fast and repeatable. To complete the installation, simply 'click' the loudspeaker in place.

The Desono MASK6CT is designed for outdoor applications such as patios or concourses, and an ideal choice for both indoor and outdoor distributed audio applications that demand superior speech intelligibility and full range music reproduction.

PHYSICAL

Input Connection	Audio connections made at the ClickMount bracket; lever-action input and output terminals accept up to 16 AWG conductors
Controls	Power tap / low impedance selector switch
Mounting Provisions	ClickMount bracket
Environmental	IP64 per IEC 60529
Dimensions H x W x D	328 mm x 198 mm x 190 mm (12.9" x 7.8" x 7.5")
Weight	4.4 kg (9.7 lbs)
Finish	Refer to the Technical Drawings (page 3)
Accessories (included)	ClickMount bracket; safety cable
Accessory (optional)	MASKCL(-BL/-W): 90° mounting bracket, available in black or white MASKCV(-BL/-W): 2-cluster mounting bracket, available in black or white MASKCW(-BL/-W): 4-cluster mounting bracket, available in black or white

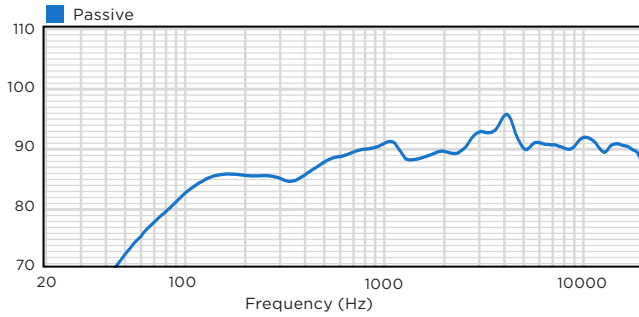
Biamp strives to improve its products on a continual basis. Specifications are therefore subject to change without notice. Data presented on this spec sheet represents the basic performance specifications for the model. For a detailed analysis of this loudspeaker's performance, please download the GLL file from our website: biamp.com



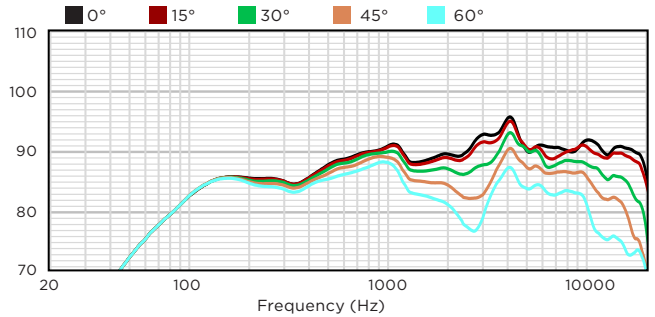
DESONO MASK6CT

TWO-WAY 6.5-INCH SURFACE MOUNT LOUDSPEAKER

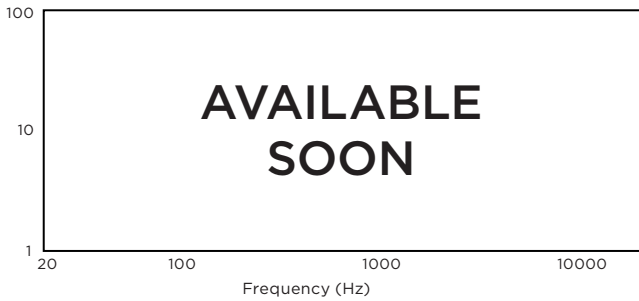
FREQUENCY RESPONSE (dB SPL)



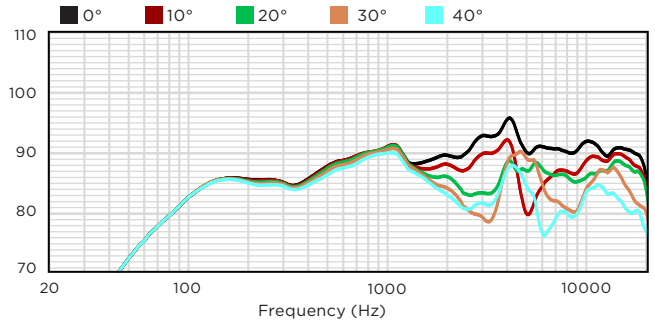
HORIZONTAL OFF-AXIS RESPONSE (dB)



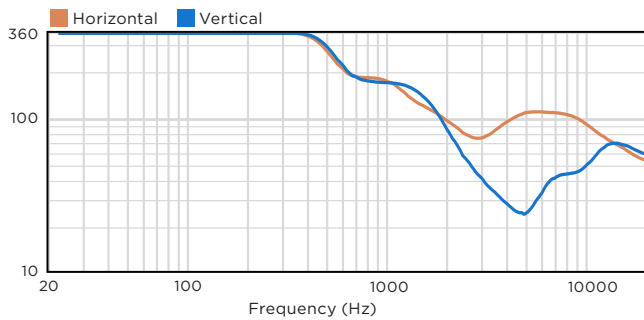
IMPEDANCE (Ohms)



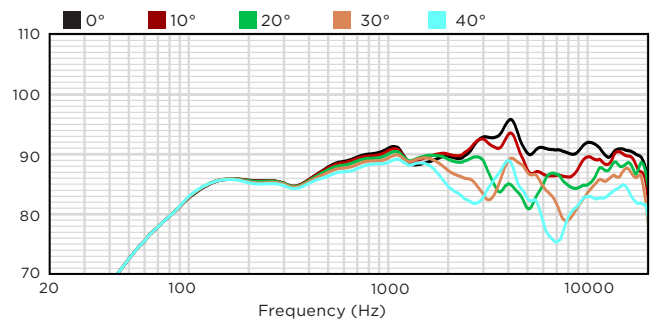
VERTICAL OFF-AXIS UP RESPONSE (dB)



BEAMWIDTH (Degrees)



VERTICAL OFF-AXIS DOWN RESPONSE (dB)



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MASK6CT

TWO-WAY 6.5-INCH
SURFACE MOUNT LOUDSPEAKER

TECHNICAL DRAWING / DIMENSIONS / FINISH

H x W x D

328 mm x 198 mm x 190 mm
(12.9" x 7.8" x 7.5")

Unit Weight

4.4 kg (9.7 lbs)

Grille:

Aluminum

White (RAL 9016) or Black (RAL 9011) finish

Enclosure / Finish

ABS plastic, matte finish, White or Black

