

DATA SHEET

DYNASOUND® DS8000 NETWORKED SOUND MASKING PROCESSOR AND LOUDSPEAKER CONTROLLER



The DS8000 is the industry's first PoE sound masking system designed to use non-proprietary, industry standard network hardware. Using CobraNet™ digital audio network technology the DS8000 is designed to communicate with Dynasound's DS3002/3008 series DSP sound masking processors. Each DS8000 provides from two to four independent sound masking generators, depending on firmware. Each sound masking generator has 1/3 octave band equalization, adjustable high pass and low pass filters. The default configuration provides for two channel (A-B) sound masking and six additional audio channels available for paging and background music functions. Every speaker can be independently controlled or rezoned via network software.

FEATURES

- PoE (Power over Ethernet) provides network audio and power using standard Cat 5 cable
- Eight amplifier channels with full DSP allows detailed configuration of every speaker output
- Provides individual network control for up to eight DS1356 sound masking speakers
- CobraNet digital audio network ready; operates on standard 10-100 base-T networks
- ETL Listed to conform to UL 62368-1 and CSA C22.2 62368-1
- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The network sound masking processor shall be a Dynasound DS8000. The unit shall be designed and approved for installation above suspended ceilings or in open structure environments. The unit shall be PoE and CobraNet™ capable. The unit shall be capable of providing eight independent amplifier channels, designed to power and independently control up to eight Dynasound DS1356 sound masking speakers. Units that do not support individual speaker control, or are designed to control speakers in groups of two or more ganged speakers are not acceptable. The unit shall be designed to operate with industry standard PoE network switches. Units that require proprietary network switches and hardware are not acceptable.

DYNASOUND DS8000 SPECIFICATIONS

Equalization Sound Masking (100Hz - 10kHz): ISO 1/3 Octave Bands Audio (125Hz - 8kHz): ISO 1/1 Octave Bands		Overall Dimensions Height: 7.25 inches (178mm) Width: 5.25 inches (133mm) Depth: 1.75 inches (44mm) Weight: 2 lbs (0.9kg)	
Number of Non-Correlated Masking Sources: 4		Environmental: Ambient Operating Temperature Range: 32 - 104° F (0 - 40° C) Humidity: 0-95% relative humidity (non-condensing) Altitude: 0-6,600 ft (0-2000m) MSL	
Audio Outputs Outputs Connector Type: Captive Screw Terminal Number of Outputs: 8 Nominal Output Impedance: 4Ω		Compliance: ETL listed (USA)	
Network Connection: RJ-45 with Ethernet cable (Cat 5e and above)			
Power: PoE (IEEE 802.3af)			
Included Accessories: Wire Hanger Clip			


USE WITH:

Description	SKU
Networked Sound Masking, Paging, and Music Processor	DS3002
Networked Sound Masking, Paging, and Music Processor	DS3008
Networked Plenum-Rated Loudspeaker	DS1356
70V Low-Profile Loudspeaker	DS1398

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CSMDS-609-2011-EN-R1