

## DATA SHEET

# DYNASOUND® DS3008

## NETWORKED SOUND MASKING, PAGING AND MUSIC PROCESSOR



The DS3008 is designed to provide sound masking, paging and music functions for centralized and networked sound masking systems. Each DS3008 provides four independent sound masking generators, each having 1/3 octave band equalization, adjustable high pass and low pass filters. Additionally, eight balanced line level inputs, eight balanced line level outputs and a matrix mixer facilitate configuring any mix of incoming signals with any of the sound masking generators and then routed to any of the outputs. Input processing includes per channel level control, equalization and configurable “soft-knee” compression. Output processing includes per channel level control for both analog and network audio. This feature provides unique functionality for use in traditional 70V centralized systems, networked addressable systems, or systems combining both approaches.

### FEATURES

- Four sound masking generators with 1/3 octave band EQ, high and low pass filters
- Eight balanced inputs with level controls, equalizers and compressors
- Eight balanced outputs with level control
- Matrix mixer allows any combination of inputs and sound masking to be routed to any of the balanced outputs, or to the network audio
- CobraNet™ digital audio network ready on all inputs and outputs
- ETL listed UL60065
- Covered by Biamp Systems’ five-year warranty

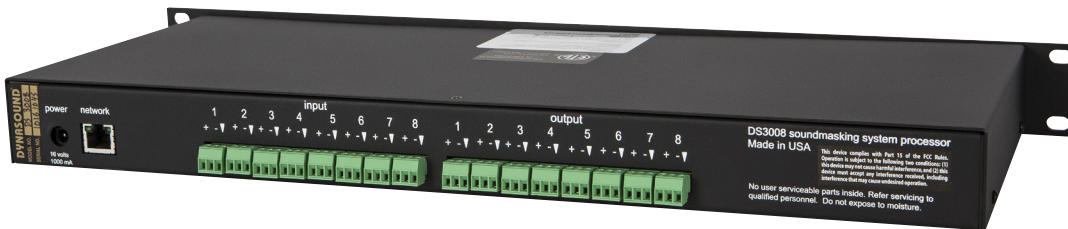
### ARCHITECTS & ENGINEERS SPECIFICATION

The sound masking processor shall be a Dynasound DS3008. The 1 RU DSP 8 x 8 processor shall provide four separate sound masking generators, each having low pass, high pass and 1/3 octave band equalization. The unit shall be equipped with an Ethernet connection (RJ-45) to provide control and monitoring over a standard switched network, or from a single PC. The unit shall provide eight balanced line level inputs for paging and music and shall provide equalization and compression for each input signal. The unit shall provide eight balanced line level outputs and shall incorporate a matrix mixer giving each output (CobraNet™ and balanced outputs) access to any combination of input signals. The unit shall provide CobraNet™ capability for all inputs and outputs. Total harmonic distortion 20 Hz - 20kHz shall be less than .01%. Power consumption shall be 2 watts maximum @ 16VAC.

## DYNASOUND DS3008 SPECIFICATIONS

<b>Frequency Response<sup>1</sup></b>		<b>Network Connection:</b>	RJ-45 with Ethernet cable (Cat 5e and above)
<b>Sound Masking:</b>	100Hz to 10kHz	<b>Power Supply</b>	
<b>Music/Paging:</b>	20Hz to 20kHz	<b>Operating Voltage:</b>	120VAC 50/60Hz
<b>Sound Masking Equalization</b> <b>(125Hz - 10kHz):</b>	1/3 Octave Bands	<b>Output:</b>	16VAC @ 1.0A
<b>Masking</b>		<b>Max. Power Consumption (16VAC):</b>	22W
<b>Number of Masking Zones:</b>	Up to 8	<b>Included Accessories:</b>	Ethernet Crossover Cable
<b>Number of Non-Correlated Masking Sources:</b>	4	<b>Overall Dimensions</b>	
<b>Masking Level Adjustment:</b>	via Privacy Manager Software	<b>Height:</b>	1.75 inches (44mm)
<b>Audio Inputs</b>		<b>Width:</b>	19 inches (483mm)
<b>Input Connector Type:</b>	Captive Screw Terminal	<b>Depth:</b>	8 inches (203mm)
<b>Number of Inputs:</b>	8 (Mono)	<b>Weight:</b>	6 lbs (2.7kg)
<b>Input Level:</b>	Line Level	<b>Environmental:</b>	
<b>Input Level Adjustment:</b>	n/a	<b>Ambient Operating Temperature Range:</b>	14 - 104° F (-10 - 40° C)
<b>Input Impedance:</b>	20kΩ balanced / 10kΩ unbalanced	<b>Humidity:</b>	0-95% relative humidity (non-condensing)
<b>Audio Outputs</b>		<b>Altitude:</b>	0-6,600 ft (0-2000m) MSL
<b>Outputs Connector Type:</b>	Captive Screw Terminal	<b>Compliance:</b>	UL listed (USA) ETL listed
<b>Number of Outputs:</b>	8 (Mono)		
<b>Output Level:</b>	Line Level		
<b>Nominal Output Impedance:</b>	150Ω		
<b>Emergency Mute</b>			
<b>Function:</b>	Optional via Software		
<b>Connector:</b>	DS-CP8200		

## DYNASOUND DS3008 BACK PANEL



## USE WITH:

Description	SKU
Network Sound Masking Processor and Loudspeaker Controller	DS8000
24 Port PoE Switch	DSPoE24
Amplifier (for 70V systems)	DSLG22
Attenuator Panels (for 70V systems)	DSRMP

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