

# DATA SHEET

## VOCIA® DS-4

### DESKTOP PAGING STATION



The DS-4 is a desktop networked paging station for use in Vocola® systems. The DS-4 features embedded DSP and on-board memory to support standard and advanced public address functionalities. The DS-4 can store four user-configurable page codes. Additionally, all device-specific configuration information is stored locally, which means the DS-4 does not rely on a centralized controller for processing and page routing. Thus, the processing, routing and storage functionality in a Vocola system is decentralized, which eliminates any centralized point of failure. As part of the Vocola system, the DS-4 meets paging requirements for facilities of all sizes.

#### FEATURES

- Push-to-talk button with status indication
- Four user-configurable page codes
- Up to 255 software configurable priority paging levels
- Local digital signal processing, including gain, filters, and compressor/limiter
- Local storage of configuration data
- Local storage of default and/or custom preambles
- Built-in store and forward functionality
- CobraNet® audio/control with dynamic use of available bundles, plus power over single Ethernet cable
- Backlit liquid crystal display (LCD)
- Optional PIN to restrict unauthorized use
- Auxiliary Port provides connection for power, line-level audio, and bi-directional RS232 for transmitting Vocola Text Protocol (VTP) commands
- High-quality gooseneck cardioid microphone
- Sturdy component housing
- Rotary ID switches for unit identification
- CE marked and RoHS compliant
- Covered by Biamp Systems' 5-year warranty

#### ARCHITECTS & ENGINEERS SPECIFICATION

The desktop paging station shall be designed exclusively for use with Biamp® Vocola® systems. The desktop paging station shall provide paging audio and control data via CobraNet®, and receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a rear panel RJ-45 connector. Four buttons shall be provided on the front panel for assigning page codes with optional preambles. Multiple desktop paging stations may be connected to a Vocola system by means of Ethernet switches. The desktop paging station shall support up to 255 software configurable paging priority levels. The desktop paging station shall include override, store and forward, and lock-out capabilities. Each desktop paging station shall provide local digital audio signal processing, local storage of configuration data, and preambles. Desktop paging stations shall have a backlit LCD screen, PIN code accessibility and a gooseneck cardioid microphone. The desktop paging station shall be CE marked and shall be compliant with the RoHS directive. Warranty shall be five years. The desktop paging station shall be a Vocola DS-4.

## VOCIA DS-4 SPECIFICATIONS

<b>Network Connection:</b>	RJ45 with shielded Ethernet (CAT5, CAT5e, CAT6 or CAT7)	<b>Power:</b>	802.3af (PoE) Class 2
<b>Frequency Response (100Hz ~ 20kHz):</b>	+0, -1dB	<b>12V DC Out:</b>	50mA
<b>THD+N (100Hz ~ 8kHz):</b>	<0.05%	<b>RS-232:</b>	57600 kbps
<b>Effective Input Headroom:</b>	30dB	<b>Overall Dimensions (excl. microphone):</b>	
<b>System Headroom:</b>	18dB	<b>Height:</b>	2.1 inches (54 mm)
<b>Gain:</b>	Adjustable in 1dB steps over a 30dB range	<b>Width:</b>	9.5 inches (241 mm)
<b>Input Impedance:</b>	3k $\Omega$	<b>Depth:</b>	7.4 inches (187 mm)
<b>Maximum Input:</b>	125dB SPL	<b>Weight:</b>	3.1 lbs (1.4 kg)
<b>Balanced Line In:</b>	-10dB Nominal	<b>Environment:</b>	
<b>Mic Type:</b>	Dynamic microphone with dual transducer (monitored)	<b>Ambient Operating Temperature Range:</b>	23-104° F (-5 - 40° C)
<b>Mic Pattern:</b>	Cardioid	<b>Humidity:</b>	0 - 95% non-condensing
<b>Mic Frequency Response:</b>	100Hz-10kHz	<b>Altitude:</b>	0-10,000 Feet (0-3000 Meters) MSL
<b>Mic Gooseneck Length:</b>	12.5 inches (317.5mm)	<b>Sample Rate:</b>	48kHz
<b>PTT:</b>	Switch contact between pin and ground	<b>A/D Converters:</b>	24-bit
		<b>Compliance:</b>	CE marked (Europe) UL and C-UL listed (USA and Canada) RoHS Directive (Europe)

## VOCIA DS-4 BOTTOM VIEW



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