DATA SHEET
VOCIA® WS-4
WALL PAGING STATION

The WS-4 is a wall-mounted networked Paging Station for use in Vocia® systems. The WS-4 features embedded DSP and on-board memory to support standard and advanced public address functionalities. The WS-4 can store four user-configurable page codes. Additionally, all device-specific configuration information is stored locally, which means the WS-4 does not rely on a centralized controller for processing and page routing. Thus, the processing, routing and storage functionality in a Vocia system is decentralized, which eliminates any centralized point of failure. As part of the Vocia system, the WS-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) technology
- Optional PIN to restrict unauthorized use
- Auxiliary Port provides connection for power, line-level audio, and bi-directional RS232 for transmitting Vocia Text Protocol (VTP) commands
- High-quality, noise-cancelling handheld microphone
- Sturdy, surface-mounted component housing
- Rotary ID switches for unit identification
- CE marked and RoHS compliant
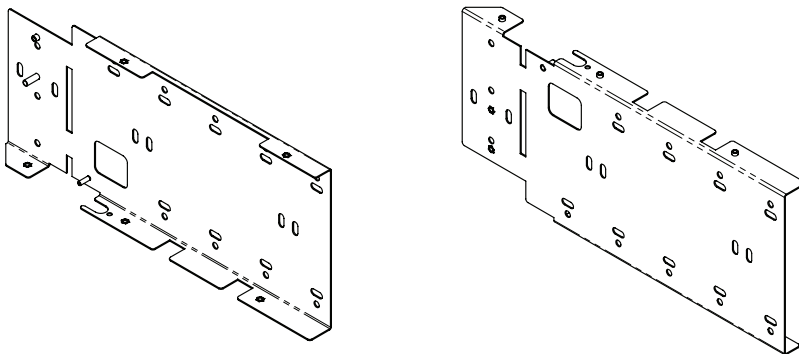- Covered by Biamp Systems' 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The wall-mounted paging station shall be designed exclusively for use with Biamp® Vocia® systems. The wall-mounted 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 wall-mounted paging stations may be connected to a Vocia system by means of Ethernet switches. The wall-mounted paging station shall support up to 255 software configurable paging priority levels. The wall station shall include page priority override, store and forward, and lock-out capabilities. Each wall-mounted paging station shall provide local digital audio signal processing, local storage of configuration data, and preambles. Wall-mounted paging stations shall possess a backlit LCD screen, PIN code accessibility, and a high-quality, noise-cancelling handheld microphone. The wall-mounted paging station shall be CE marked and shall be compliant with the RoHS directive. Warranty shall be five years. The wall-mounted paging station shall be a Vocia WS-4.

VOCIA WS-4 SPECIFICATIONS

Network Connection:	RJ-45 with shielded Ethernet (CAT5, CAT5e, CAT6 or CAT7)	**Power:**	
		PoE:	802.3af Class 2
Frequency Response (100Hz ~ 20kHz):	+0, -1dB	**Aux:**	24V DC 6W
THD+N (100Hz ~ 8kHz):	<0.05%	**Overall Dimensions (excl. microphone):**	
		Height:	5.3 inches (135 mm)
Effective Input Headroom:	30dB	**Width:**	11.9 inches (302 mm)
System Headroom:	18dB	**Depth:**	1.9 inches (48 mm)
Gain:	Adjustable in 1dB steps over a 30dB range	**Weight:**	2.6 lbs (1.2 kg)
		Mic Cord Length (extended):	4 ft. (1219 mm)
Maximum Input:	125dB SPL	**Environment:**	
Mic Type:	Noise cancelling dynamic microphone with dual transducer (monitored)	**Ambient Operating Temperature Range:**	23-104° F (-5 – 40° C)
		Humidity:	0 – 95% non-condensing
		Altitude:	0-10,000 Feet (0-3000 Meters) MSL
Mic Pattern:	Cardioid	**Sample Rate:**	48kHz
Mic Frequency Response:	100Hz-10kHz	**A/D Converters:**	24-bit
Auxiliary Port:		**Compliance:**	
PTT:	Switch contact between pin and ground		CE marked (Europe)
12V DC Out:	50mA		UL and C-UL listed (USA and Canada)
RS-232:	57600 kbps		RINA (Italy)
Balanced Line In:	-10dB Nominal		RoHS Directive (Europe)
Input Impedance:	3kΩ		

VOCIA WS-4 WALL-MOUNTING BRACKETS