

# DATA SHEET

## VOCIA® EWS-10

### EMERGENCY WALL PAGING STATION



The EWS-10 is a wall-mounted networked paging station for use in Vocia® systems. The EWS-10 features embedded DSP and on-board memory to support standard and advanced public address functionalities. The EWS-10 can store 999 user-configurable page codes. Additionally, all device-specific configuration information is stored locally, which means the EWS-10 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 EWS-10 meets paging requirements for facilities of all sizes.

#### FEATURES

- Auxiliary port allows the use of an external 24V compliant power supply for main or redundant power
- Push-to-talk button with status indication
- Up to 999 user-configurable page codes
- Four software configurable emergency priority paging levels
- Supports up to 250 software-configurable paging priority levels
- Local digital signal processing, including gain, filters, and compressor/limiter
- Local storage of configuration data
- Local storage of default and/or custom preambles
- CobraNet® audio/control with dynamic use of available bundles, plus power over single Ethernet cable
- Built-in store and forward functionality
- 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
- EN 54-16 certified, 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® Vocola® 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. Ten buttons shall be provided on the front panel for recalling page codes with preambles. Multiple wall-mounted paging stations may be connected to a Vocola system by means of Ethernet switches. Four software configurable emergency priority paging levels shall be available. The wall mounted paging station shall include 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 EN 54-16 certified, CE marked and shall be compliant with the RoHS directive. Warranty shall be five years. The wall-mounted paging station shall be a Vocola EWS-10.

## VOCIA EWS-10 SPECIFICATIONS

|  |  |   |  |
|--|--|---|--|
| <b>Network Connection:</b>                 | RJ-45 with shielded Ethernet (CAT5, CAT5e, CAT6 or CAT7)             | <b>Power:</b>                                 | 802.3af Class 2  |
| <b>Frequency Response (100Hz - 20kHz):</b> | +0, -1dB   | <b>PoE:</b>                                   | 24V DC 6W  |
| <b>THD+N (100Hz - 8kHz):</b>               | <0.05%   | <b>Aux:</b>                                   |  |
| <b>Effective Input Headroom:</b>           | 30dB   | <b>Overall Dimensions (excl. microphone):</b> |  |
| <b>System Headroom:</b>                    | 18dB   | <b>Height:</b>                                | 5.3 inches (135 mm)  |
| <b>Gain:</b>                               | Adjustable in 1dB steps over a 30dB range                            | <b>Width:</b>                                 | 11.9 inches (302 mm)   |
| <b>Maximum Input:</b>                      | 125dB SPL  | <b>Depth:</b>                                 | 1.9 inches (48 mm)   |
| <b>Mic Type:</b>                           | Noise cancelling dynamic microphone with dual transducer (monitored) | <b>Weight:</b>                                | 2.6 lbs (1.2 kg)   |
| <b>Mic Pattern:</b>                        | Cardioid   | <b>Mic Cord Length (extended):</b>            | 4 ft. (1219 mm)  |
| <b>Mic Frequency Response:</b>             | 100Hz-10kHz  | <b>Environment:</b>                           |  |
| <b>Auxiliary Port:</b>                     |  | <b>Ambient Operating Temperature Range:</b>   | 23-104° F (-5 - 40° C)   |
| <b>PTT:</b>                                | Switch contact between pin and ground                                | <b>Humidity:</b>                              | 0 - 95% non-condensing   |
| <b>12V DC Out:</b>                         | 50mA   | <b>Altitude:</b>                              | 0-10,000 Feet (0-3000 Meters) MSL  |
| <b>RS-232:</b>                             | 57600 kbps   | <b>Sample Rate:</b>                           | 48kHz  |
| <b>Balanced Line In:</b>                   | -10dB Nominal  | <b>A/D Converters:</b>                        | 24-bit   |
| <b>Input Impedance:</b>                    | 3kΩ  | <b>Compliance:</b>                            | EN 54-16 certified<br>CE marked (Europe)<br>UL and C-UL listed (USA and Canada)<br>RCM (Australia)<br>EAC (Eurasian Customs Union)<br>RoHS Directive (Europe)<br>EN 60849, AS 60849 verified |

## VOCIA EWS-10 WALL-MOUNTING BRACKETS

