

# DATA SHEET

## VOCIA® ANC-1

### AMBIENT NOISE COMPENSATION DEVICE



The ANC-1 allows the VociA® system to adjust output levels automatically in response to changes in ambient noise levels. The ANC-1 is a networked device for use with Biamp's VociA amplifiers. It accepts two ambient noise inputs at microphone or line level. Most high-quality dynamic and condenser microphones can be used in conjunction with the ANC-1. Input gain for each of the two inputs is user configurable via the VociA software interface. The ANC-1 processes the ambient noise information using Biamp's adaptive ambient noise compensation algorithm and sends data to the amplifiers to change the output level accordingly. The VociA software interface permits comprehensive adjustment of ANC parameters. The ANC-1 utilizes IEEE compliant Power over Ethernet (PoE) technology.

#### FEATURES

- Automatic, adaptive volume adjustment based on ambient noise sensing and processing
- 48V phantom power
- Wall mountable
- CobraNet audio/control with dynamic use of available bundles, plus power on a single Ethernet cable
- Status LEDs
- Sturdy component housing
- CE marked and RoHS compliant
- Covered by Biamp Systems' 5-year warranty

#### ARCHITECTS & ENGINEERS SPECIFICATION

The ambient noise compensation device shall be designed exclusively for use with Biamp® VociA systems and shall employ an adaptive algorithm to determine appropriate responses to ambient noise in the presence of signals and for a variety of acoustic spaces. The ambient noise compensation device shall accept ambient noise inputs either from one or two standard high-quality sensing microphones or one or two line level sources, and adjust amplifier output levels via CobraNet.® It shall receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a front panel RJ45 connector. The input gain and ANC parameters of the device shall be user-configurable via the VociA software interface. The ambient noise compensation device shall be CE marked and shall be compliant with the RoHS directive. Warranty shall be five years. The ambient noise compensation device shall be a VociA Ambient Noise Compensation 1 (ANC-1).

## VOCIA ANC-1 SPECIFICATIONS

<b>Network Connection:</b>	RJ45 with Ethernet (CAT5, CAT5e, CAT6 or CAT7)	<b>Phantom power:</b>	48 VDC (7mA/input)
<b>Ambient Noise</b>		<b>Overall Dimensions:</b>	
<b>Input Configuration:</b>	2x balanced mic/line level	<b>Height:</b>	1.3 inches (32 mm)
<b>Input Impedance (mic/line balanced):</b>	8kΩ	<b>Width:</b>	9.6 inches (245 mm)
<b>Input gain range:</b>	0 – 66dB	<b>Depth:</b>	4.7 inches (120 mm)
<b>Compensation Range:</b>	± 25dB	<b>Weight:</b>	1.7 lbs (750 g)
<b>Compensation Ratio:</b>	0.25:1 to 4:1	<b>Environment:</b>	
<b>Ramp In/Out Times:</b>	Minimum 1dB/Second; Maximum 10dB/Second	<b>Ambient Operating Temperature Range:</b>	32-108° F (0 – 42° C)
<b>Environment RT<sub>60</sub>:</b>	300ms to 2 seconds	<b>Humidity:</b>	0 – 95% non-condensing
<b>Metering:</b>	Ambient Level; Program Level; Compensation	<b>Altitude:</b>	0-10,000 Feet (0-3000 Meters) MSL
<b>Power:</b>	802.3af (PoE) Class 2	<b>Compliance:</b>	FCC Part 15B (USA) CE Marked (Europe) RCM (Australia) EAC (Eurasian Customs Union) RoHS Directive (Europe)

## VOCIA ANC-1 FRONT PANEL

