

VOCIA® Ambient Noise Compensation 1 (ANC-1) DATA SHEET



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 Amplifier (VA-8600). 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 VA-8600 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’ Warranty

ARCHITECTS & ENGINEERS SPECIFICATION

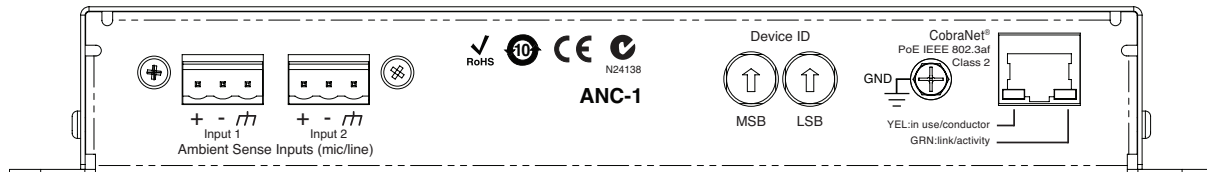
The ambient noise compensation device shall be designed exclusively for use with Biamp® Vocia systems and shall employ an adaptive algorithm to determine appropriate responses to ambient noise in the presence of signals and for a variety of acoustic spaces. The ambient noise compensation device shall 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 rear 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).

Ambient Noise Compensation 1 SPECIFICATIONS

Ambient Noise Input Configuration:	2x balanced mic/line level	Environment RT ₆₀ :	300mS to 2 Seconds
Phantom power:	48 VDC (7mA/input) Compliant with IEC 1938 Plug-in barrier strip connectors	Metering:	Ambient Level; Program Level; Compensation
Input Impedance:	8k ohms (mic/line balanced)	Power:	802.3af (PoE) Class 2
Input gain range:	0dB – +66dB	Overall Dimensions	
Network Connection:	RJ45 with Ethernet/PoE cable (CAT5, CAT5e, CAT6, or CAT7)	Height:	1.279 inches (32 mm)
Compensation Range:	+/- 25dB	Width:	9.646 inches (245 mm)
Compensation Ratio:	0.25:1 to 4:1	Depth:	4.724 inches (120 mm)
Ramp In/Out Times:	Minimum 1dB/Second; Maximum 10dB/Second	Weight:	Approx 1.65 lbs (750 g)
		Ambient Operating Temperature Range:	32-113 degrees F (0-45 degrees C)
		Compliance:	EU Directive 2002/95/EC, RoHS Directive

Ambient Noise Compensation 1 BACK PANEL



Ambient Noise Compensation 1 BLOCK DIAGRAM

