biamp.

Vocia®

ANC-1
OPERATION MANUAL

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BIAMP SYSTEMS 9300 SW GEMINI DRIVE, BEAVERTON, OREGON 97008 U.S.A. 503.641.7287 BIAMP.COM

ANC-1 Product Description

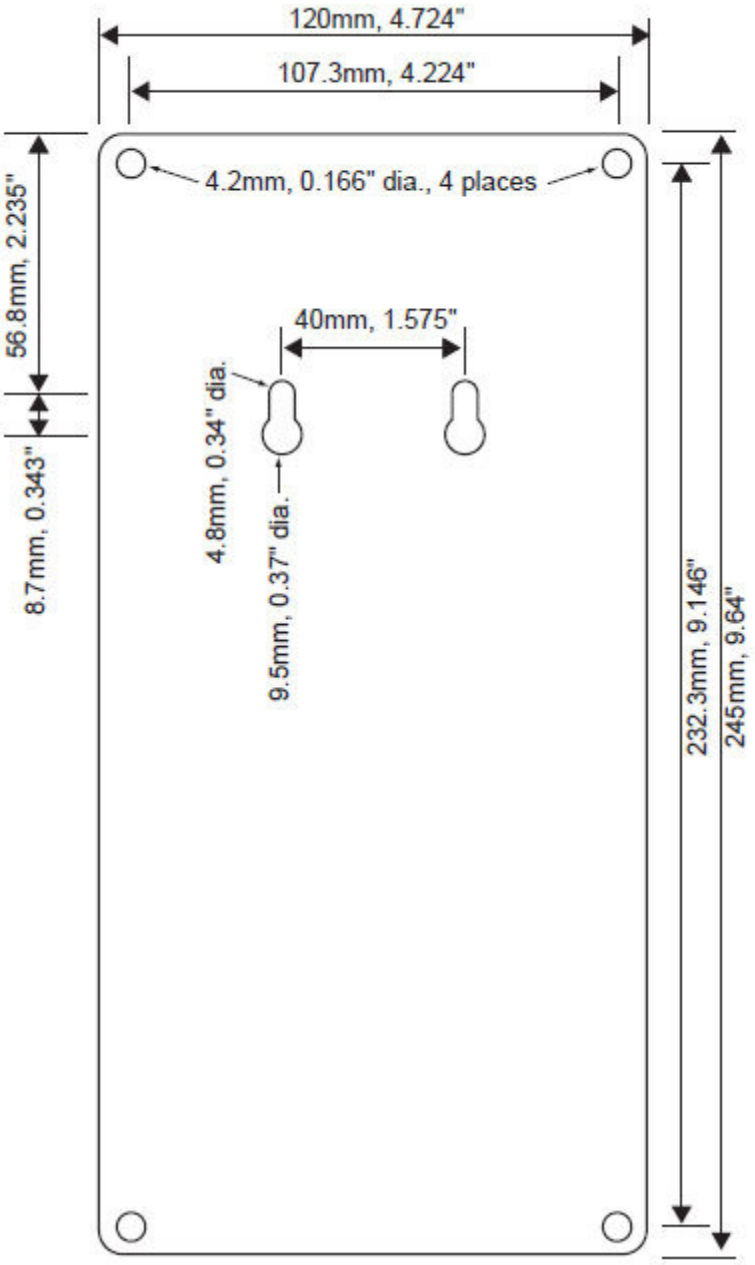
The ANC-1 allows automatic output level adjustments in response to changes in ambient noise levels. The ANC-1 is a networked device for use with the Vocia VA-8600. The Vocia software interface permits comprehensive adjustment of ANC parameters and utilizes IEEE compliant Power over Ethernet (PoE) technology.

Setup and Use

The Vocia software provides an intuitive interface for configuration and programming of the ANC-1. The information supplied by this manual relates to physical connections and assignment. For more details on software setup, please consult the Vocia Help File.

Installation

The ANC-1 can be mounted on a wall using screws through the case flanges (#6 or 6mm diameter X 4) or two screws in the keyholes on the rear (#8 or 4.5mm diameter, max 9mm diameter head).



Device ID

The rotary ID switches give the unit a unique Device ID. The switches are in hexadecimal format. All units of the same device type must have a unique Device ID to function properly within a Vocia Paging World. The Factory Default Device ID is 01. A Device ID of 00 is invalid and cannot be used.

To assign a Device ID of hex 07, leave the MSB switch on 0 and turn the LSB switch to 7. Device ID switches should be set using a 0.1 inch (2.5mm) to 0.12 inch (3.0mm) flat blade screwdriver.

NOTE
Changes made to the Device ID while connected to the network require a power cycle of the device in order to take effect.

CobraNet

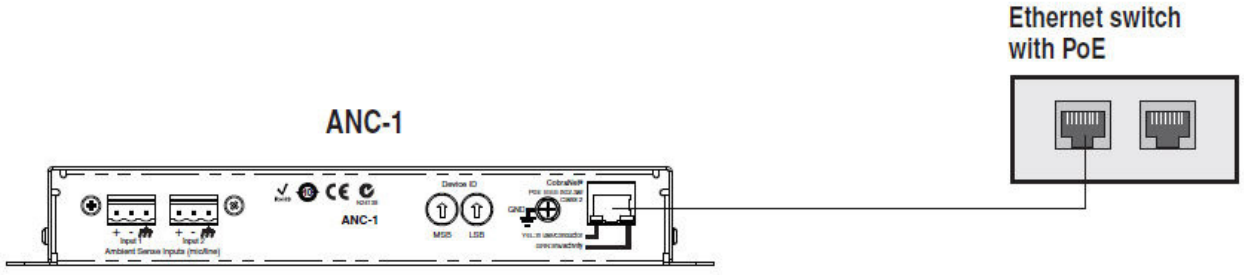
The unit is a CobraNet devices. All CobraNet routing and bundle assignments are processed by the Vocia devices locally. Vocia devices are not interoperable with non-Vocia devices.

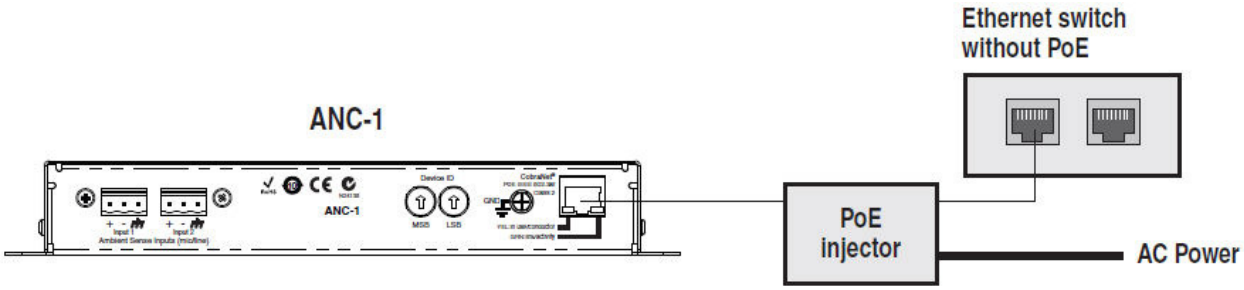
Network Connection

PoE-enabled network switches or PoE midspan adapters must be used to power the unit. These must be 802.3at Type 1 compliant. The maximum cable distance between any unit and an Ethernet switch is 328 feet (100 meters) when using copper cabling. Additional Ethernet switches and/or fiber-optic cable can be used to further extend distances between units on a network. Please note that CobraNet limits network extensions to seven hops (one-way transmissions) within a 100Mb network. If other network traffic shares an Ethernet switch with the Vocia network, a managed switch should be used with separate VLANs.

The connector provides two LEDs that indicate Ethernet link and network activity.

Left LED	Right LED	Description
None	None	No power or data connectivity. Please check the PoE network connection.
Amber	Flashing Green	Link established and CobraNet activity detected (normal operation).
Flashing Amber	Flashing Green	Link established and CobraNet activity detected (normal operation). Unit is operating as CobraNet Conductor.
Flashing Amber	None	CobraNet Fault. Check cabling and configuration for errors.





Ambient Noise Input Connections

Two plug-in barrier-strip connectors on the ANC-1 connect the ambient sensing sources to the device. One or two microphones or line-level sources may be connected (gain adjusted accordingly in the Vocia software interface). Both connections may provide phantom power, switchable from software (default: off). Multiple microphones may be mixed before connecting to the ANC-1.