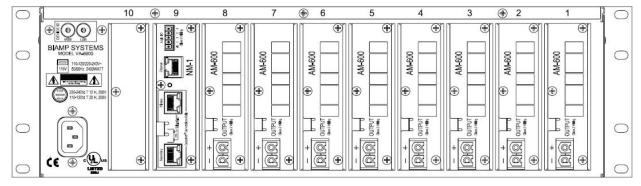**biamp.**

Vocia®

**PARM-1
OPERATION MANUAL**

Installation and Use

To install a VFOM-1, first fit a personal anti-static grounding strap and continue to wear it throughout the following procedure.

- Power down the VA-8600 by removing the power cord. Do not attempt to install the VFOM-1 card in a powered VA-8600 device. In order for the power supply capacitors to discharge, allow the amplifier power to remain off for at least five minutes before proceeding.

- Remove the VA-8600 top cover (6 x #4x¼" self-tapping screws, 3 at front, 3 at rear).

- Viewing the rear of the VA-8600, locate module position 10 as seen in the drawing below. Remove the blank panel from this position (remove 3 x #4x¼" self-tapping screws, slide panel upwards).

- Viewing the amplifier from the top, on the motherboard locate and remove the #4-32 machine screw marked 10 (near connector J10, AUX PWR).

- Fit the PARM-1 module (with ribbon cable attached) by sliding the rear panel into the position formerly occupied by the blank panel.

- Re-fit the three rear panel screws and re-fit the motherboard screw through the PARM-1 mounting bracket (marked MH3 on PARM-1 PCB).

- Locate the NM-1 network module adjacent to the newly fitted PARM-1 module and on the NM-1, locate connector J17 BACK PANEL'.

- Plug the free end of the ribbon cable from the PARM-1 module into J17 of the NM-1 module, ensuring that pins are aligned and that the polarizing stripe on the cable is towards the top of the VA-8600 at both the NM-1 end of the cable and the PARM-1 end of the cable.

- Check that all screws are tight and re-fit the VA-8600 top cover.•

- The PARM-1 module must be enabled in the Vocia software.

The PARM-1 module is now ready for use. When paging is active on an AM-600 amplifier channel, the PARM-1 relay associated with that channel will be energized.

Rear Panel Connections

The rear panel of the PARM-1 has four 6–way connectors, each of which provides connections for two relays.

The relay numbers correspond to the AM-600 amplifier channel of that number (see amplifier channel numbers printed above the AM-600 amplifier modules on the VA-8600 rear panel).

Connections are labeled C, NC and NO. Each relay connects C to NC (Normally Closed) when the relay is de-energized (no paging activity); and C to NO (Normally Open) when the relay is energized (during paging activity).

Connections are via 3.5mm pluggable screw terminal blocks (supplied with PARM-1).

If channel or device failover is enabled for amplifier channels associated with a PARM-1 module, relay contacts must be interconnected in order that the desired functionality is achieved from both the primary and secondary amplifier channels. For example, if channels 1 and 2 of a VA-8600 are configured as a failover-pair relay circuits 1 and 2 on the PARM-1 must be interconnected. If using Normally Open (NO) type connections, wire the C and NO terminals for each in parallel. If using Normally Closed (NC) type connections, wire the C and NC of Relay 1 in series with the C and NC terminals of Relay 2. If the PARM-1 is used in a failover configuration connections between the relays is required.

Ensure that connections to the relays do not exceed the specified maximum ratings.