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VOCIA PRODUCT CATALOG

PRODUCT OFFERINGS
EFFECTIVE MAY 2020

CONTENTS

Powerful.
Scalable. Flexible.

Whether it's on a college campus, in a corporate office building, or at a bustling airport, keeping people informed is any facility manager's top priority. While you can't predict when critical communications need to happen, you can plan for them with Biamp's Vocia Voice Communication System. Much more than just a paging system, Vocia is the gold standard for superior reliability, unparalleled scalability, and exceptional audio quality. Equally adept at servicing a specific area, a single building, an entire campus, or a multi-location enterprise, Vocia can be configured to solve end-users' most critical voice communication needs.

DEPENDABLE – NO MATTER WHAT

Thanks to Vocia's decentralized network architecture, there is no single point of system failure. That means if any device on the network is damaged or goes offline, the remainder of the system will continue to function as normal. With Vocia at the heart of your system, you can always count on sound that moves people.

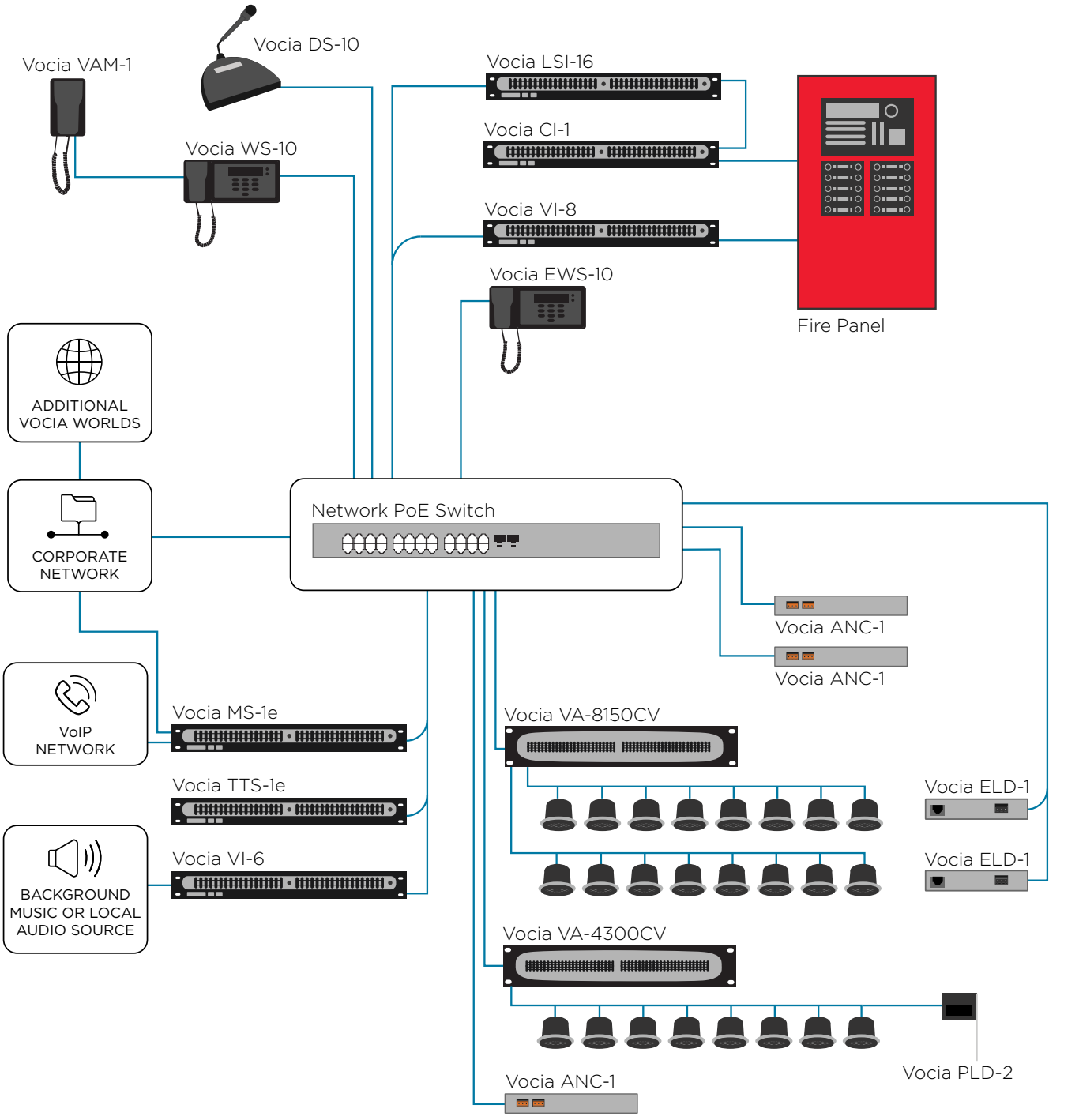
For more information, product details, system design guides, and case studies, visit biamp.com.

COMPLIANT WITH INTERNATIONAL LIFE SAFETY STANDARDS

Vocia products are both National Fire Protection Association (NFPA) Part 72 compliant and EN 54-16 certified, making Vocia solutions compliant with ECS standards in dozens of countries across the world.

SINGLE-WORLD VOCIA SYSTEM INSTALLATION

Vocia provides facilities of all sizes with efficient, flexible Voice Communication Systems with the security and dependability you need. Vocia offers a high degree of scalability, from simple overhead paging applications to advanced communications spanning multiple zones and structures.



AUDIO INPUTS
DESK STATIONS

VOCIA DS-4

The DS-4 is a desktop networked paging station featuring embedded DSP, on-board memory, and PoE supporting both standard and advanced public address functionality. All device-specific configuration information is stored locally, which means the DS-4 does not rely on a centralized controller for processing and page routing.

- Push-to-talk button with status indication
- 4 user-configurable page codes
- 4 software configurable non-emergency priority paging levels
- Local digital signal processing, including gain, filters and compressor/limiter
- PoE (Power over Ethernet)
- Auxiliary Port provides connection for power, line-level audio, and bi-directional RS232 for transmitting Vocia Text Protocol (VTP) commands
- Local storage of default and/or custom preambles
- Built-in store and forward functionality
- CobraNet audio/control with dynamic use of available bundles, plus power over a single cable
- Backlit liquid crystal display (LCD)
- Optional PIN to restrict unauthorized use
- High-quality gooseneck cardioid dynamic microphone with dual transducer (monitored)
- Rotary ID switches for unit identification
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA DS-10

The DS-10 is a desktop networked paging station featuring embedded DSP, on-board memory, and PoE supporting both standard and advanced public address functionality. All device-specific configuration information is stored locally, which means the DS-10 does not rely on a centralized controller for processing and page routing.

- Push-to-talk button with status indication
- Up to 999 user-configurable page codes
- 4 software configurable non-emergency priority paging levels
- Local digital signal processing, including gain, filters and compressor/limiter
- PoE (Power over Ethernet)
- Auxiliary Port provides connection for power, line-level audio, and bi-directional RS232 for transmitting Vocia Text Protocol (VTP) commands
- Local storage of default and/or custom preambles
- Built-in store and forward functionality
- CobraNet audio/control with dynamic use of available bundles, plus power over a single cable
- Backlit liquid crystal display (LCD)
- Optional PIN to restrict unauthorized use
- High-quality gooseneck cardioid dynamic microphone with dual transducer (monitored)
- Rotary ID switches for unit identification
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

AUDIO INPUTS
WALL STATIONS

VOCIA WS-4

The WS-4 is a wall-mounted networked paging station featuring embedded DSP, PoE, and on-board memory to support both standard and advanced public address functionality. All device-specific configuration information is stored locally, which means the WS-4 does not rely on a centralized controller for processing and page routing.

- Push-to-talk button with status indication
- 4 user-configurable page codes
- 4 software configurable non-emergency priority paging levels
- Local digital signal processing, including gain, filters and compressor/limiter
- PoE (Power over Ethernet)
- Auxiliary Port provides connection for power, line-level audio, and bi-directional RS232 for transmitting Vocia Text Protocol (VTP) commands
- Local storage of default and/or custom preambles
- Built-in store and forward functionality
- CobraNet audio/control with dynamic use of available bundles
- Backlit liquid crystal display (LCD)
- Optional PIN to restrict unauthorized use
- High-quality, noise-cancelling handheld microphone with dual transducer (monitored)
- Rotary ID switches for unit identification
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA WS-10

The WS-10 is a wall-mounted networked paging station featuring embedded DSP, PoE, and on-board memory to support both standard and advanced public address functionality. All device-specific configuration information is stored locally, which means the WS-10 does not rely on a centralized controller for processing and page routing.

- Push-to-talk button with status indication
- Up to 999 user-configurable page codes
- 4 software configurable non-emergency priority paging levels
- Local digital signal processing, including gain, filters and compressor/limiter
- PoE (Power over Ethernet)
- Auxiliary Port provides connection for power, line-level audio, and bi-directional RS232 for transmitting Vocia Text Protocol (VTP) commands
- Local storage of default and/or custom preambles
- Built-in store and forward functionality
- CobraNet audio/control with dynamic use of available bundles
- Backlit liquid crystal display (LCD)
- Optional PIN to restrict unauthorized use
- High-quality, noise-cancelling handheld microphone with dual transducer (monitored)
- Rotary ID switches for unit identification
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA EWS-4

The EWS-4 is the emergency, wall-mounted networked paging station used in an EN 54-16 certified life safety system. It features all the same configurable page codes, memory and features as the WS-4 paging station.

- Includes all functionality of the WS-4 paging station
- PoE (Power over Ethernet)
- Push-to-talk button with status indication
- 4 user-configurable page codes
- 4 software configurable emergency priority paging levels
- Built-in store and forward functionality
- EN 54-16 certified, EN 60849 & AS 60849 verified, CE marked, UL listed & RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA EWS-10

The EWS-10 is the emergency, wall-mounted networked paging station certified for use in an EN 54-16 compliant life safety system. It features all the same configurable page codes, memory and features as the WS-10 paging station.

- Includes all functionality of the WS-10 paging station
- PoE (Power over Ethernet)
- Push-to-talk button with status indication
- Up to 999 user-configurable page codes
- 4 software configurable emergency priority paging levels
- Built-in store and forward functionality
- EN 54-16 certified, EN 60849 & AS 60849 verified, CE marked, UL listed & RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA VAM-1

The VAM-1 device is an independent microphone assembly that functions as a slave device to the Vocia Wall and Desk Station (WS-4/10 and DS-4/10) series microphones and to the Vocia Input 6 (VI-6) for paging via the Paging Ports. Up to four VAM-1 slave microphones can be connected per VI-6. The VAM-1 incorporates a PTT switch and has LED indication of the Wait, Talk Now and Unavailable paging states. The microphone latch is magnetic for easy docking to the cradle.

- Slave device to non-emergency Vocia paging stations and VI-6 devices
- PoE (Power over Ethernet)
- Visual feedback of Paging and Zone status
- Suitable for mounting on a wall or desk
- Audio and Control over a single Ethernet cable
- IP30 Compliant
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

AUDIO INPUTS

EXPANSION INPUTS

VOCIA VI-6

The VI-6 is a networked audio input expansion device allowing the user to add up to six channels of background music or user-defined audio to a Vocia system. As part of the Vocia system, the VI-6 meets paging requirements for facilities of all sizes.

- 4 sets of dual RCA connectors, plus terminal block connectors for line-level inputs
- 4 control inputs and 4 control outputs
- 2 microphone/line inputs with phantom power
- PoE (Power over Ethernet)
- Software-configurable local audio signal processing, including gain, filters and compressor/limiter
- Rotary switches for unit identification
- CobraNet audio/control with dynamic use of available bundles
- Status LEDs to indicate signal and clip
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA VI-8

The Vocia Input 8 (VI-8) is designed to facilitate live audio paging from user sources to emergency and non-emergency zones in a Vocia system. The VI-8 will allow direct paging access from eight sources via analog mic/line level inputs or CobraNet digital audio connections. Nine logic inputs can be assigned to various Vocia control events including paging control. A logic output and four relay outputs can be assigned to control events. The logic output may be used to report status from one or several daisy-chained VI-8s to an external system. The logic inputs and output are monitored.

- 8 analog mic/line level or CobraNet inputs
- 1 logic and 4 relay control outputs
- 8 logic inputs
- Device status monitoring via control logic input and output
- Power via dual 24V DC inputs (redundant inputs) power supply included
- Software-configurable signal processing including volume control, filters, compressor/limiting
- Rack mountable (1RU)
- Dual CobraNet ports for redundant Ethernet connections
- Device and logic I/O status monitoring
- Rotary switches for device identification
- IP30 compliant
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA POTS-1

The Vocia Telephone Paging adapter allows a direct connection of two or four analog telephone service (POTS) lines or POTS-based PBX telephone lines. The interface permits live, real-time paging using any page code within the Vocia system. POTS-1 supports Vocia regular and emergency messaging, and will also support page stacking and store-and-forward functionality.

- Two or four POTS lines (POTS-1-2 or POTS-1-4)
- Device monitoring
- Power via dual 24V DC inputs (redundant inputs) power supply included
- Software-configurable signal processing
- Rack mountable (1RU)
- Dual CobraNet® ports for redundant Ethernet connections
- Rotary switches for device identification
- IP30 compliant
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

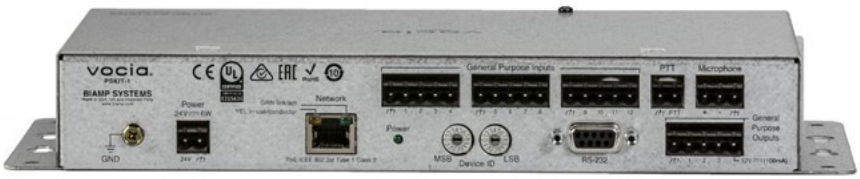
VOCIA VOIP-1

The Vocia Voice over IP Interface (VoIP-1) acts as a SIP end point allowing a direct connection to an existing VoIP call manager. The interface permits live, real-time paging using any page code within a Vocia system. The VoIP-1 supports Vocia regular and emergency messaging, and will also support page stacking and store-and-forward functionality.

- Two or four VoIP lines (VOIP-1-2 or VOIP-1-4)
- Multiple codec support
- Device monitoring
- Power via dual 24V DC inputs (redundant inputs) power supply included
- Software-configurable signal processing
- Rack mountable (1RU)
- Dual CobraNet ports for redundant Ethernet connections
- Rotary switches for device identification
- IP30 compliant
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

AUDIO INPUTS

EXPANSION INPUTS



VOCIA PSKIT-1

The PSKIT-1 is a standalone Paging Station Kit designed to allow for direct connection to third-party equipment such as fireman's microphone stations or custom designed fire panels. The PSKIT-1 features embedded DSP and on-board memory to support standard and advanced public address and mass notification functionalities. The PSKIT-1 can store 999 user-configurable Page Codes. Additionally, all device-specific configuration information is stored locally, which means the PSKIT-1 does not rely on a centralized controller for processing and page routing.

- Up to 999 user-configurable Page Codes
- 8 priority levels: 4 regular priority levels, 4 emergency priority levels
- Local storage of default and/or custom preambles
- Built-in store and forward functionality
- Microphone and Push-to-Talk (PTT) input
- Dual/Redundant Powering (PoE, 24V DC)
- 12 General Purpose Inputs
- 3 General Purpose Outputs
- Rotary ID switches for unit identification
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA VPSI-1

The VPSI-1 device is designed to allow third party microphones and LED indicators to interface as slave devices to the Vocia standard and emergency Wall Station and standard Desk Station (WS-4/10, EWS-4/10 and DS-4/10) series microphones, as well as the Vocia Input 6 (VI-6) device for paging via the Paging Ports. The VPSI-1 can also facilitate third party microphones and control system interfacing with Vocia Wall and Desk Stations. The host Paging Station must be configured for 'Remote control' mode within the software.

- Slave interface to Vocia Paging Stations and VI-6 device
- Visual feedback of Paging and Zone status
- Suitable for surface mounting
- Audio, Power and Control over a single Ethernet cable (PoE)
- IP30 Compliant
- Power is provided by the host device
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

AUDIO OUTPUTS

AMPLIFIERS

VOCIA VA-2060

The VA-2060 is a digital networked two-channel amplifier. It is CobraNet enabled and capable of delivering continuous audio power at 60 Watts RMS per channel. The VA-2060 also has comprehensive failover capability with device-to-device and channel-to-channel failover.

- Two channels of 60W RMS per channel
- Transformer coupled outputs, low impedance (4 or 8Ω) or 25V, 70V or 100V (hardware selectable)
- Comprehensive failover
  - Device-to-device
  - All-to-1 channel
  - 1:1 channel
- Supports Page Active Relay (PAR), ELD-1 and ANC-1
- Local non-volatile storage of emergency messages
- LED status and signal indication
- Software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization and output sensitivity
- CobraNet audio/control with dynamic use of available bundles
- Dual Ethernet ports for redundancy
- Rotary switches for device identification
- Rack mountable (2RU)
- CE marked, UL listed & RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA VA-2060e

The VA-2060e has local analog inputs, dual power supply and is EN 54-16 certified.

- Local background source support with single mic/line analog audio input for each channel (gain-adjustable, switchable phantom power)
- Dual power supply
  - AC Mains
  - Single or Dual 24V DC inputs
- EN 54-16 certified, EN 60849 & AS 60849 verified
- Covered by Biamp Systems'five-year warranty

VOCIA VA-4030

The VA-4030 is a digital networked four-channel amplifier. It is CobraNet enabled and capable of delivering continuous audio power at 30 Watts RMS per channel. The VA-4030 also has comprehensive failover capability with device-to-device and channel-to-channel failover.

- Four channels of 30W RMS per channel
- Transformer coupled outputs, Low impedance (4 or 8Ω) or 25V, 70V or 100V (hardware selectable)
- Comprehensive failover
  - Device-to-device
  - All-to-1 channel
  - 1:1 channel
- Supports Page Active Relay (PAR), ELD-1 and ANC-1
- Local non-volatile storage of emergency messages
- LED status and signal indication
- Software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization and output sensitivity
- CobraNet audio/control with dynamic use of available bundles
- Dual Ethernet ports for redundancy
- Rotary switches for device identification
- Rack mountable (2RU)
- CE marked, UL listed & RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA VA-4030e

The VA-4030e has local analog inputs, dual power supply and is EN 54-16 certified.

- Local background source support with single mic/line analog audio input for each channel (gain-adjustable, switchable phantom power)
- Dual power supply
  - AC Mains
  - Single or Dual 24V DC inputs
- EN 54-16 certified, EN 60849 & AS 60849 verified
- Covered by Biamp Systems'five-year warranty

VOCIA VA-4300CV

The VA-4300CV is a digital networked four channel constant voltage 70V/100V amplifier. It is CobraNet enabled and capable of delivering continuous audio power at 300 Watts per channel. The VA-4300CV also has dual Ethernet ports for redundant CobraNet connectivity, comprehensive failover capabilities (device-to-device and channel-to-channel failover), and dual power inputs.

- Four channels; 300W per channel
- Page active relay
- Comprehensive failover
- Extended audio delay (up to 32 seconds per channel)
- CobraNet audio/control with dynamic use of available bundles
- Flexible line monitoring
- Dual Ethernet ports for network redundancy
- Dual power inputs (100-240V and 2x 48V DC)
- Rack mountable (2RU)
- EN 54-16 Certified, CE marked, UL listed & RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA VA-8150CV

The VA-8150CV is a digital networked eight channel constant voltage 70V/100V amplifier. It is CobraNet enabled and capable of delivering continuous audio power at 150 Watts per channel. The VA-8150CV also has dual Ethernet ports for redundant CobraNet connectivity, comprehensive failover capabilities (device-to-device and channel-to-channel failover), and dual power inputs.

- Eight channels; 150W per channel
- Page active relay
- Comprehensive failover
- Extended audio delay (up to 32 seconds per channel)
- CobraNet audio/control with dynamic use of available bundles
- Flexible line monitoring
- Dual Ethernet ports for network redundancy
- Dual power inputs (100-240V and 2x 48V DC)
- Rack mountable (2RU)
- EN 54-16 Certified, CE marked, UL listed & RoHS compliant
- Covered by Biamp Systems' five-year warranty

AUDIO OUTPUTS

AMPLIFIERS

VOCIA VA-8600

The VA-8600 is a networked multi-channel amplifier. It is CobraNet enabled and features eight channels of modular amplification and DSP with optional channel-to-channel or device-to-device failover.

- Modular based design
- Amplification modules with software configurable power levels/load options
  - 8 amplification modules per frame with 100 to 600 Watts per module (maximum of 2400W peak per chassis)
  - 70V or 100V with direct drive capability, or low-impedance (4Ω or 8Ω) operation
- Maximum of 2400 Watts of power in a device
- Failover capability between channels and amplifiers
- Local non-volatile storage of emergency messages
- LED indication:
  - Amplifier failure
  - Clip present
  - Fan stuck-rotor
  - Heat sink temperature fault
  - Signal peak
  - Signal present
- Software monitoring features:
  - Amplifier failure
  - Excessive clipping
  - Fan stuck-rotor
  - Heat sink temperature fault
  - Peak present
  - Short circuit on output
- Software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization and output sensitivity
- CobraNet audio and control data over
- a single Ethernet cable
- Dual Ethernet ports for redundancy
- Heavy duty removable terminal block connectors for speaker line connections
- Rotary switches for unit identification
- Rack mountable (3RU)
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA VA-8600c

The VA-8600c is a networked multi-channel amplifier. It is CobraNet enabled and features eight channels of modular amplification and DSP with optional channel-to-channel or device-to-device failover and is EN 54-16 certified.

AUDIO OUTPUTS

SPECIALTY VA-8600 MODULES

AM-600

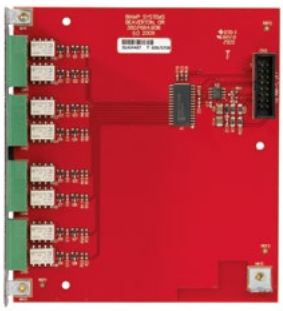
Basic Amplifier Module for VA-8600.

› 100 to 600 Watts per module
› Low impedance (4, 6, 8Ω), 70-Volt or 100-Volt line direct drive
› Power levels/load options are software configurable
› Front-panel LED indication for module fault, activity and signal presence
› UL listed and RoHS compliant
› Covered by Biamp Systems' five-year warranty

AM-600c

Amplifier module with standards-compliant ground fault detection for VA-8600.

› 100 to 600 Watts per module
› Low impedance (4, 6, 8Ω), 70-Volt or 100-Volt line direct drive
› Power levels/load options are software configurable
› Front-panel LED indication for module fault, activity and signal presence
› Reports fault upon detection of short to ground on speaker line, where this short would compromise capability of amplifier to deliver emergency messages
› EN 54-16 certified, EN 60849 & AS 60849 verified, UL listed and RoHS compliant
› Covered by Biamp Systems' five-year warranty



PARM-1

Page Active Relay Module for VA-8600 (optional).

› Allows control of external devices during paging (e.g. attenuator over-ride relays)
› Suitable for the VA-8600 Option Slot
› Powered from and controlled by the VA-8600
› 8 relay circuits
› Connections via 3.5mm pluggable screw terminal blocks
› UL listed and RoHS compliant
› Covered by Biamp Systems' five-year warranty

VFOM-1

The failover module is for use in the VA-8600/VA-8600c amplifiers (optional). It offers selectable 7:1 or dual 3:1 channel failover.

› 7:1 channel failover
OR
Two sets of 3:1 channel failover
› EN 54-16 certified, EN 60849 & AS 60849 verified, UL listed and RoHS compliant
› Covered by Biamp Systems' five-year warranty

AUDIO OUTPUTS

EXPANSION OUTPUTS

VOCIA VO-4

The VO-4 is a networked audio output expansion device allowing the user to add four line-level output channels to a Vocia system. The VO-4 accepts four channels of digital audio input via CobraNet and provides four line-level analog audio outputs. The VO-4 features embedded DSP and on-board memory to process and store all device-specific configuration information locally and includes comprehensive fixed-chain digital signal processing.

- Converts digital audio to analog audio
- 4 removable terminal block connectors for line-level outputs
- 4 control inputs and 4 control outputs
- PoE (Power over Ethernet)
- Software-configurable local audio signal processing, including gain, filters and compressor/limiter
- Rotary switches for unit identification
- Power over Ethernet (PoE)
- CobraNet audio/control with dynamic use of available bundles
- Status LEDs to indicate signal and clip
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA VO-4e

The VO-4e is an enhanced networked audio output expansion device allowing the user to add four line-level and CobraNet output channels to a Vocia system. The VO-4e can be configured for channel-to-channel or device-to-device failover and uses comprehensive fixed-chain digital signal processing within the device, including volume control, ducking, equalization, compressor/limiter, speaker crossover, delay, and output gain. Emergency messages for life safety systems are stored in non-volatile memory. Two RJ45 connectors on the rear panel of the device provide redundant connectivity to process control data, audio and power over a single Ethernet cable. In addition to this the VO-4e also has dual inputs for accepting power from an auxiliary supply. The per-channel paging relay provides a contact closure when paging is active on an associated channel.

- CobraNet audio output
- Channel-to-channel and device-to-device failover
- Local non-volatile storage of Emergency Messages
- Dual PoE capable with alternate powering from auxiliary 24V DC supply (dual inputs)
- LED status and fault indication
  - Chassis Fault, Activity and Status
  - PoE Power
  - Aux Power
  - Output Channel Amp Fault, Activity and Signal Present
- Four Page Active Relays, Control Inputs and Control Outputs
- Speaker line monitoring and ambient noise compensation using ELD-1 and ANC-1
- Software-configurable signal processing including volume control, filters, compressor/limiting, delay, speaker equalization, and output level
- CobraNet audio/control with dynamic use of available bundles over single Ethernet cable
- Dual CobraNet ports for redundancy
- Rotary switches for device identification
- IP30 Compliant
- CE marked, UL listed and RoHS compliant
- Rack mountable (1RU)
- Covered by Biamp Systems' five-year warranty

MONITORS

VOCIA ANC-1

The ANC-1 allows automatic output level adjustments in response to changes in ambient noise levels. The Vocia software interface permits comprehensive adjustment of ANC parameters and utilizes IEEE compliant Power over Ethernet (PoE) technology.

- Automatic, adaptive volume adjustment based on ambient noise sensing and processing
- 48V phantom power
- PoE (Power over Ethernet)
- Wall mountable
- CobraNet audio/control with dynamic use of available bundles, plus power on a single Ethernet cable
- Status LEDs
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA ELD-1

The ELD-1 is a networked safety device for use with all Vocia amplifiers and is an integral part of standards-compliant voice evacuation and paging notification systems.

- Line monitoring
- Looks for inaudible signal from Vocia amp module
- PoE (Power over Ethernet)
- Reports shorts or opens in the speaker line to the network
- Surface mountable
- Status LED
- Removable terminal block connector
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA PLD-1 AND PLD-2

The PLD is a line-monitoring device for use with several Vocia amplifiers. It offers a simple and cost effective supervision method for many types of installed paging speakers, and can monitor up to a maximum length of 1.3km (4,300ft) of speaker cable.

- No additional cabling required
- Easy to install
- Compatible with most installed loudspeakers
- Maximum speaker cable length: 1.3km of non-branching speaker line
- PLD-1 is compatible with VA-8600; PLD-2 with VA-4300CV and VA-8150CV
- Covered by Biamp Systems' five-year warranty

CONTROLLERS

VOCIA GPIO-1

The GPIO-1 provides 16 general purpose inputs and outputs to control various aspects of a Vocia system. The GPIO-1 is a monitored device and can be used with an LSI-16e in life safety applications where more logic inputs or outputs are required. The GPIO-1 has dual powering from PoE Ethernet ports and alternate powering from dual 24V DC inputs. In the event of power loss, changeover between power sources will provide uninterrupted operation.

- 16 general purpose logic inputs and outputs
- Device monitoring
- Able to be used to directly interface with fire alarm and emergency equipment
- PoE capable with alternate powering from auxiliary 24V DC supply (dual inputs)
- Software-configurable
- Control over a single Ethernet cable
- Dual Ethernet ports for redundancy
- Rotary switches for device identification
- IP30 Compliant
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA WR-1

The WR-1 is a networked wall remote designed to control background audio in user-defined music zones. Utilizing Power over Ethernet (PoE) technology, it allows users to select background music sources, inhibit pages and mute sources—all from an attractive, low-profile, wall-mounted panel.

- Wall mountable (US 2-gang)
- PoE (Power over Ethernet)
- Backlit liquid crystal display (LCD)
- Rotary switches for unit identification
- Software-configurable settings, including volume, source selection, paging inhibit and mute source control
- CE marked and RoHS compliant
- Covered by Biamp Systems' five-year warranty

MESSAGING PROCESSORS /INTERFACES

VOCIA LSI-16

The LSI-16 serves as an emergency interface between a Vocia system and emergency/fire alarm systems. While typically powered from a certified 24V DC source, it can also utilize Power over Ethernet (PoE).

- Parallel I/O ports for direct interface with fire alarm and emergency equipment
- 8 monitored I/O and 8 control inputs
- Redundant network connection and power supply options
- Power and data over a single Ethernet cable
- Local storage of configuration data
- Rotary switches for unit identification
- Accepts the Interface Module 16 (IM-16) for 16 additional general purpose inputs
- Status LEDs
- Rack mountable (1RU)
- Up to 4 discrete emergency inputs
- Up to 500 virtual inputs via RS232 port or Ethernet
- UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA LSI-16e

The LSI-16e is an enhancement to the LSI-16 adding 16 additional control inputs and EN 54-16 certification. The LSI-16e serves as an enhanced emergency interface between a Vocia system and emergency/fire alarm systems. While typically powered from a certified 24V DC source, it can also utilize Power over Ethernet (PoE).

- Parallel I/O ports for direct interface with fire alarm and emergency equipment
- 8 monitored I/O and 8 control inputs
- Redundant network connection and power supply options
- Power and data over a single Ethernet cable
- Local storage of configuration data
- Rotary switches for unit identification
- Up to 4 discrete emergency inputs
- 16 additional general purpose inputs can be programmed to play emergency message, enable zone reset or zone silence; maximum 10 inputs can be assigned per emergency zone
- Each general purpose input can be programmed as TTL, high range or monitored high range
- General purpose inputs allow monitoring for short to ground and open circuit
- Up to 500 virtual inputs via RS232 or Ethernet
- Provides system heath monitoring via RS232 or Ethernet
- Status LEDs
- Rack mountable (1RU)
- EN 54-16 certified, EN 60849 & AS 60849 verified, CE marked and RoHS compliant
- Covered by Biamp Systems' five-year warranty

IM-16

The Interface Module 16 physically fits into the LSI-16 option slot. The IM-16 offers an additional 16 control inputs that can be configured in the Vocia software as alarm, fault or reset inputs.

- 16 control inputs
- Each input can be programmed as TTL, high range or monitored high range
- Monitoring for short-to-ground, open circuit and over voltage
- Suitable for the LSI-16 option slot
- Power, processing and indication by the LSI-16
- Cable connections via pluggable screw terminal blocks
- EN 54-16 certified, EN 60849 & AS 60849 verified, UL listed and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA CI-1

The CI-1 Control Interface is a companion product to the Vocia LSI-16 Life Safety Interface. It facilitates necessary connections to the LSI-16/LSI-16e to meet EN 54-16 standards.

- High reliability switches for Local Sounder Silence, System Test and System Fault Reset
- High level sounder for Fault/Alarm warning
- Dual 24V DC power summing with power loss fault connection
- Provides terminating resistors for Alarm and Fault Inputs
- Provides terminating resistors for any unused monitored outputs
- Current limited reference voltage output
- Rack mountable (1RU)
- EN 54-16 certified, EN 60849 & AS 60849 verified, CE marked and RoHS compliant
- Covered by Biamp Systems' five-year warranty

VOCIA MS-1e

The MS-1e is a networked message server that supports multiple paging functions within a Vocia system—including message playback, event scheduling, VoIP paging interface, logging and remote access.

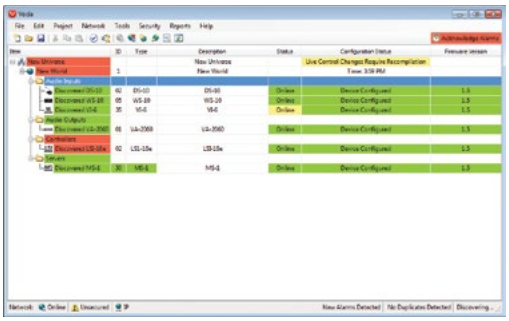
- Recorded message storage and playback
- Event scheduling
- Storage of logged system data
- VoIP paging interface
- Inter-world paging support
- System configuration storage and service
- Email reporting
- Time server support
- CobraNet audio/control with dynamic use of available bundles over single Ethernet cable
- Remote third party control capability
- Status LED
- Separate Ethernet ports for TCP/IP Control, CobraNet and VoIP
- Rotary switches for unit identification
- Rack mountable (1RU)
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' two-year warranty

VOCIA TTS-1e & TTS-1nce

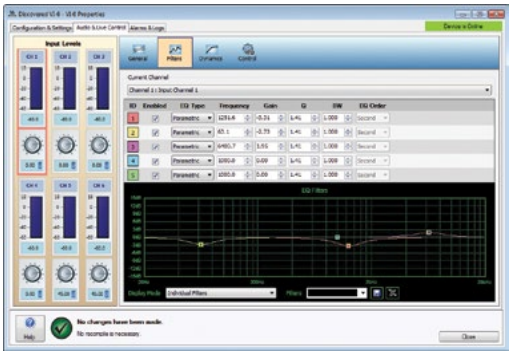
The TTS-1e and the TTS-1nce are designed to work in conjunction with a Vocia Message Server 1e (MS-1e) to enable text to speech messaging as part of a Vocia system solution. The TTS-1e and TTS-1nce use Ethernet-based control protocols in conjunction with Cobranet to function within a Biamp Vocia system and constructs announcements using a set of user-defined templates.

- Text-to-speech announcement creation via web interface
- Announcements in multiple languages and voices
- User-defined templates
- Status LED
- Ability to interface with 3rd party control systems via IP (TTS-1e VTP)
- Rotary switches for unit identification
- Rack mountable (1RU)
- Vocia Message Server-1e (MS-1e) required for operation
- CE marked and RoHS compliant
- Covered by Biamp Systems' two-year warranty

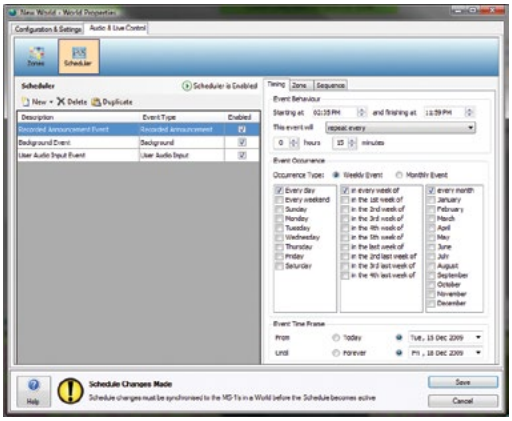
DESIGN SOFTWARE



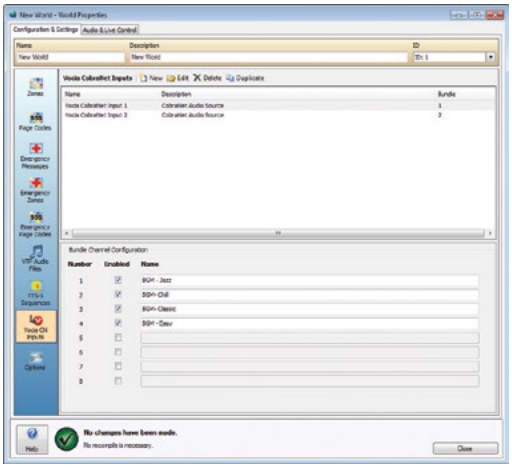
The main screen of the Vocia software provides an easy, at-a-glance overview of your universe, whether it contains a single world or several. This hierarchical view lists all devices included in the Universe by World, Device ID, online and configuration status, along with the loaded firmware version. The colors indicate the health of each device listed. An overall system alarm tab (“Acknowledge Alarms” in the upper right corner) flashes when an alarm or fault is detected in the system.



The software is designed for ease-of-use and intuitive interfacing. Most of Vocia’s devices offer fixed-chain DSP parameter adjustment and live control. This screen shows the properties sheet of the VI-6 with its audio and live control settings; filters are applied to the input levels, representing one possible configuration. The filters are displayed as individual lines in the EQ filter graphic.



The scheduler feature (requires an MS-1e to be available—found under world properties by double clicking on the world icon) is used to configure schedules for recorded announcements, background events (e.g. background music coordinated with the time of day) and user audio input events (e.g. an announcement that broadcasts for a certain period of time in a specified zone).



Features of the Vocia software are designed to interface to any CobraNet audio system using explicit bundle numbers. Now you can expand existing audio systems and add Vocia functionality for critical paging and voice evacuation.

NOTE: A VO-4 or VO-4e is required for each four CobraNet outputs from Vocia into Audia. For example, if 10 outputs are required from Vocia into Audia, three VO-4s or VO-4e's will be required to establish the outputs. No additional hardware is required for inputs to Vocia from Audia.

The Vocia TTS-1e Text-to-Speech server supports a windows client that is used to enter the text segments for speech conversion. The LSI-16/LSI-16e supports a browser interface for remote monitoring of emergency faults.

CONTACT US

SUPPORT

When you need help, you don't want long hold times or confusing voicemail systems. That's why we've streamlined our support process and created a dedicated support phone number. You can reach our award-winning Support team 24 hours a day, from anywhere in the world. If you're located in the U.S. or Canada, dial 1-877-242-6796 (1-877-BIAMP-XO). If you're located elsewhere, we'd still love to hear from you. Call us at +1-503-718-9257.

Prefer to troubleshoot on your own? That's great too. Check out Cornerstone, our online technical support knowledgebase, at support.biamp.com. You'll find dozens of detailed articles designed to help you stay on track.

For training and how-to videos, visit the Biamp channel on YouTube. Our channel is optimized to help you quickly find what you're looking for. Trainings are organized by topic and we've crafted playlists to help you find groups of videos that pertain to a certain topic. Now, it's easier than ever to get the training and technical support you need from Biamp.

TRAINING

We offer self-paced online training courses and webinars, including online certification courses for some of our product lines. In addition, in-person training courses are available at our training center in Dubai, and members of our Applications Engineering team host informal Vocia training seminars while visiting customers to discuss projects. To learn more about our training classes visit biamp.com/training.

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Learn more at biamp.com/vocia

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