

#### 1200101001

# VAIA-AC

- 4 Channel Public Address Amplifier and Controller AC Version
  - COMPACT DESIGN: ALL IN ONE 1U 19" ENCLOSURE
  - HIGH POWER DENSITY: DELIVERS UP TO 1000W RMS @ 100V
  - FLEXIBLE AMPLIFICATION: 4 DUTY AMPLIFIER CHANNELS AND 1 STANDBY. POWER PARTITIONING UP TO 500W RMS
  - 4 INDIVIDUALLY MONITORED LOUDSPEAKER LINE CONNECTIONS PER AMPLIFIER
  - ENERGY EFFICIENT WITH MINIMAL POWER CONSUMPTION
  - INTEGRATED SUPERVISION WITH BUILT-IN MONITORING AND ADDED REDUNDANCY FOR ENHANCED RELIABILITY
  - SUPERIOR AUDIO QUALITY FOR EXCEPTIONAL CLARITY
  - UNIVERSAL AC POWER SUPPLY
  - IP ENABLED WITH SEAMLESS AUDIO AND CONTROL



Public Address Commercial Audio

# Description

The VAIA-AC is engineered to meet the highest standards, integrating amplification, digital signal processing, a universal AC power supply, and comprehensive control into a compact 1U package. This design provides a cost-effective solution for delivering flexible zoned live and automated paging, as well as background music, for small, centralized installations.

With built-in IP networking capabilities, the VAIA makes it easy to create distributed systems that scale to meet complex requirements. Its state-of-the-art lowdistortion Class D amplifiers, integrated redundancy, and voice alarm-style monitoring ensure superior performance. This makes the VAIA an ideal choice for installations where redundancy, audio quality, and maximum efficiency are critical.

This compact 1U design maximizes the use of available space in any installation cabinet. Additionally, the all-in-one approach significantly simplifies installation by minimizing the need for complex interconnecting cable looms, making delivery, setup, and testing faster and more efficient.

The patented next-generation amplifier topology, combined with advanced 32-bit internal processing, delivers a high signal-to-noise ratio, minimal distortion, and a full 20 Hz to 20 kHz frequency response. This ensures exceptional audio quality, enhancing intelligibility and creating an improved listening experience across all applications.

Utilizing a compact and patented architecture to deliver a total of 1000 W across four independent amplifier channels, with each channel capable of providing up to 500 W. An innovative auto-sleep feature enhances energy efficiency by reducing quiescent power consumption, meeting the demands of modern systems without compromising reliability or audio performance.

#### Available in three models:

The VAIA range has three variants, each with its own power supply module: VAIA-AC, which operates solely on a universal AC mains supply; VAIA-48V, designed for DC-only operation; and VAIA, which supports both AC and DC power and is fully EN 54 certified for emergency use. This flexibility allows you to choose the most cost-effective model for your application while maintaining consistent configuration and deployment methodologies across all models.

# **Used With**

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certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.



## ANS04-ES

Wall Mount Sample and Hold Ambient Noise Sensor

## EMS10

### EMS10

Wall Mount Emergency Mic with 10 Buttons



## DANS01

Wall Mount Dynamic Ambient Noise Sensor

## EMS20

#### EMS20

Wall Mount Emergency Mic with 20 Buttons



## BMB02

Din Rail Mount I/O Expansion Device



### MPS01-G

Desk Mount Paging and Emergency Microphone - Gooseneck



Wall Mount Emergency Mic - Single

### MPS10-G

EMS01

Button

Desk Mount Paging and Emergency Microphone with 10 buttons - Gooseneck



## MPS20-G

Desk Mount Paging and Emergency Microphone with 20 buttons - Gooseneck



#### MPS30-G

Desk Mount Paging and Emergency Microphone with 30 buttons - Gooseneck



#### MPS40-G

Desk Mount Paging and Emergency Microphone with 40 buttons - Gooseneck



#### MPS50-G

Desk Mount Paging and Emergency Microphone with 50 buttons - Gooseneck



#### SAP02

Wall Mount Paging Microphone with PTT - Lockable Enclosure



### SAP03

Wall Mount Paging Microphone with 10 buttons - Lockable Enclosure



## VRMS4-IP

Flush Mount Paging Mic with 4 Buttons -Gooseneck - IP enabled - Vandal Resistant