Descriptions

2U cabinet, built-in 500W digital amplifier, integrated to be 8 independent power zones. Install in broadcasting studio or control room, connect with Ethernet and network to share network audio, simultaneously allow 4 audio inputs (priority of the audio output can be set by software VA-6000ST). It is an ideal solution for PA system.

Features

* Support the speaker detection of loop grounding, open circuit and short circuit.
* Support the speaker loop cabling of 3 or 4 wire.
* 8 Programmable trigger input interfaces.
* 8 Programmable trigger output interfaces.
* Support power amplifier enter power saving mode to save energy when no signal input.
* Support the redundant cabling.
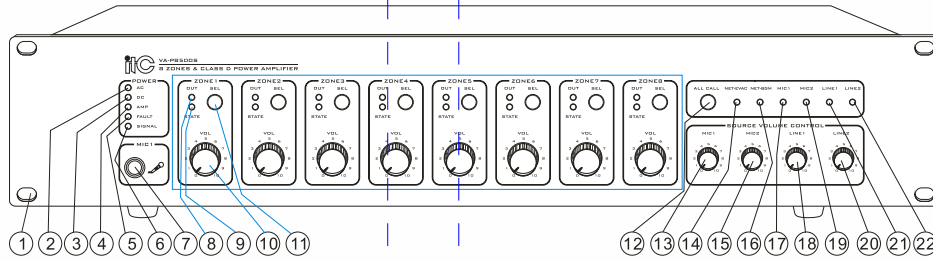* Support connect with linkage fire alarm controller to achieve fire alarm linkage control.

Basic Functions

* Built-in 500W digital amplifier and 8 power zone outputs, each zone with independent LED indicator light, output control and volume control.
 * With Network input, EVAC input, BGM input, local emergency mic input, normal mic input and 2 line inputs; user can set the priority of audio output through the VA-6000ST.
* Can work with an external backup amplifier, when the built-in amplifier stopped working, it automatically switch to backup amplifier.
* Automatic real-time monitoring the operation of each zone speaker loop (Ground connection, open circuit and short circuit).
* With 8 channels "Dry Contact" input interfaces, can trigger pre-program voice messages to the designated zone or open the corresponding external power supply to achieve the corresponding event warning.
* With 8 channels programmable relay signal output interfaces, can output signal of short-circuit without voltage control to the third party device to realize online automatic control.
* Support 24V DC backup input interface (External connect with the 24V DC supplied by VA-6000BC).

Specifications

Model	VA-P8500S
AC Power	
Voltage	~220-240V 50/60Hz
Maximum Current	3A (Exclude the 4 wire override output)
Fuse Size	250V/6.3A, slow type
DC Power	
Voltage	24V DC, ±20%
Maximum current	27A(Exclude the 4 wire override output)
Power Consumption	650W
Performance Index	
Line Input	
Distortion	<1% (Rated output power),1KHz
Frequency	80Hz~20KHz
Sensitivity	775mV
Impedance	10KΩ
S/N Ratio	>70dB
Emergency Mic	
Sensitivity	5mV
Impedance	600Ω
Contact Output	
8 Channels Programmable Relay Output	Short Circuit, No voltage
8 Channels Programmable Trigger Input	8 channels programmable trigger input
Level Mode	Max 3.3V
Short Circuit Mode	No voltage, short circuit.
Cooling Mode	Air-Cooled
Protection Mode	Delay/Overheat/Short Circuit/Over Load
Machine Index	
Dimension	484 x 88 x 447mm (19' width, 2U)
Weight	About 11.5Kg
Installation	Desktop or 19 inch cabinet
Color	Black
Environment Requirements	
Operation Temperature	+5℃~ +40℃
Storage Temperature	-20℃~ +70℃
Relative Temperature	<95% (No condensation)

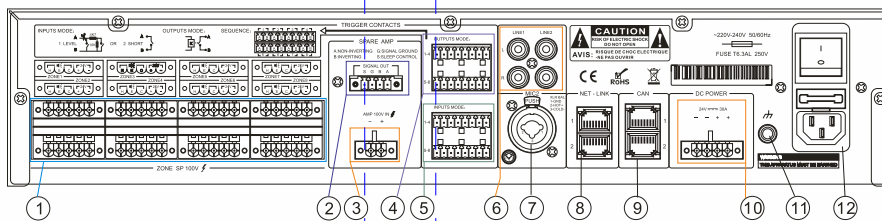# 8 Zone Voice Alarm Amplifier
VA-P8500S

Front Panel <<

Connectors

① 19 inch rack location hole;
② Zone amplifier main power indicator:
(1) 1Light Off-Zone amplifier stop working.
(2) Light green - Zone amplifier power supply works regularly.
(3) Light yellow - Zone amplifier main power supply in failure.
③ Zone amplifier 24V DC indicator:
(1) Light Off- backup power source of zone amplifier without configuration.
(2) Light green - backup power source of zone amplifier works regularly.
(3) Light yellow - backup power source of zone amplifier in failure.
④ Zone amplifier status indicator (If there is no external backup amplifier, it is only the indicator for the main amplifier):
(1) Light Off- Both main amplifier and backup amplifier are working regularly.
(2) Light yellow - Main amplifier or backup amplifier in failure.
⑤ General indicator for all zone amplifiers:
(1) Light green - Zone amplifier in regular working status.
(2) Light yellow - Zone amplifier in failure.
⑥ The output signal light of current zone to indicate the output audio status of the current zone.
⑦ Emergency MIC jack on the panel.
⑧ Zone output status indicator:
(1) Light Off - The current zone closed.
(2) Light green - The current zone in working status, and output ordinary audio.
(3) Light red - The current zone in working status, and the zone output is voice of EVAC or remote broadcast paging like RM/FM/PSTN.
⑨ Zone status LED tri-color indicators:
(1) Light Off - The current zone works regularly.
(2) Light yellow - The current zone in failure (including open circuit, short circuit and ground connection).

⑩ Zone volume control knob (Only for background music).
⑪ Zone selection button.
⑫ Zone output all-selection button.
⑬ Panel MIC1 output audio adjustment.
⑭ Network evacuation voice instructions:
(1) Light Off - The current zone audio is non-network EVAC voice.
(2) Light green - The current zone audio is network EVAC voice.
⑮ MIC2 volume control knob.
⑯ Network BGM indicator light:
(1) Light Off - The current zone audio is non-network BGM music.
(2) Light green -The current zone audio is network BGM music.
⑰ MIC1 working indicator:
(1) Light Off - The current zone audio is not from MIC1.
(2) Light green - The current zone audio is from MIC1.
⑱ Line Input 1 volume control knob.
⑲ MIC2 working indicator.
(1) Light Off - The current zone audio is not from MIC2.
(2) Light green - The current zone audio is from MIC2.
⑳ Line input 2 volume control knob.
㉑ Line Input 1 Working indicator:
(1) Light Off - The current zone audio is not line input 1.
(2) Light green - The current zone audio is line input 1.
㉒ Line Input 2 Working indicator:
(1) Light Off - The current zone audio is not line input 2.
(2) Light green - The current zone audio is line input 2.

Back Panel <<

Connectors

① 8 channel and 100V audio signal output, connects three-wire or four-wire audio control box or speaker.
② Parallel audio signal and the backup signal output of backup power amplifier connect the signal input of standby power amplifier.
③ 100V power input audio signal of standby power amplifier connects 100V power output of standby power amplifier.
④ 8 channels programmable relay trigger output signal.
⑤ 8 channels programmable relay trigger input signal (level signal or short-circuit signal depending on the configuration).
⑥ 2 channels line input signal interface.
⑦ Ordinary MIC (also can connect to audio player).
⑧ Internet interface.
⑨ CAN bus interface connects with the charger (VA-6000BC).
⑩ Backup power supply input interface (connects 24V DC power supply which is VA-6000BC power output interface).
⑪ Chassis ground (Note: please ensure the reliable grounding).
⑫ Power supply switch and main input socket with fuse.