



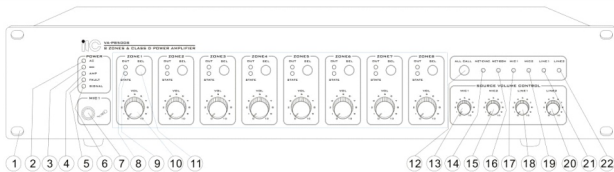
Changeover Built in 8-zone Amplifier

VA-P8500S

Embedded software: EVAC system PC software V3.0



Front Panel :



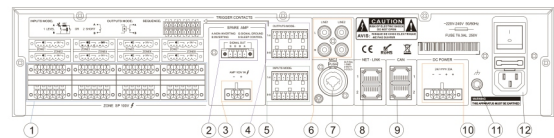
Connectors:

- 19 inch rack location hole;
- Partition amplifier main power indicator:
 - (1) Off - stop working.
 - (2) Green - normal.
 - (3) Yellow - with fault.
- Partition amplifier 24V DC indicator:
 - (1) Off - without configuration.
 - (2) Green - normal.
 - (3) Yellow - with fault.
- Partition amplifier status indicator (If there is no spare amplifier externally, it is only the main amplifier status indicator):
 - (1) Off - Both main amplifier and spare amplifier are operating normally.
 - (2) Light yellow - Main amplifier or spare amplifier with fault.
- Partition amplifier overall working status indicator:
 - (1) Light green - Partition amplifier works normally.
 - (2) Light yellow - Partition amplifier fails.
- The output signal indicator of current partition to indicate the output audio status of the current partition.
- Panel emergency MIC jack.
- Partition output status indicator:
 - (1) Off - The current partition closed.
 - (2) Green - The current partition works normally, and the output is ordinary audio.
 - (3) Red - The current partition, and the partition output EVAC voice and remote broadcast paging with fault, only for background music.
- Partition status LED tri-color indicators:
 - (1) Off - The current partition works normally.
 - (2) Yellow - with fault (including open, short circuit and ground).
- Partition volume control knob (but partition output EVAC voice and remote broadcast paging volume control will fail, only for background music).
- Partition selection button.
- Partition output select all button.
- MIC1 output audio adjustment.
- Network evacuation voice instructions:
 - (1) Off - The current partition audio is non-network EVAC voice.
 - (2) Green - The current partition audio is network EVAC voice.
- Rear MIC2 volume control knob.
- Network BGM instructions:
 - (1) Off - The current partition audio is non-network BGM music.
 - (2) Green - The current partition audio is network BGM music.
- MIC1 working indicator:
 - (1) Off - The current partition audio is not from MIC1.
 - (2) Green - The current partition audio is from MIC1.
- Line Input 1 volume control knob.
- MIC2 working indicator:
 - (1) Off - The current partition audio is not from MIC2.
 - (2) Green - The current partition audio is from MIC2.
- line input 2 volume control knob.
- Line Input 1 working indicator:
 - (1) Off - The current partition audio is not line input 1.
 - (2) Green - The current partition audio is line input 1.
- Line Input 2 working indicator:
 - (1) Off - The current partition audio is not line input 2.
 - (2) Green - The current partition audio is line input 2.

Function:

- * Built-in 500W digital amplifier and 8 power zone outputs, each zone has independent LED indicator, output control button and volume control.
- * With Network input, EVAC input, BGM input, local emergency mic input, 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 faulted, it automatically switch to backup amplifier.
- * Automatic real-time monitor the operation of each zone speaker loop (Ground connection, open circuit, short circuit).
- * With 8 channels 'dry contact' input interfaces, can trigger pre-program edited voice messages to the designated zone or open the corresponding external power supply to achieve the corresponding event warning.
- * With 8 channel programmable relay signal output interfaces, can output short circuit 0 voltage control signal to the third party device to realize online automatic control.
- * Support 24V DC input interface (external connect with the 24V DC supplied by VA-6000BC)

Back Panel:



Connectors:

- 8 channel 100V audio signal output, to connect with 3/4 wired volume control or speaker.
- Backup amplifier balance audio signal and standby signal output, to connect backup amplifier.
- Backup amplifier 100V audio signal input(connect to external backup amplifier 100V output).
- 8 channels programmable relay trigger output signal.
- 8 channels programmable relay trigger input signal (level signal or short-circuit signal depending on the configuration).
- 2 channel line input interface, to connect CD/MP3/TUNER standard audio signal.
- Mic/line input, to connect MIC/CD/MP3/TUNER standard audio signal(when input 6.3 plug unbalance audio signal, it will be mic input, when input XLR balance audio signal, it will be line input.)
- Device network interfaces.
- CAN bus interface for charger (VA-6000BC).
- Standby power supply input interface (connecting this interface with VA-6000BC power output interface).
- Chassis grounding (Note: Please ensure reliable ground at this point).
- Power supply switch and main power supply input socket with fuse.

Descriptions:

VA-P8500S, 2U cabinet design, it is built-in a 500W digital amplifier and integrated to be 8 zones, can be installed in the broadcasting room or remote control room, share the network audio source with the system via Ethernet, support 4 channel local signal inputs (The priority of audio output can be set by software VA-6000ST). It's the ideal choice for small or medium system.

Features:

- * Support the speaker loop grounding, open circuit and short circuit detection.
- * Support the speaker loop 3/4 wired cabling
- * 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 line redundant cabling.
- * Support linkage with fire alarm control unit to realize fire alarm linkage control.

Specifications:

Model	VA-P8500S
AC power	
Voltage	~220V 50Hz
Maximum current	3A (Exclude the 4 wired override output)
Fuse Size	250V/6..3A, slow type
DC power	
Voltage	24V DC, ±20%
Maximum current	27A (Exclude the 4 wired 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	484×88×447 mm (19" width, 2U)
N.W.	About 11.5kg
Installation	Desktop or 19 inch cabinet
Color	Black
Environment Requirements	
Operation Temperature	+5°C ~ +40°C
Storage Temperature	-20°C ~ +70°C
Relative Temperature	<95% (No condensation)