



8-zone amplifier

VA-6100P85



Description

The 8-zone power amplifier has a built-in 500W digital power amplifier and integrates 8 independent power zones. It can be installed in the broadcasting room or remote machine room, and is connected to the system via Ethernet to share the network audio source. It also allows 4-channel local audio input, making it the preferred device for building small and medium-sized broadcasting systems.

Features

- *Supports speaker loop grounding, open circuit and short circuit detection, and automatic amplifier protection in case of short circuit fault.
- *Supports 3/4-wire speaker loop wiring, fire alarm broadcasting, audio control and forced cutting, and maximum volume output.
- *It has 8 programmable trigger input online interfaces, which can trigger the pre-programmed voice messages to the specified partitions.
- *It has 8 programmable trigger output online interfaces, which can output short-circuit voltage-free relay control signals to third-party equipment to achieve online automatic control.
- *Supports the amplifier to enter power saving mode when there is no signal input to save energy.
- *Supports connection with linkage fire alarm controller to realize fire alarm linkage control.
- *Provides a DC 24V backup power input interface (24V DC power provided by an external DC power charger) to realize main and backup power supply.

Specification

AC power input voltage	~ 220V ± 15 % , 50-60Hz
AC power input current	< 3.5A
DC power input voltage	DC24V , 19-30V adaptive
DC power input current	< 30A
Fuse specifications	250V/ 6.3A , slow type
Maximum power consumption of the device	650W
Number of output partitions	8
Output voltage	100V
Output type	Transformer output
Output power	500W (maximum output of a single zone)
Distortion	< 1% (rated output power) , 1 kHz
Frequency response	300Hz - 16k Hz
Signal-to-Noise ratio	> 68dB
Maximum output power	500W
Override type	3-wire and 4-wire
4-wire forced output voltage	24V



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Amplifier status detection time	<0.5S
Partition detection status	Short circuit, open circuit, short circuit to ground
Partition detection time	<0.5S
Line input number	4 channels (2 channels of Kalon interface, 2 channels of RCA interface)
Line input sensitivity	± 385mV (balanced), 775mV (unbalanced), 10mV (unbalanced)
Line input impedance	20KΩ (balanced), 10KΩ (unbalanced)
8-channel relay programmable output	Short circuit, no voltage
8-channel programmable trigger inputs	Short-circuit input, short-circuit input with detection, voltage input
Short circuit mode	3.3V voltage, short contact trigger, no linkage line monitoring function
Short-circuit mode with detection	3.3V voltage, short contact trigger, support linkage line fault alarm
Cooling method	Air-cooled
Protection method	Delay/overtemperature/short circuit/overload
Dimensions (L×D×H)	484×465.1 ×100.7 mm
Weight	About 1-2kg