



Descriptions

VA-6000MS changeover is an integrated controller supporting main and backup amp swithing, speaker circuit grounding detection, open circuit and short circuit detection; compatible with three or four wire volume controller wiring, without extra wiring or power supply; combining 8 programmable stem node or wet node trigger inputs and 8 programmable on-line output signal. It works with class D amplifiers, traditional amplifiers to provide a safe, affordable solution to the PA & Voice Alarm system.

Features

- 2U chassis design, high integrated, modularization.
- Support speaker circuit grounding, open circuit and short circuit detection.
- Support 3/4 wire horn circuit wiring.
- 8 programmable trigger input interfaces.
- 8 programmable trigger output interfaces.
- Support power-saving mode when the amplifier has not input signal enters.
- Support lines redundancy wiring.
- Support linkage to fire alarm controller.

Basic Functions

* Main amplifier automatic backup switching power amplifier, real-time detection, indicate by different color LEDs.

* Real time monitoring speaker bus loop, power amplifier status, automatic control switch.

* Allows amplifier enter into power saving mode when no signal input to save energy (start through VA-6000ST, default disabled).

* Allows to configure the priority of network and local audio.

* Support power through, even if the main and standby power supply is cut off at the same time (amplifier power supply normal), the local 8 audio signals are not affected.

* 8 stem node or wet node input port, to trigger the pre-programmed language information to the specified zones or open the coresponding external power to the corresponding event warning.

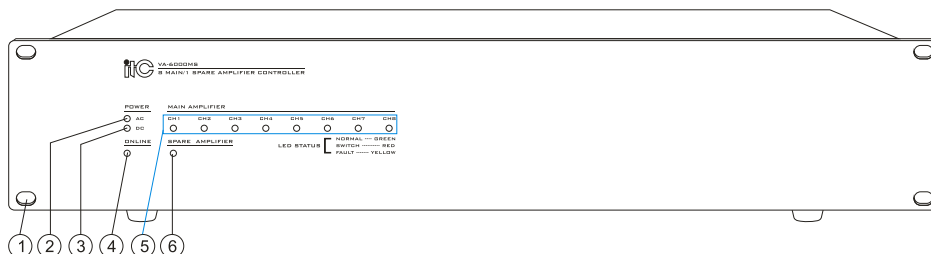
* 8 programmable relay signal output port, ouupt no voltage output short circuit relay control signal to the third party equipment to realize on-line automatic control.

* Provide DC 24V standby power input interface (connect to 24V DC supplied by VA-6000BC).

Specifications

Model	VA-6000MS
AC power supply	
Voltage	~ 230V, 50/60Hz
Maximum current	0.3A (not including the 4 wire strong cut output)
Specification of the fuse	250V/1A, slow speed type
DC power supply	DC power supply
Voltage	24V DC, $\pm 20\%$
Maximum current	2A (not including the 4 wire strong cut output)
Power	48W
performance index	
Parallel signal input / output	
Distortion	<1% (rated output power),1kHz
Frequency	80Hz~20KHz
Sensitivity	385mV
Impedance	10K Ω
SNR	>70dB
Contact output	
8 relay programmable output	Short circuit, no voltage
8 programmable trigger input	8 programmable trigger input
Level model	The highest 3.3V
Short circuit mode	No voltage, short circuit
Cooling way	Air cooled
Protection	Delay / temperature / short / overload
Mechanical index	
The size (length x width x depth)	484 x 88 x 447 mm (19 inches wide, 2U)
The net weight	About 7.8 kg
Installation	Desktop or 19 inch cabinet
Color	Black
Environmental requirements	
Environmental requirements	+5°C ~ +40°C
Storage temperature	-20°C ~ +70°C
Relative temperature	<95% (no treatment)

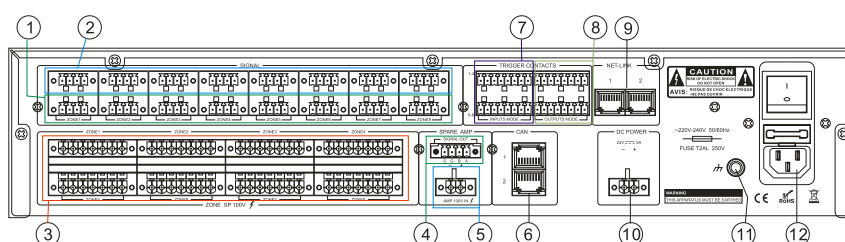
VA-6000MS Front Panel <<



Connectors

- ① 19 inch rack location hole and machine foot.
- ② Main power indicators:
 - (1) Off - stop working.
 - (2) Green - in normal power supply.
 - (3) Yellow - main power fault.
- ③ DC24V power indicator:
 - (1) Off - main power is not configured.
 - (2) Yellow - standby power supply fault.
 - (3) Green - standby power supply in normal.
- ④ Network status indicator:
 - (1) Yellow - disconnected from the network.
 - (2) Tgreen - network in normal.
- ⑤ The main amplifier 1~8 channel state indicator:
 - (1) Green - power amplifier work.
 - (2) Yellow - power amplifier fault.
 - (3) Red - the main amplifier fault, the duty of the current falut main power amplifier has shifted to the standby power amplifier.
- ⑥ 6 standby power amplifier work state description:
 - (1) Green - power amplifier work.
 - (2) Yellow - power amplifier fault.
 - (3) Red - the main amplifier fault, the duty of the current falut main power amplifier has shifted to the standby power amplifier.

VA-6000MS Back Panel <<



Connectors

- ① 8 parallel signal and audio power amplifier sleep signal output interfaces ,connecting to external amplifier signal input .
- ② 8 local parallel audio signal input interfaces, connecting to external parallel audio signal output device.
- ③ 1~8 partition audio power signal output, connecting to external speaker or a three / four wire voice control box.
- ④ Standby power amplifier audio signal output.
- ⑤ Backup audio power signal input.
- ⑥ CAN bus interface, connecting to external VA-6000BC.
- ⑦ 8 programmable trigger signal input (level signal or short-circuit no voltage signal input).
- ⑧ 8 programmable relay output signal.
- ⑨ Network interface.
- ⑩ Backup power supply input interface connecting to external VA-6000BC DC power supply output.
- ⑪ Chassis ground (Note: please ensure the reliable grounding).
- ⑫ Power supply switch.