



Descriptions

VA-6000MS changeover is an integrated controller supporting main and backup amp switch function, speaker circuit grounding detection, open circuit and short circuit detection. The controller is compatible with three or four wire volume controller wiring, no need extra wiring or power supply, combining 8 programmable dry contact or wet contact inputs and 8 programmable on-line output signal. It works with class D amplifiers and traditional analog amplifiers to provide a safe solution to the PA & Voice Alarm system.

Features

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

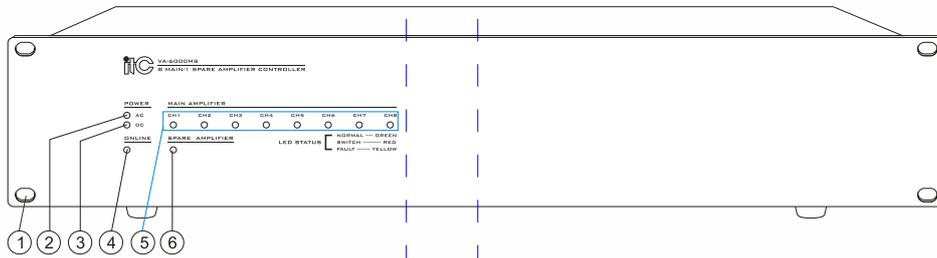
Basic Functions

- * Main amplifier automatic backup and switching, real-time detection, indicated by different LED color.
- * Real time monitoring speaker bus loop, power amplifier status, automatic control switch.
- * Support amplifier enter into power saving mode when no signal input to save energy (start through VA-6000ST, default forbidden).
- * Support to set the priority of network and local audio.
- * Support power Lan bypass, even if the main and standby power supply is cut off at the same time (amplifier power supply normal), the local 8 audio signals output would not be affected.
- * 8 channel dry contact or wet contact input port, to trigger pre-edited language information to the specified zones or turn on the external power to the corresponding event warning.
- * 8 programmable relay signal output port, input 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 VA-6000BC to supply DC24V).

Specifications

Model	VA-6000MS
AC Power Supply	
Voltage	~220-240V 50/60Hz
Maximum Current	0.3A (not including the 4 wire strong cut output)
Specification Of The Fuse	250V/2A, slow speed type
DC Power Supply	
Voltage	24V DC, ±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	10KΩ
S/N Ratio	>70dB
Contact Output	
8 Relay Programmable Output	Short circuit, no voltage
8 Programmable Trigger Input	8 programmable trigger input
Level Model	Highest 3.3V
Short Circuit Mode	No voltage, short circuit
Cooling Way	Air cooled
Protection	Delay / temperature / short / overload
Mechanical Index	
Size (L x W x D)	484 x 88 x 447 mm (19 inches wide, 2U)
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)

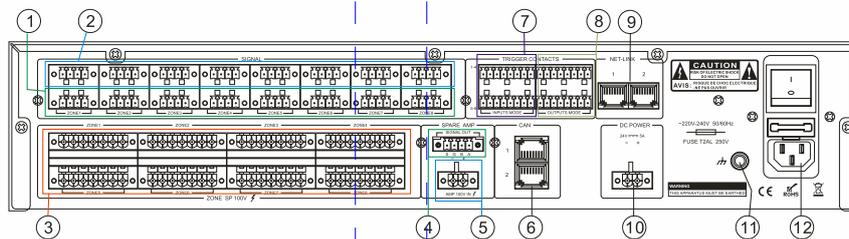
Front Panel <<



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) Green - 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 fault 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 fault main power amplifier has shifted to the standby power amplifier.

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.