



8 Channel Changeover

VA-6000MS



Descriptions

VA-6000MS changeover is an integrated controller supporting main and backup amplifier switching, speaker circuit grounding detection, open circuit and short circuit detection; compatible with 3/4 wired volume controller wiring, no need extra wiring or power supply; combining 8 programmable dry contact or wet contact 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 cabinet design, high integrated, and modularized design.
- * Support speaker circuit grounding, open circuit and short circuit detection.
- * Support 3/4 wired speaker loop wiring.
- * 8 programmable trigger input interfaces.
- * 8 programmable trigger output interfaces.
- * Support power-saving mode when there is no input signal.
- * Support line redundancy wiring.
- * Support linkage to fire alarm controller.

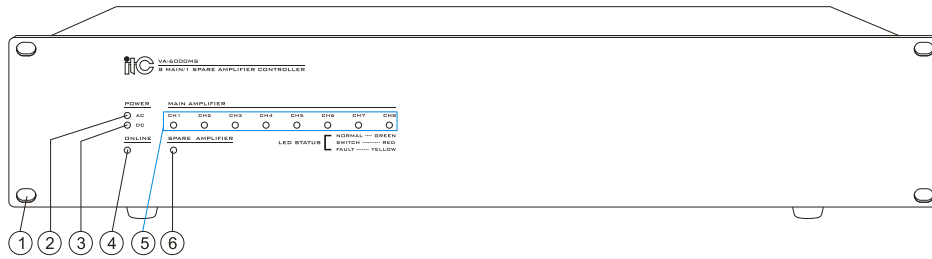
Basic Functions

- * Main amplifier automatically switch to backup amplifier, real-time detection, LED indicators in different color.
- * Real time monitoring to speaker bus loop, power amplifier status, automatic control switch.
- * Amplifier enters into power saving mode when no signal input to save energy (start through VA-6000ST, default disabled).
- * Support to configure the priority of network and local audio.
- * Support power off broadcasting, 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 dry contact or wet contact inputs, to trigger the pre-programmed voice message to the specified zones or trigger the correspondent external power to reach the corresponding event warning.
- * 8 programmable relay signal output port, connect the 0 voltage 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	~220-240V 50/60Hz
Maximum Current	0.3A (not including the 4 wired relay 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 relay 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	
Dimension (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	+5℃ ~ +40℃
Storage Temperature	-20℃ ~ +70℃
Relative Temperature	<95% (no treatment)

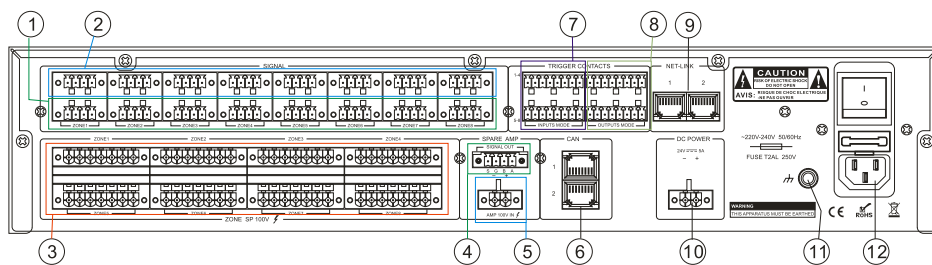
Front Panel



Connectors

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

Back Panel



Connectors

- ① 8 balanced audio signal and amplifier standby signal output interface, to connect with signal input of master amplifier.
- ② 8 local balanced audio signal input interface, to connect with audio source equipment.
- ③ 1-8 partition audio power signal output, connect with speaker or 3 wired, 4 wired volume controller.
- ④ Standby amplifier balanced audio signal and standby signal output, to connect with standby amplifier.
- ⑤ Standby power amplifier 100V audio signal output.
- ⑥ CAN bus interface, to connect with external VA-6000BC or DC 24V UPS power supply.
- ⑦ 8 programmable trigger signal input (can be level signal or short-circuit signal, according to the parameter configuration of machine).
- ⑧ 8 programmable relay output signal.
- ⑨ Changeover network interface.
- ⑩ Changeover backup power supply input interface connecting to external VA-6000BC DC power supply output.
- ⑪ Chassis grounding (Note: please ensure the reliable grounding).
- ⑫ Power supply switch.