



P01 (VA-6501) Amplifier



Features:

*Light indication function:

- ① AC power supply-indicates the status of AC power supply, green means normal; Yellow means fault.
- ② DC power supply-indicates the state of standby DC power supply, green means normal; Yellow means fault.
- ③ Failure-any equipment in this machine has a functional failure, and the yellow light is on; off means normal.
- ④ Online status-equipment online status indication, green flashing means normal; Yellow means fault.

- *System status display: The system running status can be viewed through the 5-inch high-definition touch screen, with a maximum resolution of 800*480
- *Fire linkage input interface: 8channel programmable fire linkage input interfaces, support short circuit triggering or short circuit triggering with detection; Connectable with external linkage input device
- *Fire linkage output interface: 8-channel programmable fire linkage output interface, the output type is relay short circuit output; Connectable with external linkage equipment
- *Audio output: 4-channel audio outputs with built-in 4-channel 120W amplifier; Output Voltage 100V
- *Data transmission technology: self-developed data transmission technology output module, simultaneous inputs/outputs of 4 channels of audio; Audio sampling rates support 8K, 16K, 24K, 48K
- *System fault prompt: system fault has automatic prompt, and fault information can be viewed through LED lamp or screen;
- *Equipment Hardware Self-check: It is equipped with hardware self-check for audiovisual components and mechanical devices to ensure the normal use of hardware
- *Automatic switching of main and standby power supply: the main and standby power supply is automatically switched, and the standby power supply is powered by 24V DC power supply;
- *Built-in maximum 120W amplifier: The amplifier module is powered by high-efficiency Class D digital amplifier and AC/DC dual-purpose switching power supply. AC is preferred for module power supply, and idle amplifier modules can automatically enter sleep mode when using standby power supply, which can effectively prolong the use time of standby power supply.
- *The rated maximum output power of a single module is 120W, and four 120W amplifier modules are built in.
- *If the main amplifier fails, the standby amplifier will be automatically switched and replaced. The module adopts air cooling to dissipate heat. The fan rotates at low speed when the power output is low; rotates at full speed when the power output is high.
- *Loop detection: It can detect the loop status of all zones in real time, and the detection results are normal, open circuit and short circuit, which can be displayed on the screen and reported to the controller through the network at the same time
- *Amplifier state detection: It can detect the amplifier state in real time, and the detection result is normal or fault, which can be displayed on the screen and reported to the controller computer through the network at the same time

Interface

Front panel:

- *Light indication: two-color plug-in LED lights, red + green, combined into color 3: red, yellow and green, a total of 4, indicating the system status;
- *HD screen: 5-inch HD screen with a maximum resolution of 800 * 480

Rear panel:

- *Input interface: conventional terminals, spacing 3.81 mm, 8 channels; dry contact trigger, input type is short circuit trigger/short circuit trigger with detection
- *Output interface: conventional terminals, spacing 3.81 mm, 8 channels; The output type is relay short circuit output, supporting a maximum current of 2A.
- *Audio output interface: conventional terminals with a spacing of 5.08 mm; 4 channels, output audio 100V.
- *Network interface: 2-channel RJ45 standard network port, built-in switch chip, used for equipment cascade and communication with controller
- *Standby power interface: input voltage 20-28V, maximum input current 100A. With overload protection; When the main and standby power supplies are connected simultaneously, the main power supply is used preferentially
- *Grounding terminal: nickel-plated copper column with flat diaphragm and nut
- *Power interface: the input is AC110/240 V.50/60Hz, and the supporting fuse is 250V/20A
- *Power switch: switch type with self-locking; Rated input 250V 16A

Specification:

Model	VA-6501	
AC power supply	Voltage	~ 220 V ± 20% 50Hz
	Maximum current	12A
	Fuse specification	250V/20A, slow type
	Voltage	24V DC, ± 20%
Number of Output Channels	4	
	Output Voltage	100V
Output Power	4*120W	
THD	< 1% (rated output power), 1KHz	
Frequency response	80Hz ~ 16KHz	
SNR	> 70dB	
Amplifier state detection time	< 0.5s	
Zone Detection Status	Short circuit, open circuit, short circuit to ground	
Zone detection time	< 0.5s	
8-channel relay programmable output	Short circuit, no voltage	
8-channel programmable trigger mode input	Short-circuit input or short-circuit input with detection	
Short circuit mode	No voltage, short circuit	
Cooling mode	Air-cooled	
Protection mode	Delay/Over-temperature/Short Circuit/Overload	
Dimension	484 × 505 × 88 mm	
Weight	14.6 kg	