



SA-7042/SA-7043/SA-7044/SA-7045 IP Network Amplifier



Product Overview:

The IP network amplifier is integrated by IP network decoding terminal and the power amplifier, it can be directly connected to the constant pressure loudspeaker to realize long-distance and wide-range broadcasting.

Features:

1. High-performance IP network power amplifier adopts 2U standard chassis design, black aluminum alloy panel, beautiful and practical.
2. It adopts industrial dual-core processing chip (ARM + DSP), and the startup time is less than 1 S.
3. The built-in network IP decoding module of the product can play network music and call in real time. The network delay time for collecting play and call power is less than 30mS.
4. With at least 3 channels of MIC input, 2 channels of AUX input, 2 channels of LINE input and 1 channel of LINE output. Independent dominant volume adjustment knobs are provided for 3 channels of MIC and 2 channels of AUX input, and adjustment knobs are provided for treble, bass, mute and total volume.
5. The front panel of the IP network power amplifier is equipped with a MUTE silent tone adjustment knob, which is used to adjust the MIC1 input signal and the background music signal. If there is an important notification file to be broadcast when the background music is played normally, the size of the background music can be adjusted through the MUTE silent tone adjustment knob on the front panel to make the voice clearer. Automatically restore the volume of the original background music signal after the broadcast.
6. The equipment is equipped with at least one USB interface, which can be directly used to read or write the IP address of the product. It can also be customized and selected as the MP3 input playback port of the local audio source.
7. The device is provided with a 3-level priority function. MIC1 is set as the highest priority, the network is the second priority, and MIC2, MIC3, AUX1 and AUX2 are the third priority.
8. With FUSE current-limiting self-recovery fuse, when the working state exceeds the maximum power of the amplifier for a long time, the current-limiting fuse is automatically



disconnected. After the fault is eliminated, press the FUSE recovery switch, the product will automatically resume normal work, and protect the product.

9. The product is equipped with a short circuit input and a short circuit output interface, which is convenient for users to expand.

10. It is equipped with a standby interface of DC24V forced-switching power supply, which is convenient to access the fire voice control switch for emergency alarm.

11. It supports passive end of call, which enables two parties to talk to each other with a delay time of less than 30 mS.

12. With one-way on-demand function, the terminal can freely order the programs in the server.

13. Equipped with built-in high-fidelity digital power amplifier, the output mode is constant voltage 100 V, 70V or constant resistance 4 ~ 16Ω output.

14. The equipment is equipped with on-power indicator, power amplifier protection indicator, working signal and peak elimination indicator, so that the working status of the power amplifier is clear.

15. The product has multiple intelligent detection and protection systems for overload, short circuit, over temperature, over voltage, under voltage, over current, transformer overheating, etc.

16. The equipment is equipped with at least one 10/100MRJ45 network switch interface as standard, supporting LAN and Wan. It is convenient for expansion, maintenance and remote upgrades.

Technical parameters:

Model no.	SA-7042	SA-7043	SA-7044	SA-7045
Output power	250W	360W	500W	660W
Network interface	Standard RJ45			
Transmission rate	10M/100Mbps			
Audio format	MP3/MP2			
Audio mode	16-Bit Stereo CD Quality			
Output frequency	20Hz—20KHz			
Sampling rate	16K~48KHz			
Support agreement	TCP/IP, UDP, IGMP (Multicast)			
Harmonic distortion	≤0.3%			
Signal to noise ratio	≥90dB			
Line input level	250mV			
MIC Input Sensitivity	10mV			
Line output level, impedance	775MV、1KΩ			
Trigger input	1 short circuit input			



Output way	1 channel short circuit output, DC24V output (optional)			
Work environment	Working temperature: -20 °C ~ + 60 °C. Operating humidity: 10% ~ 90%			
Supply voltage	AC110/115/120/220/230/240V,50-60Hz			
Power consumption	400W	500W	750W	950W