

IP Based Power Amplifier 500W



DESCRIPTION

NVS-IP100009AM IP Integrated Amplifier provides multiple connections from a microphone input to a relay output, making the amplifier universally suitable for any size of application. To avoid cabling costs and offer more flexibility, the amplifier is specifically optimized for installation either in a 19" rack or on-site.

FEATURES

- ⦿ Compact 1U rack design, both flexible and durable
- ⦿ Built-in digital Class-D 500W amplifier suitable for 100V powered loudspeakers
- ⦿ Multiple status indicator lights on the front panel for easier maintenance
- ⦿ Comprehensive protection circuit for overload, overheating and lightning
- ⦿ Large-capacity storage for uploading and remotely updating timed tasks and alarm files
- ⦿ SIP protocol compatibility for easy integration with mainstream VoIP systems (Yeastar, Asterisk, Cisco, etc.)
- ⦿ Supports offline broadcasting independently of a server
- ⦿ Receives live voice announcements from third-party VoIP systems or NORDEN's centralized management software
- ⦿ Relay I/O port for connecting with fire alarm systems

Specifications	
Model	NVS-IP100009AM
Power Supply	AC 100V-240V, 50/60Hz
Rated Power Output	500W
Power Consumption	≤580W
Audio Codec	MP3, PCM, ADPCM, G.711 A-law, G.711 μ-law, G.729
Signal to Noise Ratio	≥90dB
Audio Sampling & Bit Rate	8kHz~44.1kHz, 16bit, 8kbps~320kbps
Total Harmonic Distortion	≤0.5% at 1kHz, 1/2 rated output
Frequency Response	60Hz~16kHz
Network Interface	10BASE-T/100BASE-TX RJ45
Network Protocol	SIP, FTP, HTTP, RTP, TCP/IP, UDP, ARP, ICMP, IGMP
Configuration Method	Web Interface or DevConfig Tool
Mounting Method	1U Rack-Mounted
Installation Environment	Dry Indoor Locations Only

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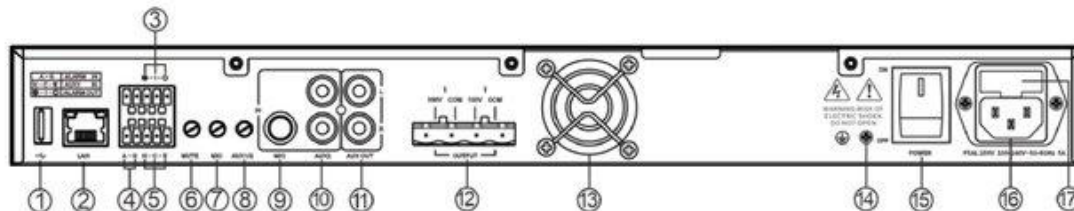
Operating Temperature	0°C~+45°C (32°F~113°F)
Storage Temperature	-20°C~+55°C (-4°F~131°F)
Operating Humidity	≤90% RH (Non-Condensing)
Heat Dissipation	Intelligent Temperature Control, Forced Air Cooling
Protection	Over-Current Protection, Short-Circuit Protection, Overload Protection, Thermal Protection, Lightning Protection, Surge Protection
Front Panel Material	Surface-Treated Steel Plate
Housing Material	Surface-Treated Steel Plate
Colour	Black
Product Dimension	440x300x44 mm
Product Weight	3.5 Kg
Packaging	Carton Box
Packed Dimension	580x350x140 mm
Packed Weight	4.6 Kg

FRONT PANEL



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REAR PANEL



① **USB port** : Reserved.

② **Network port** : To connect to Ethernet switch.

③ **Relay Output** :
3-Pin pluggable terminal block (3.81mm Pitch, AWG 26-16), normally open (NO) or normally closed (NC) dry contact

④ **Relay Input** :
2-Pin pluggable terminal block (3.81mm Pitch, AWG 26-16), normally open (NO) dry contact;

⑤ **Aux Input 01:**
3-Pin pluggable terminal block(3.81mm Pitch, AWG 26-16) (Balanced, Sensitivity/ Impedance: 500mV/10kΩ);

⑥ **MUTE Knob:**
MUTE depth adjustment knob, when the MIC input signals, it'll automatically MUTE AUX1 and AUX2, clockwise rotation will increase the MUTE depth, anticlockwise rotation will decrease the MUTE depth;

⑦ **MIC Knob** :
Adjust the MIC input volume, clockwise rotation will increase the volume, anticlockwise rotation will decrease the volume;

⑧ **AUX1/2 Knob** :
Adjust the Line input volume ,clockwise rotation will increase the volume, anticlockwise rotation will decrease the volume.

⑨ **Mic Input:**
1/4-inch (6.35mm) TRS Jack (Unbalanced, Sensitivity/Impedance: 100mV/600Ω)

⑩ **Aux Input 02:**
Dual RCA Jacks (Unbalanced, Sensitivity/ Impedance: 500mV/10kΩ)

⑪ **Aux Output:**
Dual RCA Jacks.

⑫ **Speaker Output 01/02 (100V):**
2-Pin Pluggable Terminal Block (7.62mm Pitch, AWG 28-12), connecting and driving 100V constant-voltage passive speakers;

⑬ **Cooling Fan**

⑭ **Ground Terminal**

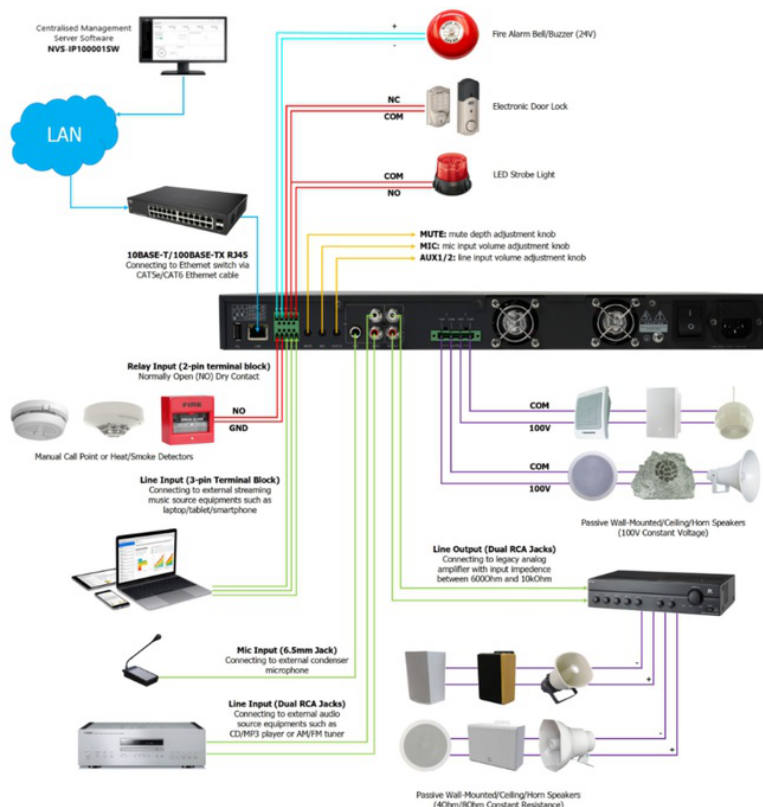
⑮ **Power Switch**

⑯ **Power Input Interface**

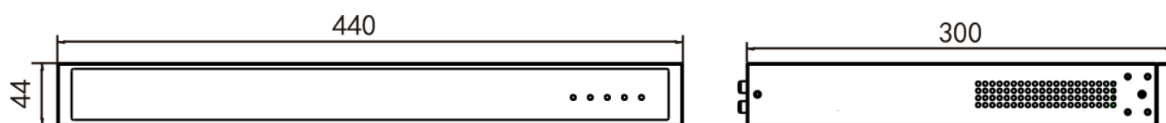
⑰ **Insurance Block**

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CONNECTION DIAGRAM



DIMENSION



ORDERING INFORMATION

Part Number	Description	Standard Quantity
NVS-IP100009AM	IP Based Power Amplifier 500W	01