

IP Based Power Amplifier 260W



DESCRIPTION

The NVS-IP100007AM IP Integrated Amplifier provides multiple connections from a microphone input to a relay output, making it universally suitable for any size of application. To avoid cabling costs and enhance 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 260W 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-IP100007AM |
| Power Supply | AC 100V-240V, 50/60Hz |
| Rated Power Output | 260W |
| Power Consumption | ≤310W |
| 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 |
| Operating Temperature | 0°C~+45°C (32°F~113°F) |

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| | |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 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

② **STATUS:**

Green light normally on when online ,red light normally on when offline.

① **POWER:**

Red light normally on when the amplifier is powered on.

③ **SIGNAL:**

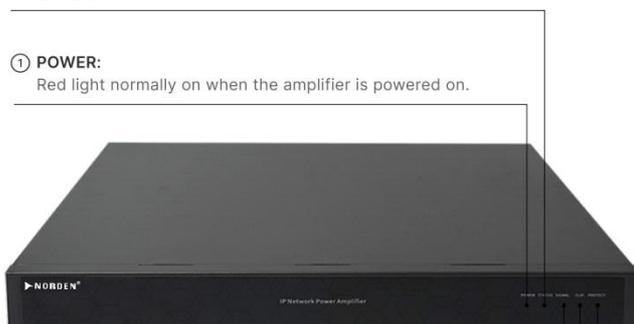
No light when there is no signal input ,green light normally on when there is signal input.

④ **CLIP:**

Red light normally on when the amplifier is overloaded.

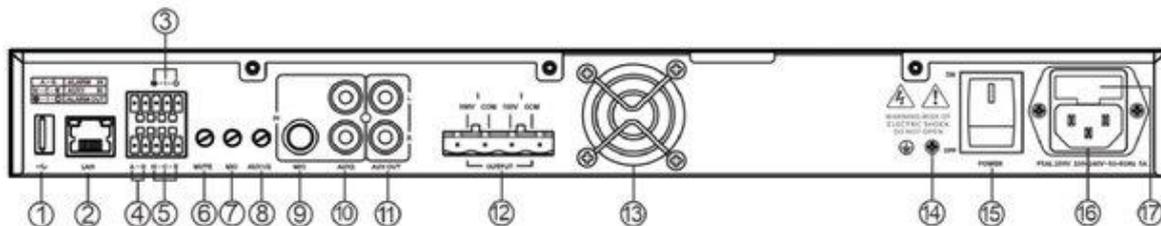
⑤ **PROTECT:**

Yellow light normally on when the amplifier is malfunctioning.



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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**

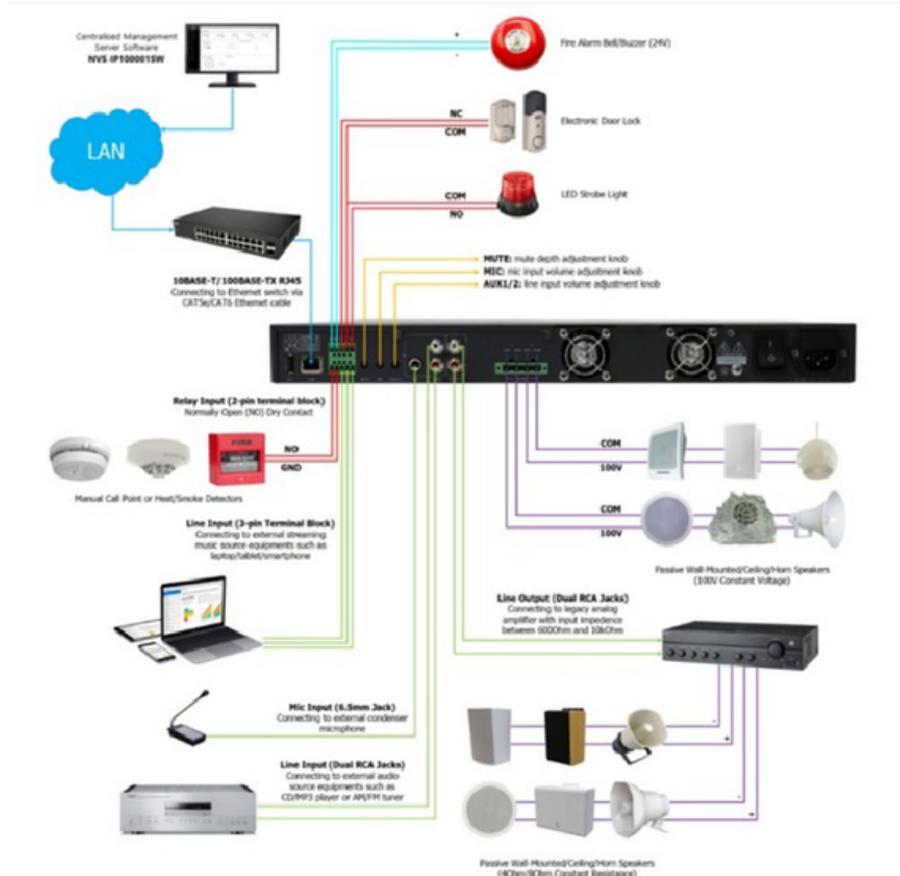
⑮ **Power Switch**

⑯ **Power Input Interface**

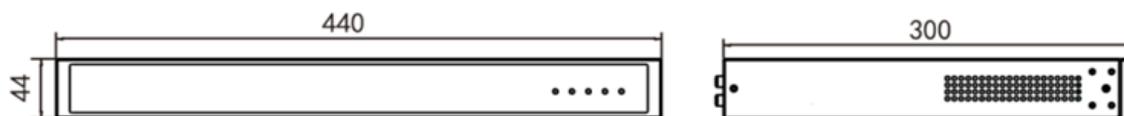
⑰ **Insurance Block**

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CONNECTION DIAGRAM



DIMENSION



ORDERING INFORMATION

| Part Number | Description | Standard Quantity |
|----------------|-------------------------------|-------------------|
| NVS-IP100007AM | IP Based Power Amplifier 260W | 01 |