NVS-IP100013AM

4 ZONE IP BASED MIXER AMPLIFIER 550W

DESCRIPTION

The 4-Zone IP-Based Mixer Amplifier is a high-performance audio distribution device designed for modern IP network audio broadcasting systems. With built-in support for IP Audio digital network technology, this amplifier operates as a network audio terminal, fully managed and controlled through centralized server software. Designed for multi-zone environments, the amplifier allows independent audio control across four zones, making it ideal for supermarkets, office buildings, schools, hospitals, and other multi-area facilities.
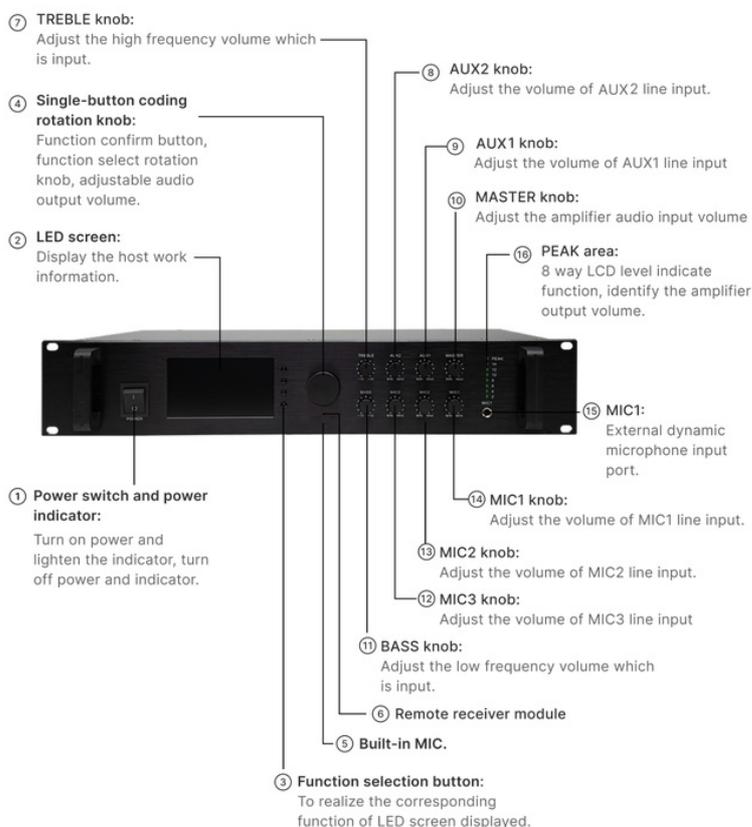
FEATURES

- IP network model with pre-constant voltage amplifier (100V output), start time ≤1 second
- 3 pre-audio inputs: network audio, local line input, and local MIC input
- Independent tone control for each input source (bass and treble adjustment)
- 4.3-inch TFT colour LCD screen with rotary control knob
- Supports local SD card playback and remote audio file updates
- Built-in NAND flash supports clip-based SD card audio playback
- Low standby power consumption with automatic amplifier activation
- Audio line output available for external amplifier expansion
- Durable 2U rack-mount design for professional installations
- Infrared remote control compatible with status indicator lights for easy maintenance
- Internal clock chip enables server-independent timed broadcasting
- Built-in microphone and speaker for two-way intercom communication
- Relay I/O port for third-party fire alarm system integration
- Part of an IP network broadcasting system controlled by server software
- Supports multi-zone broadcasting with programmable output per zone

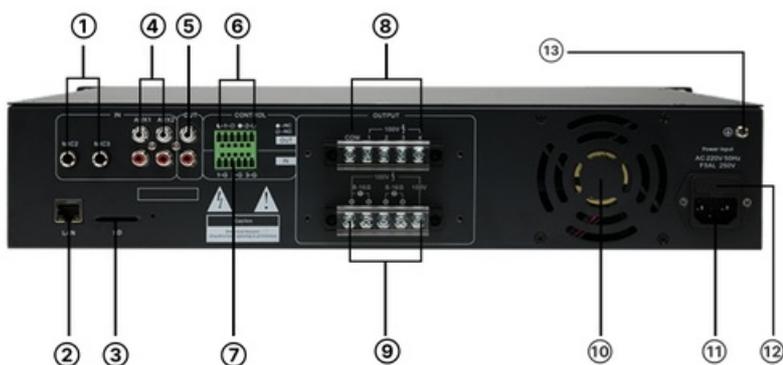| Specifications	
Model	**NVS-IP100013AM**
Power Supply	AC 220V, 50Hz
Rated Power Output	550W
Power Consumption	≤650W
Audio Codec	MP2, MP3, PCM, ADPCM
Signal to Noise Ratio	Mic Input 01: ≥65dB, Mic Input 02/03: ≥80dB
	Aux Input 01/02: ≥82dB
Audio Sampling & Bit Rate	8kHz~44.1kHz, 16bit, 8kbps~320kbps
Total Harmonic Distortion	≤0.5% at 1kHz, 1/2 rated output

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Frequency Response	Mic Input 01: 80Hz~14kHz, Mic Input 02/03: 60Hz~16kHz
	Aux Input 01/02: 60Hz~16kHz
Network Interface	10BASE-T/ 100BASE-TX RJ45
Network Protocol	HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Configuration Method	Web Interface or DevConfig Tool
Mounting Method	2U Rack-Mounted
Operating Temperature	-10℃~+50℃ (14℉~122℉)
Operating Humidity	≤90% RH (Non-Condensing)
Heat Dissipation	Automatic start of the built-in fan when the temperature of the radiator exceeds 55℃, forced air cooling from front to back
Protection	Over-Current Protection, Short-Circuit Protection, Overload Protection, Thermal Protection
Front Panel Material	Aluminium Alloy
Housing Material	Surface-Treated Steel Plate
Dimensions	483x430x88 mm
Weight	7.5 Kg

FRONT PANEL

⑦ **TREBLE knob:**
Adjust the high frequency volume which is input.

④ **Single-button coding rotation knob:**
Function confirm button, function select rotation knob, adjustable audio output volume.

② **LED screen:**
Display the host work information.

① **Power switch and power indicator:**
Turn on power and lighten the indicator, turn off power and indicator.

⑧ **AUX2 knob:**
Adjust the volume of AUX2 line input.

⑨ **AUX1 knob:**
Adjust the volume of AUX1 line input

⑩ **MASTER knob:**
Adjust the amplifier audio input volume

⑯ **PEAK area:**
8 way LCD level indicate function, identify the amplifier output volume.

⑮ **MIC1:**
External dynamic microphone input port.

⑭ **MIC1 knob:**
Adjust the volume of MIC1 line input.

⑬ **MIC2 knob:**
Adjust the volume of MIC2 line input.

⑫ **MIC3 knob:**
Adjust the volume of MIC3 line input

⑪ **BASS knob:**
Adjust the low frequency volume which is input.

⑥ Remote receiver module

⑤ Built-in MIC.

③ **Function selection button:**
To realize the corresponding function of LED screen displayed.

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REAR PANEL

① **MIC 2、MIC 3:**
External condenser microphone.

② **Network input port :**
To connect with Ethernet switch

③ **SD card insert port :**
To storage timed task file.

④ **AUX 1、AUX 2 Line input port :**
To connect to external audio sources equipment.

⑤ **AUX Line output port :**
To connect to legacy amplifier with impedence 600Ω-10kΩ.

⑥ **Relay output 01/02 port :**
3-Pin Pluggable Terminal Block (3.81mm Pitch, AWG 26-16), Normally Open (NO) or Normally Closed (NC) Dry Contact .

⑦ **Relay input 01/02/03 port:**
2-Pin Pluggable Terminal Block (3.81mm Pitch, AWG 26-16), Normally Open (NO) Dry Contact

⑨ **Speaker Output (100V、8Ω~16Ω) port :**
2-Pin Screw Terminal Block, connecting and driving 100V constant-voltage passive speakers ; 2-Pin Screw Terminal Block, connecting and driving 8Ω constant-resistance passive speakers (total impedance between 8Ω~16Ω).

⑧ **Multi-Zone Speaker Output (100V)port :**
5-Pin Screw Terminal Block, connecting and driving 100V constant-voltage passive speakers with zoning options .
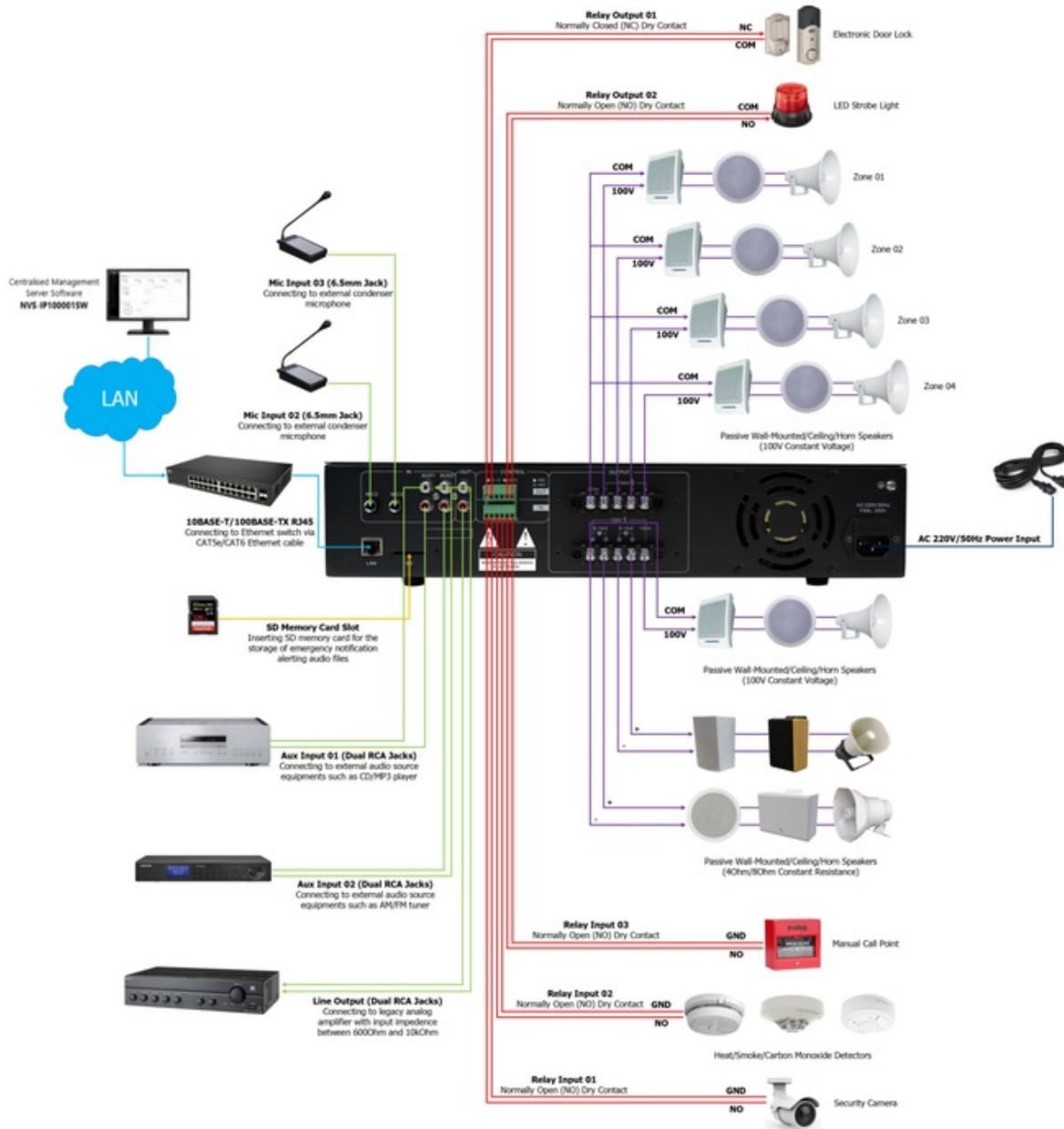
⑩ **Cooling fan**
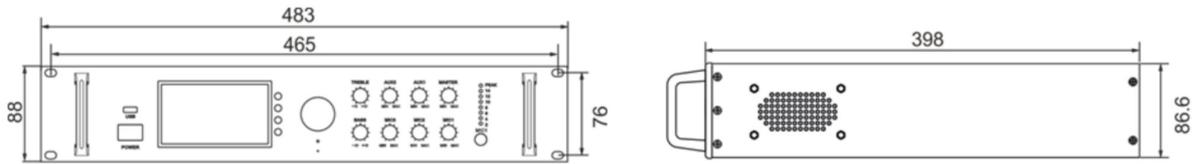
⑪ **AC220V power input port**

⑫ **Fuse**

⑬ **GND**

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CONNECTION DIAGRAM

4 ZONE IP BASED MIXER AMPLIFIER 550W

DIMENSION

ORDERING INFORMATION

Part Number	Description	Standard Quantity
NVS-IP100013AM	4 ZONE IP BASED MIXER AMPLIFIER 550W	01

ACCESSORIES INFORMATION

Description	Standard Quantity
User Manual	01
Power Cord	01
Flat Head Screw & Washer	04
6 Pin Pluggable Terminal Block Connector (3.81mm Pitch, AWG 26 16)	02

Version 2.1