4 Zone IP Based Mixer Amplifier 550W

NORDEN®

IP Based PA System

DESCRIPTION

The NVS-IP100013AM is a multi-zone IP paging amplifier. It is integrated with pre-amplifier function, bass and treble controls are provided to adjust the sound effect and volume of each audio channel. Automatic cooling system ensures the extreme quite sound system. To meet any application scene, such as supermarket, office building, school, etc., it offers multiple external audio interfaces.
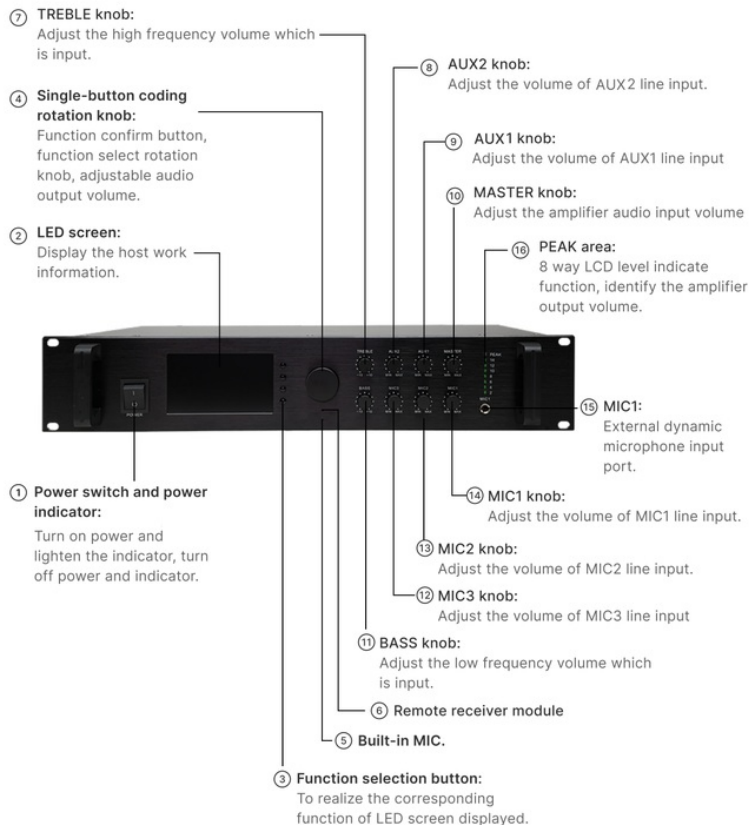
FEATURES

◉ Durable 2U rack design
◉ Equipped with 4.3-inch TFT colour LCD screen and control knob
◉ Supports infrared remote control
◉ Multiple status indicator lights on the front panel for easier maintenance
◉ Built-in digital Class-D 550W amplifier compatible with 100V and 8-16 Ω loudspeakers
◉ Comprehensive protection circuitry against overload and overheating
◉ Four independently controlled output zones for targeted broadcasting
◉ Built-in clock chip for server-independent timed broadcasting, with programs uploaded to a local SD card
◉ Built-in mic and speaker for two-way intercom function
◉ Support relay I/O port to connect with the firm alarm systems

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
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

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Configuration Method	Web Interface or DevConfig Tool
Mounting Method	2U Rack-Mounted
Installation Environment	Dry Indoor Locations Only
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
Colour	Black
Product Dimensions	483x430x88 mm
Product Weight	7.5 Kg
Packaging	Carton Box
Packed Dimensions	560x530x170 mm
Packed Weight	9.5 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:
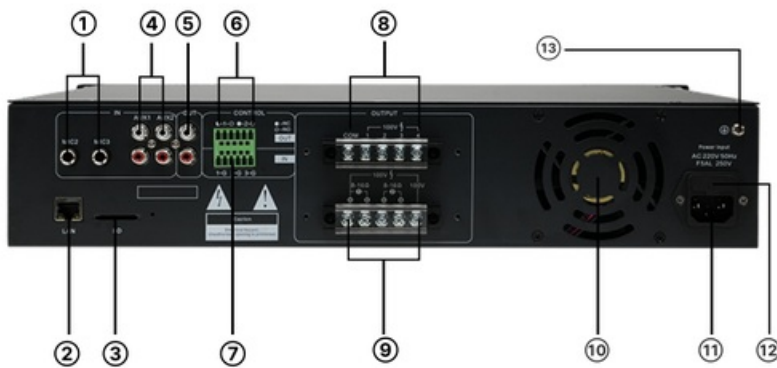To realize the corresponding function of LED screen displayed.

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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 .
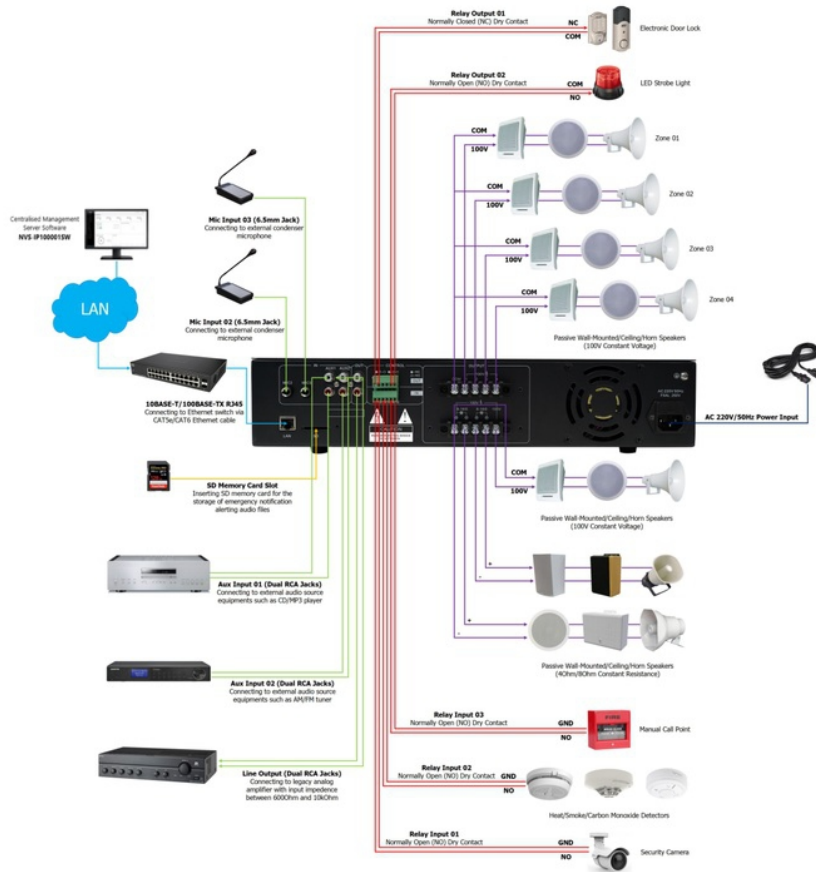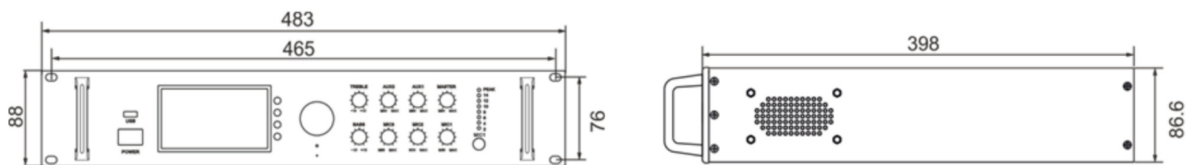
⑩ **Cooling fan**

⑪ **AC220V power input port**

⑫ **Fuse**

⑬ **GND**

NVS-IP100013AM

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CONNECTION DIAGRAM

DIMENSION

ORDERING INFORMATION

Part Number	Description	Standard Quantity
NVS-IP100013AM	4 Zone IP Based Mixer Amplifier 550W	01

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ACCESSORIES INFORMATION

Description	Standard Quantity
6 Pin Pluggable Terminal Block Connector (3.81mm Pitch, AWG 26 16)	02
Flat Head Screw & Washer	04
Quick Installation Guide	01
Quality Certificate & Warranty Card	01
Power Cord	01