

8 ZONE IP ADAPTER

IP BASED PA SYSTEM



DESCRIPTION

The NVS-IP100041AT is an 8-zone IP audio adapter that connects traditional analog amplifiers to IP networks, enabling seamless conversion of analog PA systems. With built-in multi-zone control, it supports independent broadcasting and scheduling, ideal for complex environments like commercial buildings and campuses.

FEATURES

- ◉ 1U rack-mounted design with fast startup ($\leq 1s$) using ARM + DSP chip
- ◉ Integrates with analog PA systems via line output interface
- ◉ 8 independent zones with support for IP microphone paging
- ◉ Controlled power output for external amplifier switching
- ◉ 8 DC 24V relay outputs for third-party device control
- ◉ Supports remote management and online firmware upgrades

Specifications	
Model	NVS-IP100041AT
Power Supply	AC 100-240V 50/60Hz
Standby Power Consumption	$\leq 10W$
Audio Codec	MP2, MP3, PCM, ADPCM
Audio Sampling & Bit Rate	8kHz~44.1kHz, 16bit, 8kbps~320kbps
Frequency Response	20Hz-16KHz
Signal to Noise Ratio (Broadcast Speaker)	$\geq 90dB$
Total Harmonic Distortion	$\leq 0.3\%$, 1kHz
Network Interface	10BASE-T/100BASE-TX RJ45
Network Protocol	TCP/IP, UDP, ARP, ICMP, IGMP
Configuration Method	DevConfig Tool
Mounting Method	1U Rack Mounted
Installation Environment	Dry Indoor Locations Only
Operating Temperature	-10°C~+50°C (14°F~122°F)
Storage Temperature	-20°C~+60°C (-4°F~140°F)
Operating Humidity	$\leq 90\%$ RH (Non Condensing)
Front Panel Material	Brushed Aluminum
Housing Material	Surface Treated Steel Plate
Colour	Black
Product Weight	3.2 Kg
Product Dimension	483x259x44 mm

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FRONT PANEL



① The power switch and power indicator

REAR PANEL



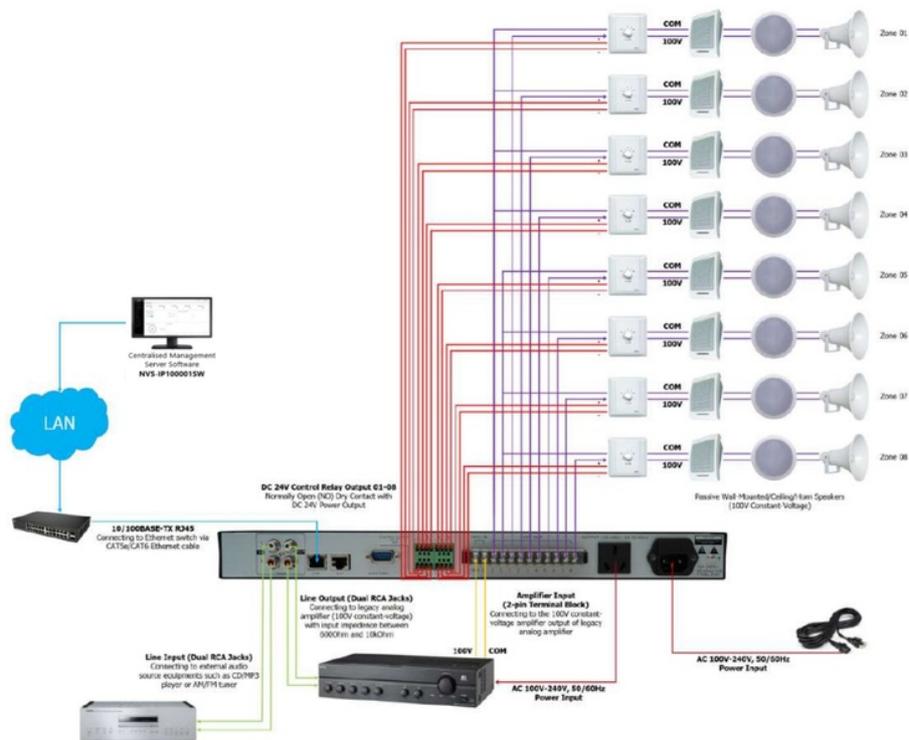
- ① Audio Input Port
- ② Audio Output Port
- ③ Network Input Port
- ④ Short Circuit Output Port
- ⑤ Constant Voltage (100V) Audio Input

- ⑥ Constant Voltage Power Output Interface
- ⑦ Zone Control Output Interface
- ⑧ Power Control Output Port
- ⑨ Power Input Port

NVS-IP100041AT

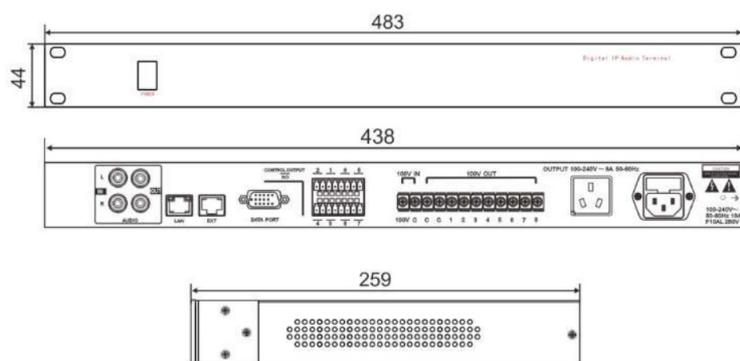
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CONNECTION DIAGRAM



DIMENSION

Unit: mm



ORDERING INFORMATION

Part Number	Description	Standard Quantity
NVS-IP100041AT	8 ZONE IP ADAPTER	01

ACCESSORIES INFORMATION

Description	Standard Quantity
User Manual	01