

NAC-3240

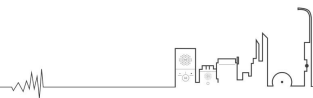
Digital Combined Power Amplifier



SPON Digital Integrated Amplifier NAC-3240 uses a high-performance digital power amplifier, which features high efficiency, high performance, and low distortion.

MAIN FUNCTIONS

1. 1U Rack Mount Design
2. A minimalist and user-friendly engineering design with a front panel displaying status signals, rear-mounted switches and volume knobs to reduce non-professional operations and lower maintenance issues.
3. Built-in high-efficiency digital power amplifier 240W, providing a constant 100V output with an efficiency exceeding 90%.
4. Equipped with front-end signal inputs (1 microphone input, 2 auxiliary line inputs, 1 network audio input). Each audio channel has independent volume control. Additionally, the line inputs support balanced inputs, effectively reducing system connection noise and enhancing the system's signal-to-noise ratio.
5. Includes 1 alarm input and 1 alarm output, capable of linking with peripheral devices.
6. Designed with an internationally universal wide voltage power supply, offering strong adaptability to varying power voltages.
7. Incorporates a comprehensive protection circuit, supporting various protection functions like overload and overheating protection, as well as surge and lightning protection for both power and audio lines including overload protection, thermal protection, lightning protection and surge protection.



SPECIFICATION

POWER PARAMETERS

Power Supply:AC 100V-240V, 50/60Hz

Standby Power Consumption:≤300W

Rated Power Output:240W

Rated Loudspeaker Voltage:100V

AUDIO PARAMETERS

Audio Codec:MP3/PCM/ADPCM/G711.a/G711.u/G729

THD (Total Harmonic Distortion):≤0.3% at 1kHz

S/N (Signal-to-Noise) Ratio:≥84dB

Audio Sampling & Bit Rate:8kHz~44.1kHz, 16bit, 8kbps~320kbps

Frequency Response:80Hz~18kHz

MECHANICAL&ENVIRONMENT PROPERTIES

Mounting Method:Rack Mount

Installation Environment:Dry Indoor Locations Only

Operating Temperature:0°C~+45°C

Operating Humidity:≤90% RH non-condensing

Front Panel Material:Aluminum Alloy

Body Material:Surface-Treated Steel Plate

Color:Black

Product Dimensions:440x300x44mm

Product Weight:3.45Kg

Product Warranty:2 Years

ACCESSORIES

2×Connection Terminal (3.81-5P)

1×Connection Terminal (7.62-4P)

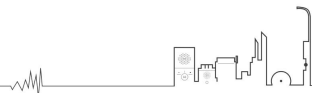
8×Countersunk Head Cross Screw(M3*6)

2×Hanger

4×Foot Pad(Φ12*3)

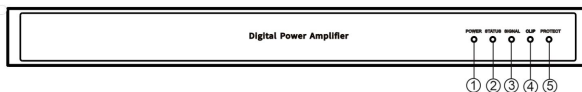
1×Quick Installation Guide

1×Warranty Card&Quality Certificate



INTERFACE DESCRIPTION

[Front Panel]



①Power Indicator Light:When the device is powered on, the red light keeps on.

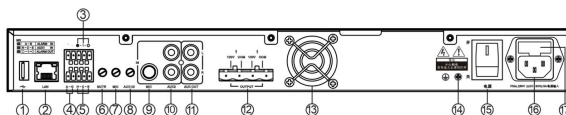
②Status Indicator Light:Reserved

③Signal Indicator Light:The device does not illuminate when there is no signal input, but it lights up in green when there is a signal input.

④Clip Indicator Light:The red light keeps on when the input signal is too large or the output load is too heavy.

⑤Protect Indicator Light:The light keeps on when the amplifier module protection or a fault condition.

[Rear Panel]



①USB Port:Reserved

②RJ45 Port:Reserved

③Relay Input Port:Reserved

④Relay Output Port:Reserved

⑤AUX1: Reserved

⑥Mute Knob

⑦Mic Knob

⑧AUX 1/2 Knob

⑨Mic Input Port

⑩AUX 2 Input

⑪AUX Out

⑫Power Output Port

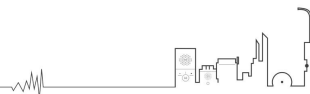
⑬Cooling Fan

⑭GND

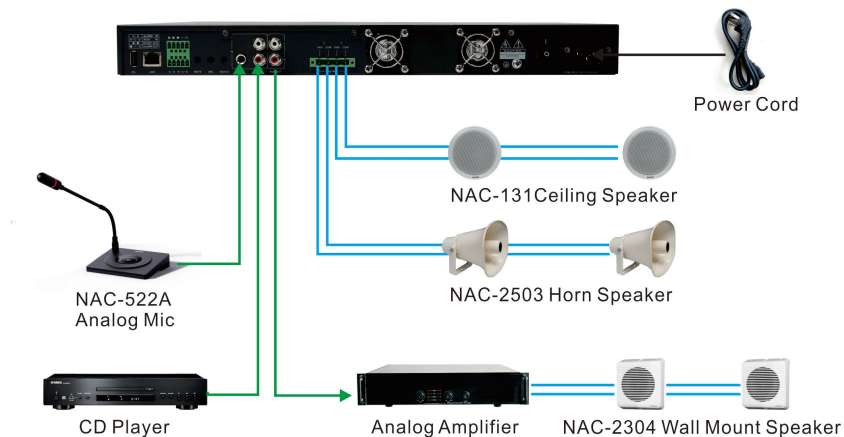
⑮Power Switch

⑯Power Input Port

⑰Fuse

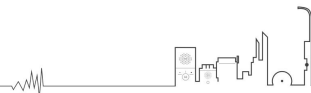
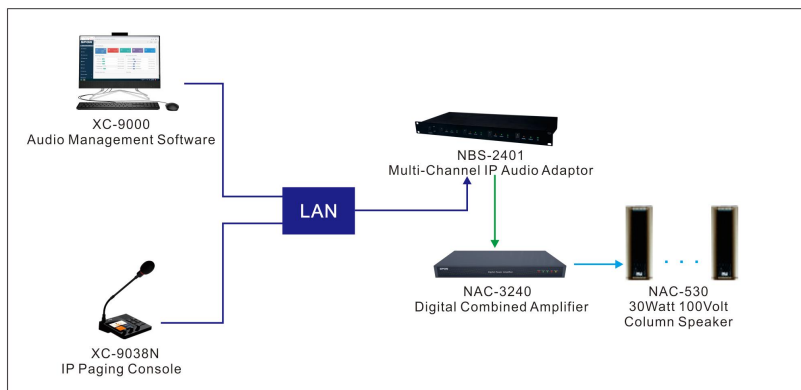


CONNECTION DRAWING

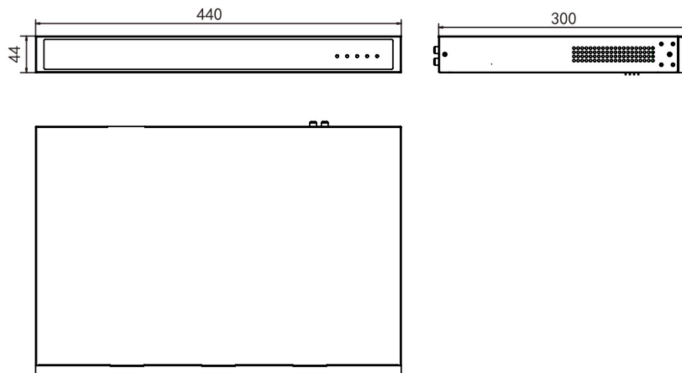


APPLICATION

The digital combined amplifier NAC-3240 with multi-channel audio input, local audio amplification can be achieved; It can also be used as an extended power amplifier to connect IP power amplifier to achieve system expansion.



INSTALLATION



The digital combined amplifier NAC-3120 is in rack-mounted installation with 4pcs of white washers head screws (M3*5). Please refer to the following dimension diagram to put device in suitable cabinet .

