

NAC-3240

Digital Integrated Amplifier



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

- Constant Voltage
100V Output
- Mic Input
- IU Rack
- Line
Input/Output

MAIN FEATURES

▲ Rack Mount Design

- Space-Saving Solution: Occupies minimal space with its 1U rack-mount design, ideal for installations where space is limited.
- Streamlined Installation: Features a design optimized for easy integration into rack systems, simplifying the installation process.
- Durable Construction: Built with sturdy materials to withstand the demands of rack mounting and ensure long-term durability.

▲ User-Friendly Engineering

- Intuitive Interface: Boasts a user-friendly design with a front panel that prominently displays status signals for quick monitoring and troubleshooting.
- Simplified Operation: Rear-mounted switches and volume knobs enhance usability by minimizing complex operations, reducing the risk of errors.
- Maintenance Efficiency: Designed to lower maintenance requirements, reducing downtime and operational disruptions.

▲ High-Efficiency Amplification

- Digital Power Amplifier: Incorporates a high-efficiency digital power amplifier rated at 240W, delivering consistent and reliable 100V output.
- Optimal Performance: Achieves an efficiency exceeding 90%, ensuring optimal performance and energy savings.

▲ Versatile Connectivity And Protection

- Flexible Signal Inputs: Equipped with versatile front-end signal inputs, including microphone, auxiliary line, and network audio inputs, offering flexibility for various audio sources and applications.
- Independent Volume Control: Each audio channel features independent volume control, allowing precise adjustment for customized audio output.
- Alarm Integration: Includes 1 alarm input and 1 alarm output for seamless integration with peripheral devices, enhancing system functionality and versatility.
- Comprehensive Protection: Features a comprehensive protection circuit, safeguarding against overload, overheating, surge, and lightning, ensuring system reliability and longevity.

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SPECIFICATION

POWER PARAMETERS

Power Supply:	AC 220V, 50/60Hz
Power Consumption:	≤300W
Rated Power Output:	240W

AUDIO PARAMETERS

THD (Total Harmonic Distortion):	≤0.3% At 1KHz 1/2 Output Power
S/N (Signal-To-Noise) Ratio:	≥84dB
Frequency Response:	130Hz~18KHz

MECHANICAL & ENVIRONMENT PROPERTIES

Mounting Method:	Rack-Mounted
Installation Environment:	Dry Indoor Locations Only
Operating Temperature:	0°C~+45°C (32°F~113°F)
Operating Humidity:	≤90% RH Non-Condensing
Body Material:	Surface-Treated Steel Plate
Color:	Black
Product Dimensions:	440×300×44mm
Product Weight:	3.45Kg
Product Warranty:	2 Years

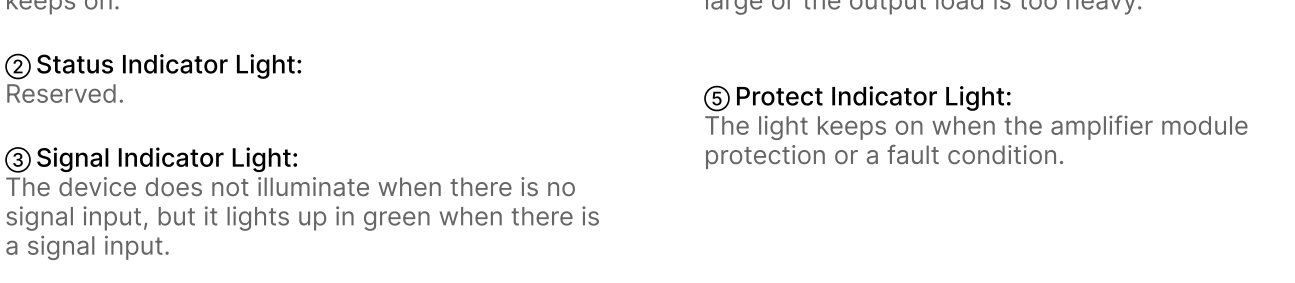
ACCESSORIES

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

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PORTS DESCRIPTION

[Front Panel]



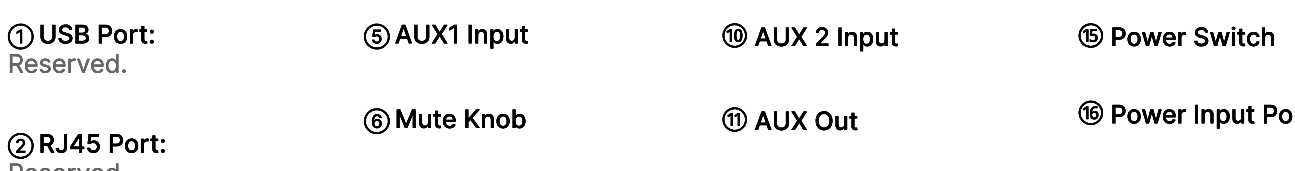
- ① Power Indicator Light:**
When the device is powered on, the red light keeps on.

② Status Indicator Light:
Reserved.

③ Signal 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.
- ④ Clip Indicator Light:**
The red light keeps on when the input signal is too large or the output load is too heavy.

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

[Rear Panel]



- ① USB Port:**
Reserved.

② RJ45 Port:
Reserved.

③ Relay Input Port:
Reserved.

④ Relay Output Port:
Reserved.
- ⑤ AUX1 Input**

⑥ Mute Knob

⑦ Mic Knob

⑧ AUX 1/2 Knob

⑨ Mic Input Port
- ⑩ AUX 2 Input**

⑪ AUX Out

⑫ Power Output Port

⑬ Cooling Fan

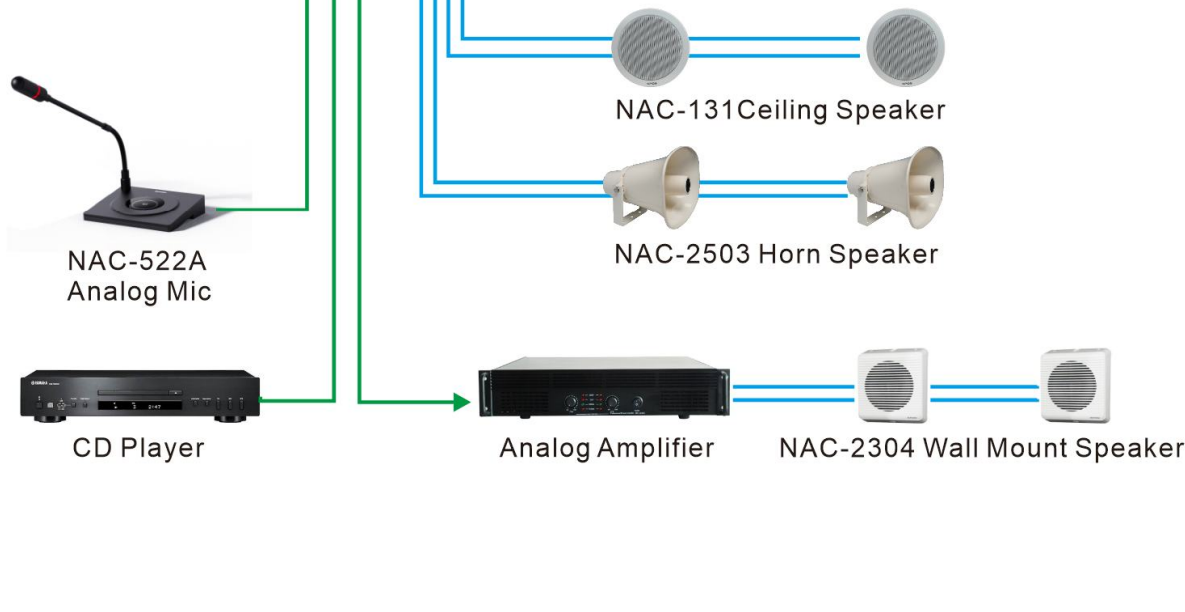
⑭ GND
- ⑮ Power Switch**

⑯ Power Input Port

⑰ Fuse

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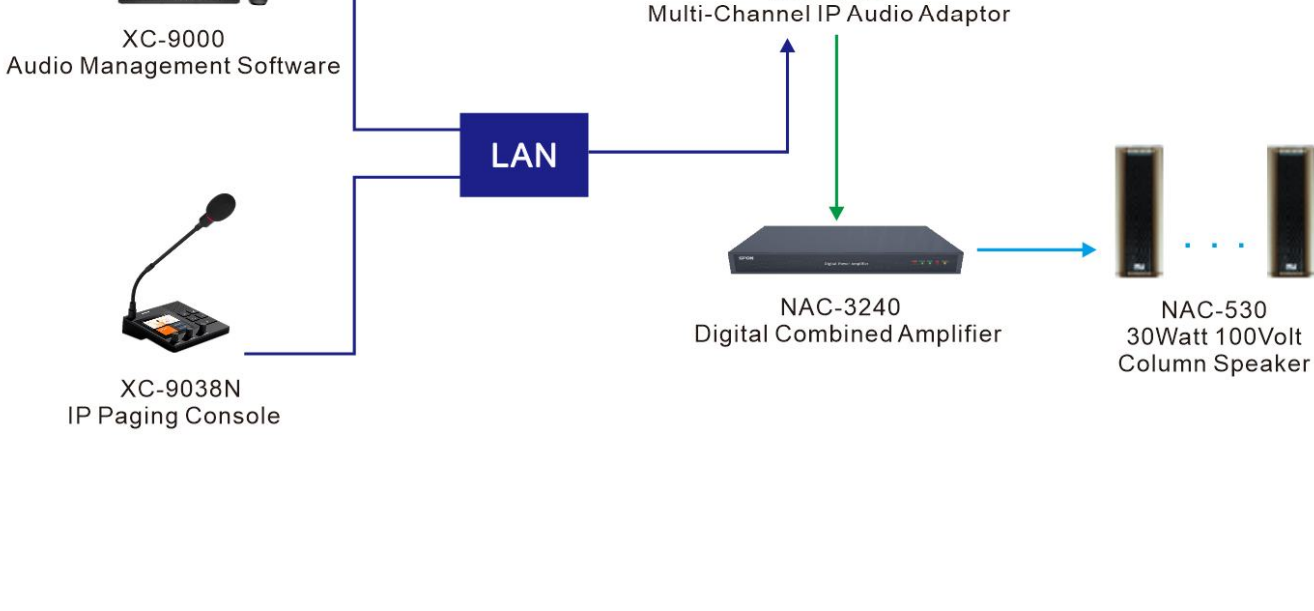
CONNECTION DRAWING



APPLICATION

Application 1

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.



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INSTALLATION

The digital combined amplifier NAC-3240 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 .

