

NAC-4150

Digital Integrated Amplifier



SPON Digital Integrated Amplifier NAC-4150 uses a high-performance digital power amplifier, which features high efficiency, high performance, and low distortion.

- Constant Voltage
100V Output
- Mic Input
- 1U Rack
- Line
Input/Output

MAIN FEATURES

▲ Rack-Mounted Design

- 1U Rack Mount Design: Space-saving and suitable for standard equipment racks, optimizing space utilization.
- Front Panel Display: Features a front panel displaying status signals, enhancing user accessibility and system monitoring.
- Rear-Mounted Controls: Rear-mounted switches and volume knobs reduce non-professional operations, minimizing maintenance issues.

▲ High-Quality Audio Output

- High-Efficiency Digital Amplifier: Built-in 1500W digital power amplifier ensures a constant 100V output with over 90% efficiency, delivering superior audio performance.
- Versatile Signal Inputs: Offers various input options including microphone input, auxiliary line inputs, and network audio input, each with independent volume control for enhanced flexibility and signal management.
- Balanced Inputs: Supports balanced inputs to reduce system connection noise and improve signal-to-noise ratio, ensuring clear and crisp audio reproduction.

▲ Comprehensive Protection And Compatibility

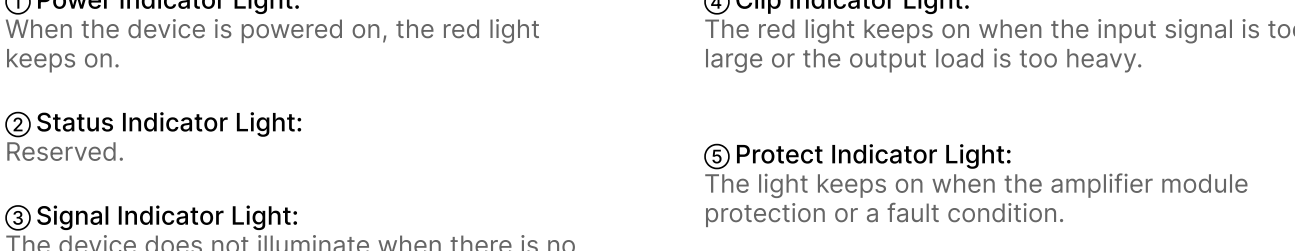
- Alarm Integration: Includes alarm input and output for seamless integration with peripheral devices, enhancing system functionality and monitoring capabilities.
- Protection Circuit: Incorporates a comprehensive protection circuit with overload, overheating, surge, and lightning protection for both power and audio lines, ensuring system safety and reliability in diverse operating conditions.

SPECIFICATION

POWER PARAMETERS		MECHANICAL & ENVIRONMENT PROPERTIES	
Power Supply:	AC 220V , 50HZ	Mounting Method:	Rack-Mounted
Power Consumption:	≤1800W	Installation Environment:	Dry Indoor Locations Only
Rated Power Output:	1500W	Operating Temperature:	-10°C~+50°C
		Operating Humidity:	≤90% RH Non-Condensing
		Body Material:	Surface-Treated Steel Plate
		Color:	Black
		Product Dimensions:	440*300*44mm(L*W*H)
		Product Weight:	4.2Kg
		Product Warranty:	2 Years
AUDIO PARAMETERS		ACCESSORIES	
S/N (Signal-To-Noise) Ratio:	>84dB	2 × Connection Terminal (3.81-5P)	
THD (Total Harmonic Distortion):	≤0.3% At 1KHz 1/2 Output Power	1 × Connection Terminal (7.62-4P)	
Frequency Response:	130Hz~18KHz	8 × Countersunk Head Cross Screw(M3*6)	
		2 × Hanger	
		4 × Foot Pad(Φ12*3)	
		1 × Quick Installation Guide	
		1 × Warranty Card & Quality Certificate	

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

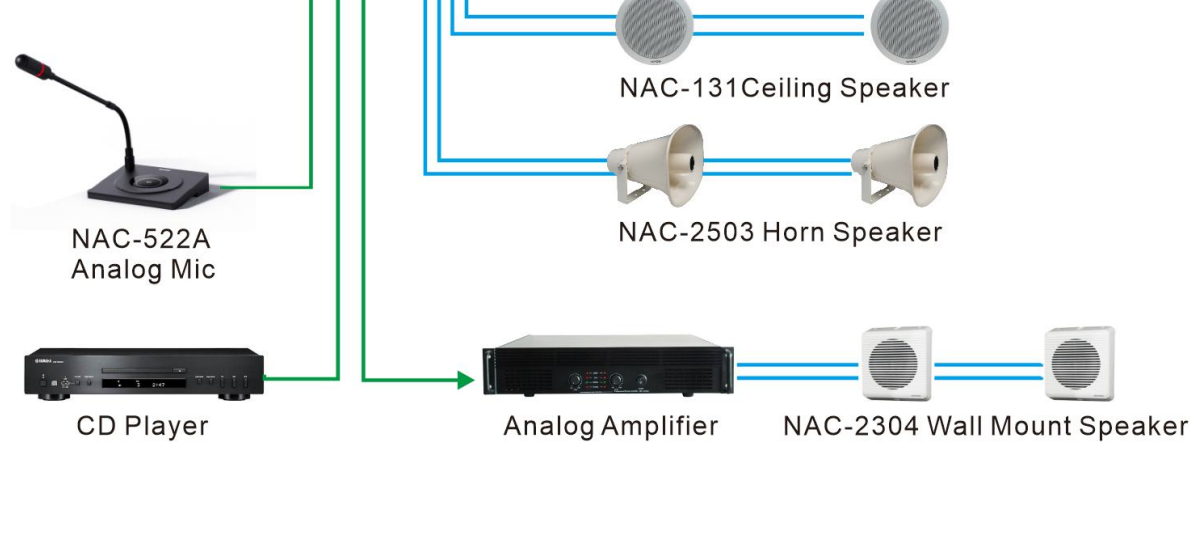
⑬ Cooling Fan

⑭ GND
- ⑮ Power Switch**

⑯ Power Input Port

⑰ Fuse

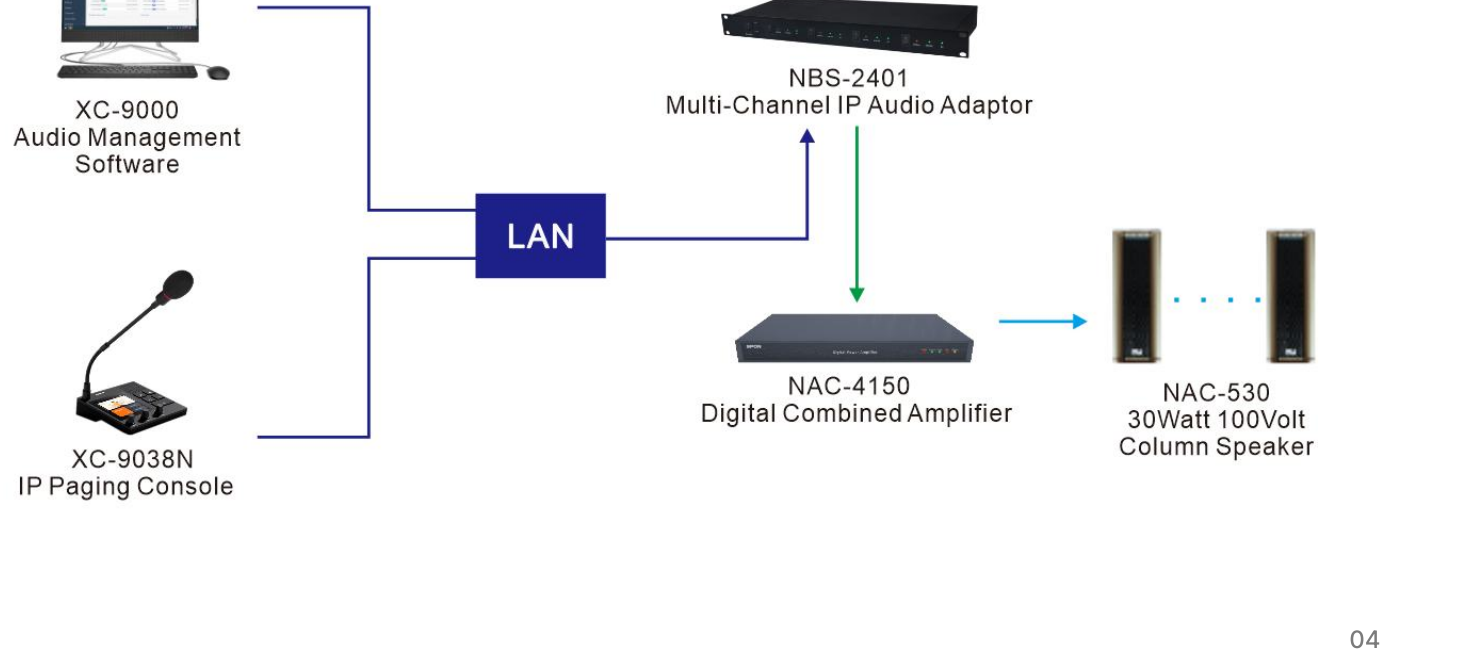
CONNECTION DRAWING



APPLICATION

Application 1

The digital combined amplifier NAC-4150 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-4150 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 .

