

NXT-2102

Cloud Wall Mount Amplifier

NXT-2102 with Embedded SPON Proprietary IPAudio Digital Network Audio Technology. It's only half the size of a household TV box, with a concealed bracket for wall-mounting or installation with compatible speakers. It features dual audio input and output, Bluetooth, a WiFi module, and additional functions. It has independent dual-channel power output and can also be used for zoning in smaller areas.

Remote Control | Bluetooth | 1 Mic/Line Input | 1 Line Input | Mobile App

MAIN FEATURES

▲ Innovative Design

- Wall-mounted installation：with an innovative bracket design for convenient and quick setup.
- LED Status Indicators: Equipped with LED lights that indicate the operational status of the terminal.

▲ Audio Input/Output Versatility

- Dual Line Inputs: Features two line inputs for connecting external audio sources and amplification.

- Line Output: One line output for audio output to other amplification systems.

- Local Input Control: Local input with adjustable volume and input sensitivity detection to avoid generating background noise.

▲ Multifunctional Audio Integration

- Dual Network Interfaces: Equipped with dual network interfaces for data forwarding.

- Teaching Redirection: Supports redirection to teaching computers, all-in-one machines, or peer-to-peer connections to another terminal.

- Class D Digital Amplifier: Built-in Class D digital amplifier with fixed 2×15W output for CD-quality audio.

- Bluetooth Connectivity: Integrated bluetooth module for direct connection to mobile devices, enabling bluetooth amplification.

- Black/White List Settings: Supports customizable black and white list settings for enhanced security.

SPECIFICATION

POWER PARAMETERS	
Power Supply:	DC 24V/2A ,PoE(IEEE802.3AF/AT)
Rated Power Output:	2×15W
Rated Loudspeaker Impedance:	4ohm

NETWORK PARAMETERS	
Network I/F:	10BASE-T/100BASE-TX RJ45
Network Protocol:	HTTP, TCP/IP, UDP, ARP, ICMP, IGMP
Configuration Method:	Web Interface

AUDIO PARAMETERS	
THD (Total Harmonic Distortion):	≤0.5% @Rate_1/2 Power Output
S/N (Signal-To-Noise) Ratio:	≥83dB
Audio Sampling & Bit Rate:	8kHz~192kHz, 16bit/24bit
Frequency Response:	20Hz~20kHz
Input Sensitivity:	MIC: -20dB/10KΩ
Input Impedance:	AUX:0dB/10KΩ

MECHANICAL&ENVIRONMENT PROPERTIES	
Mounting Method:	Wall-Mounted
Installation Environment:	Dry Indoor Locations
Operating Temperature:	0°C~+45°C
Operating Humidity:	~ 95%
Body Material:	Medium Density Fiberboard
Color:	Black
Mask Material:	Knit Fabric
Product Dimensions:	110X110X42mm
Product Weight:	0.25Kg
Product Warranty:	2 Years

ACCESSORIES
1×Power Adaptor(DC 24V/2A)(Optional)
2×Two-Hall Round Head Phillips Screws(ST-4×20)
1×Cross Wall Hanging Bracket
1×Round Wall Hanging Bracket
2×Terminal(3.81-4P)
2×Plastic Expansion Sleeve(7*)
1×Quick Installation Guide
1×Quality Certificate
1×Warranty Card

INTERFACE DESCRIPTION

[Front Panel]



Indicator Light Status	Device Status
White steady light	Power On
Green flashing	Normal Working
Red flashing	Request Login
Blue flashing	Network Abnormal

[Rear Panel]



① 1: Network Port ,support PoE
2:Cascading Port ,connect to other network device.

② Constant Resistance Output Interface

③ Constant Resistance Output Interface

④ Mic Input Interface

⑤ Line Output Interface

⑥ Line Input Interface

⑦ Power Input (DC24V/2A)

⑧ USB 2.0 (Optional)

CONNECTION DIAGRAM



APPLICATION

Application 1

SPON NXT-2102 Cloud Wall Mount Amplifier is suitable for any small size project ,such as chain stores, convenience stores, private residences and other scenes .It is plug and play device ,after it register to the cloud server ,user can use mobile to manage at everywhere in the world.



DIMENSION DRAWING

[Cross wall mounting bracket installation]



[Round wall mounting bracket]

