

NXT-2102

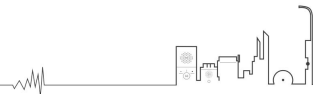
Cloud-Based POE Wall Mount Amplifier



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 local audio input and output, Bluetooth connectivity, a WiFi module, and additional functions. It has independent dual-channel power output and can also be used for zoning in smaller areas.

MAIN FUNCTIONS

1. Equipped with dual network interfaces, capable of data forwarding, and supports redirection to teaching computers, all-in-one machines, or peer-to-peer connections to another terminal.
2. Features two line inputs for external audio sources and amplification.
3. One line output for audio output to other amplification systems.
4. Local input with adjustable volume and input sensitivity detection to avoid generating background noise.
5. Wall-mounted installation with an innovative bracket design for easy setup.
6. Equipped with LED status indicator lights to display terminal operation status.
7. Equipped with a built-in Class D digital amplifier with fixed 2*15W output, delivering CD-quality sound output and receiving broadcasts (digital noise reduction).
8. Built-in Bluetooth module for direct connection to mobile devices, enabling Bluetooth amplification, and allowing for black/white list settings.



SPECIFICATION

Power Parameters

Power Supply: DC 24V/2A ,PoE IEEE802.3AF/AT

Rated Power Output:2×15W

Rated Loudspeaker Impedance:4ohm

Audio Parameters

THD (Total Harmonic Distortion):≤0.5% @1kHz , 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

Network Parameters

Network I/F:10BASE-T/100BASE-TX RJ45

Network Protocol:HTTP, TCP/IP, UDP, ARP, ICMP, IGMP

Configuration Method:Web Interface

Mechanical&Environment Properties

Mounting Method:Wall-mounted

Installation Environment:Dry Indoor Locations Only

Operating Temperature:-10°C~+50°C (14°F~122°F)

Operating Humidity:≤90% RH non-condensing

WIFI:2.4G

Bluetooth:4.0

Body Material:Plastic

Color:Black

Product Dimensions:110x110x42mm

Product Weight:0.25Kg

Product Warranty:2 Years

Accessories

1×Power adaptor (DC 24V/2A)

2×Two half-round head Phillips screws(ST-4*20)

1×Cross Wall Hanging Bracket

1×Round Wall Hanging Bracket

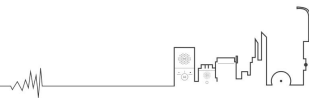
2×Terminal(3.81-4P)

2×Plastic expansion sleeve(F7)

1×Quick Installation Guide

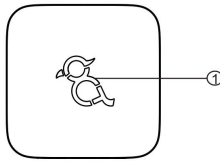
1×Quality Certificate

1×Warranty Card



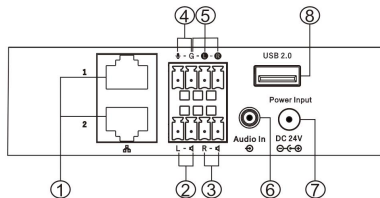
INTERFACE DESCRIPTION

[Front Panel]

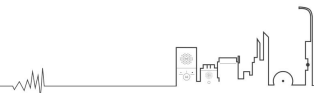


Indicator Light Status	Device Status
White steady light	Power On
Green flashing	Normal Working
Red flashing	Request Login
Blue flashing	Network Abnormal

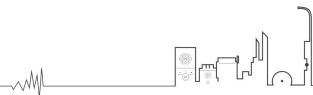
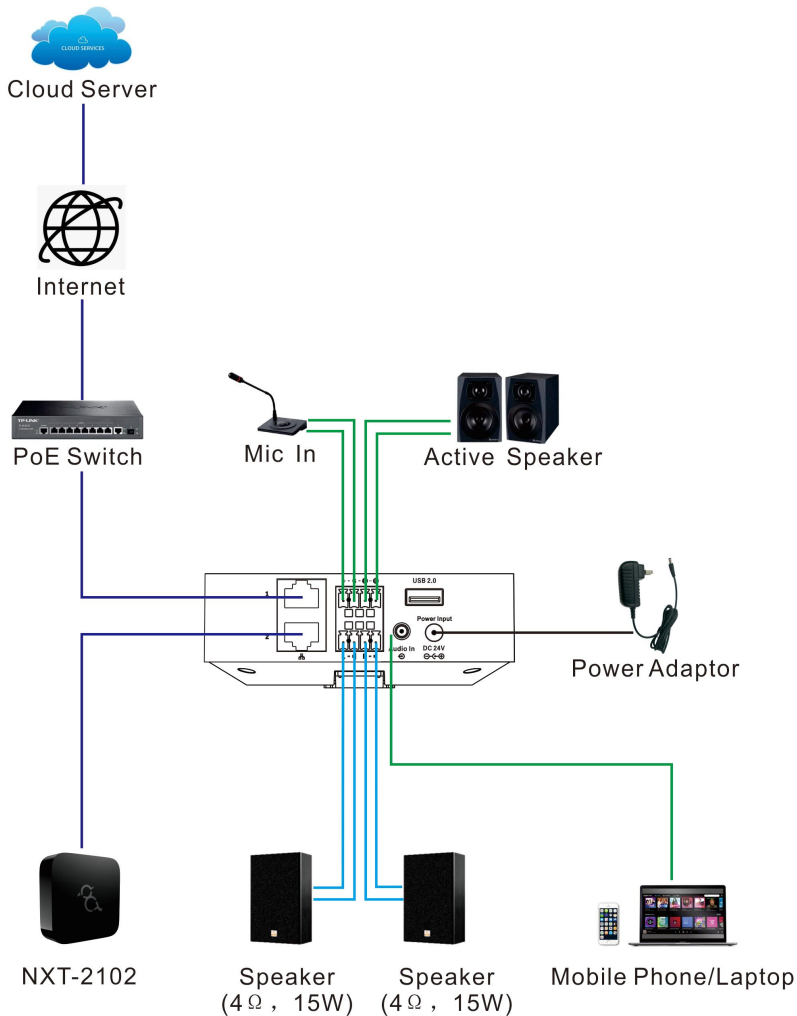
[Rear Panel]



- 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)



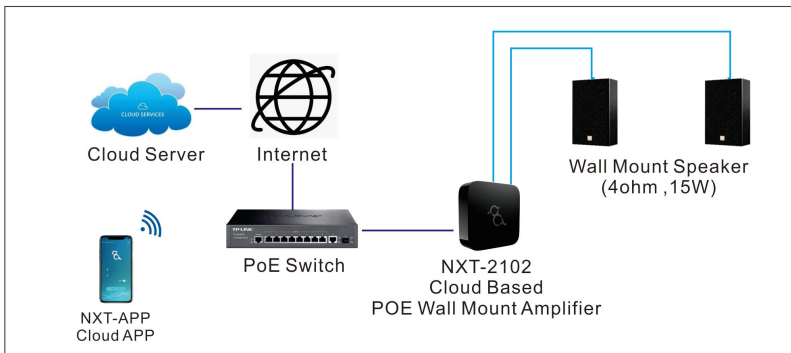
CONNECTION DIAGRAM



APPLICATION

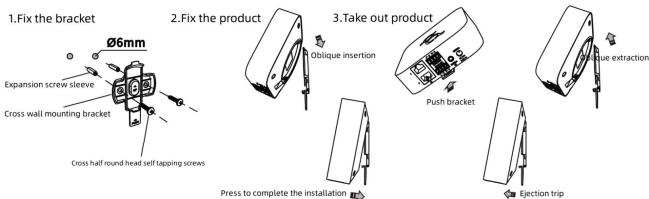
Application 1

SPON NXT-2102 Cloud Based POE 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.



INSTALLATION DRAWING

[Cross wall mounting bracket installation]



[Round wall mounting bracket]

