



## 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 local 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

Equipment

SPON Digital Amplifier

SPON Digital Amplifier

Effortless Set-Up

## 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		MECHANICAL&ENVIRONMENT PROPERTIES	
Power Supply:	DC 24V/2A ,PoE IEEE802.3AF/AT	Mounting Method:	Wall-Mounted
Rated Power Output:	2×15W	Installation Environment:	Dry Indoor Locations
Rated Loudspeaker Impedance:	4ohm	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
NETWORK PARAMETERS		ACCESSORIES	
Network I/F:	10BASE-T/100BASE-TX RJ45	1×Power Adaptor(DC 24V/2A)(Optional)	
Network Protocol:	HTTP, TCP/IP, UDP, ARP, ICMP, IGMP	2×Two Half-Round Head Phillips Screws(ST-4*20)	
Configuration Method:	Web Interface	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	
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		

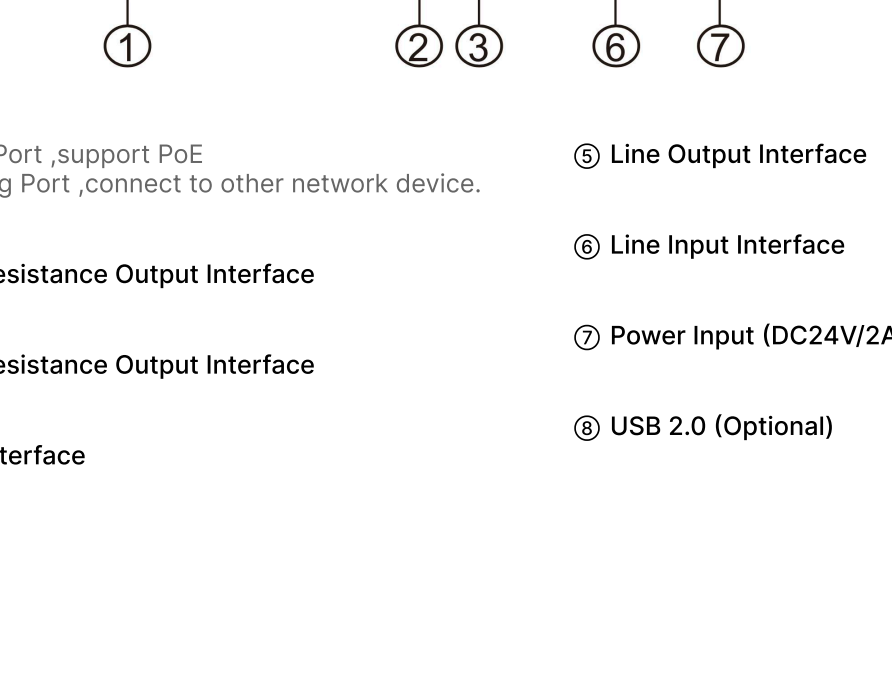
## INTERFACE DESCRIPTION

[ 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)

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## CONNECTION DIAGRAM

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## APPLICATION

I 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.

Cloud Service

Internet

Ethernet Switch

NXT-2102 Cloud Based POE Wall Mount Amplifier

Wall Mount Speaker (4ohm ,15W)

NXT-APP Cloud APP

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NXT-2102

## DIMENSION DRAWING

[ Cross wall mounting bracket installation ]

1.Fix the bracket

2.Fix the product

3.Take out product

[ Round wall mounting bracket ]

1.Fix the bracket

2.Fix the product

3.Take out product

SPON


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