

# NBS-2301P13

Multi-Zone IP Mixer Amplifier



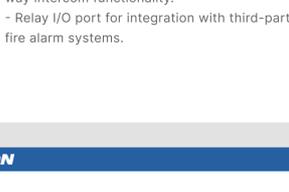
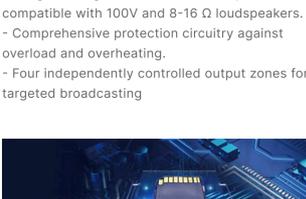
SPON Multi-Zone IP Mixer Amplifier NBS-2301P13 provides multiple external audio interface to meet any application scene, such as supermarket, office building, school, etc. Integrated with pre-amplifier function, Bass and treble controls are provided to adjust the sound effect and volume of each audio channel. Automatic cooling system ensures the extreme quiet sound system. This amplifier can be called as 4 zone audio amplifier.



## MAIN FEATURES

### Design & Interface

- Durable 2U rack design with a 4.3-inch TFT color LCD screen and control knob.
- Infrared remote control compatibility and multiple status indicator lights for easy maintenance.

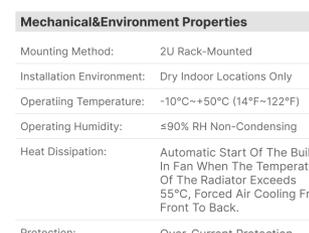


### Powerful Audio Control & Protection

- Integrated digital Class-D 130W amplifier compatible with 100V and 8-16 Ω loudspeakers.
- Comprehensive protection circuitry against overload and overheating.
- Four independently controlled output zones for targeted broadcasting

### Built-in Features & Connectivity

- Internal clock chip for server-independent timed broadcasting, with programs uploaded to a local SD card.
- Built-in microphone and speaker enabling two-way intercom functionality.
- Relay I/O port for integration with third-party fire alarm systems.



## SPECIFICATION

Power Parameters	
Power Supply:	AC 220V, 50Hz
Rated Output:	130W
Power Consumption:	≤170W

Audio Parameters	
Audio Codec:	MP2, MP3, PCM, ADPCM
S/N (Signal-To-Noise) Ratio:	Mic Input 01: ≥66dB, Mic Input 02/03: ≥80dB, Aux Input 01/02: ≥75dB
Audio Sampling & Bit Rate:	8kHz~44.1kHz, 16bit, 8kbps~320kbps
THD (Total Harmonic Distortion):	≤0.5% At 1kHz, 1/2 Rated Output Frequency
Frequency Response:	130Hz~16KHz

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

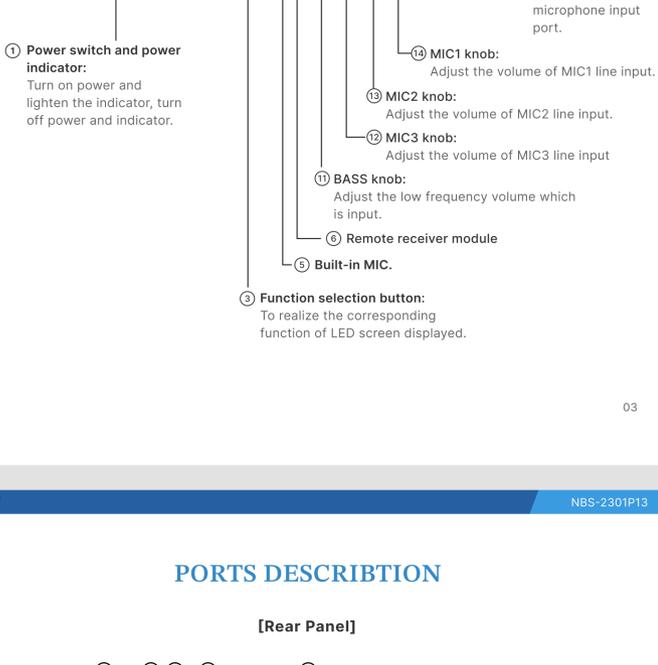
Accessories	
2×6-Pin Pluggable Terminal Block Connector (3.81mm Pitch, AWG 26-16)	
4×Flat Head Screw & Washer	
1×Quick Installation Guide	
1×Quality Certificate&Warranty Card	
1×Power Cord	

Compliance	
CE (EMC Directive 2014/30/EU)	
CE (LVD Directive 2014/35/EU)	

Mechanical&Environment Properties	
Mounting Method:	2U Rack-Mounted
Installation Environment:	Dry Indoor Locations Only
Operating Temperature:	-10°C~+50°C (14°F~122°F)
Operating Humidity:	≤90% RH Non-Condensing
Heat Dissipation:	Automatic Start Of The Built-In Fan When The Temperature Of The Radiator Exceeds 55°C, Forced Air Cooling From Front To Back.
Protection:	Over-Current Protection, Short-Circuit Protection, Overload Protection, Thermal Protection
Front Panel Material:	Aluminum Alloy
Housing Material:	Surface-Treated Steel Plate
Color:	Black
Product Dimensions:	483×430×88mm
Product Weight:	7.5KG
Packaging:	Carton Box
Packed Dimensions:	560×530×170mm
Packed Weight:	9.5KG
Product Warranty:	2 Years Limited

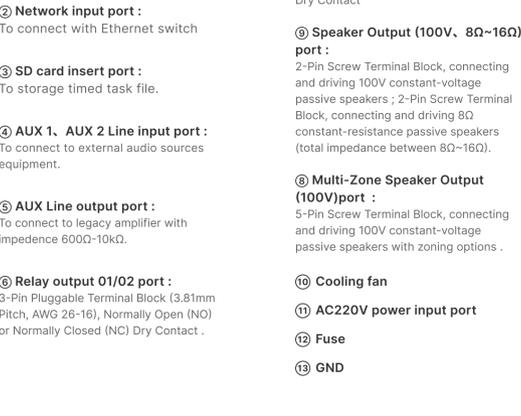
## PORTS DESCRIPTION

### [Front Panel]

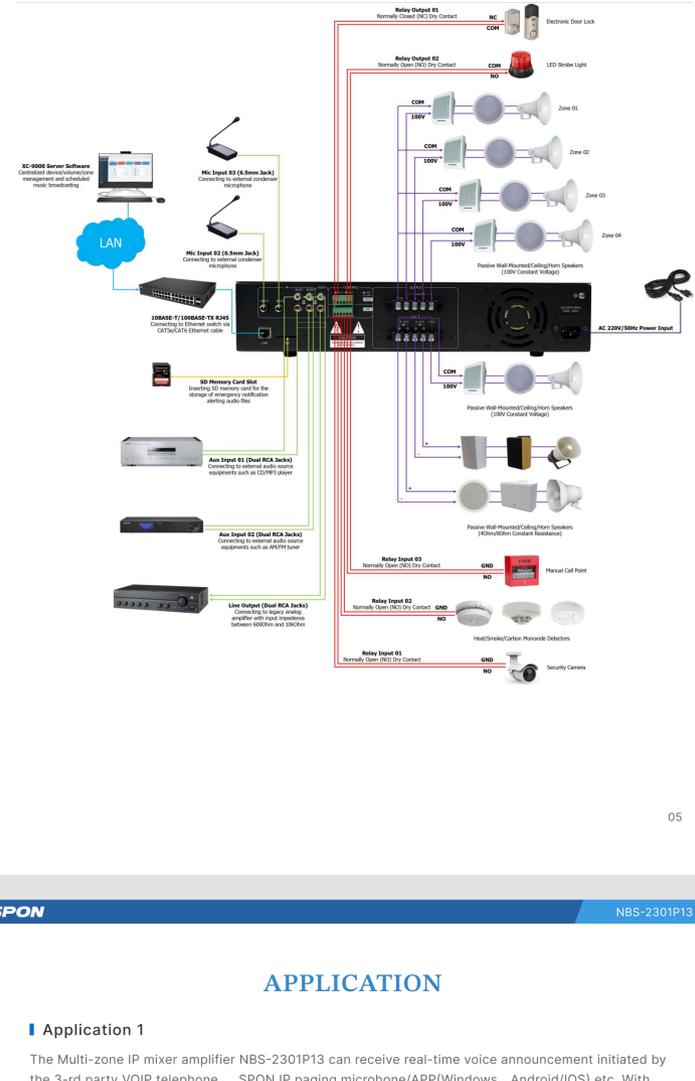


## PORTS DESCRIPTION

### [Rear Panel]



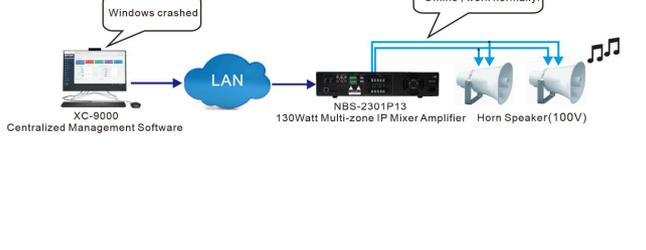
## CONNECTION DIAGRAM



## APPLICATION

### Application 1

The Multi-zone IP mixer amplifier NBS-2301P13 can receive real-time voice announcement initiated by the 3-rd party VOIP telephone, SPON IP paging microphone/APP(Windows, Android/iOS), etc. With built-in amplifier and line output interface, the voice can be transmitted to external passive speaker for amplification.



### Application 2

The Multi-zone IP mixer amplifier NBS-2301P13 support offline timed broadcasting, the offline timed program need to be pre-uploaded on SD card of the amplifier, when the windows crashed, the system can normally work.



## APPLICATION

### Application 3

The Multi-zone IP mixer amplifier NBS-2301P13 support to automatic broadcast alarm tone when receiving relay input signal from the 3-rd party system (For example, IP camera of surveillance system, Emergency button of Fire alarm system), the alarm tone need to be pre-set on schedule task of XC-9000 software.



## DIMENSION DRAWING



Multi-zone IP mixer amplifier NBS-2301P13 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.

## CASE

