XC-9610

IP CEILING SPEAKER

MAIN FUNCTIONS

Basic functions

- Receive broadcast: receive the broadcast initiated from other terminal station or server.
- Modify the parameters (audio parameters, network parameters, or login password, and so on) via WEB to realize personalized settings.
- Power supply via POE(POE over Ethernet)-only one Ethernet cable required.
- SIP protocol.
- Each loudspeaker can be addressed and configured individually.
- End-to-end monitoring of connection and loudspeaker functionality.
- High Volume capacity and superior speech quality thanks to the integrated 10 watt class-D amplifier and eHD voice.
- No need for central amplifiers to realize small-sized and remote PA zones.
- Loudspeakers can be allocated to groups and zones.

Audio functions

- Line input: be connected to other audio signal as broadcast audio recourse.
- Line output: support line output audio signal.
- IVC(Intelligent Volume Control) automatically adjusts the volume setting to the ambient noise level
- Scheduled program broadcasting: uploading the audio resource needed to be played for every day to the server, and making the plan for broadcasting task. IP Ceiling Speaker can play the planned task automatically which is settings by server.

Additional functions

- Loop detection: with self-inspection function, and the working status can be detected.
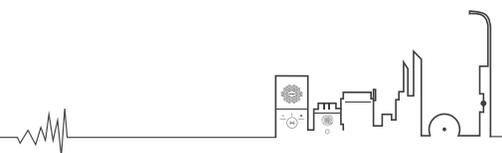
SPECIFICATIONS

XC-9610		
Audio	Audio streaming	One-way/two way, mono
	Audio compression	G.711a, G.711u, PCM, MP3
	Audio input	Built-in MIC
	Built-in MIC	Frequency response 20Hz-20KHz, dB -45dB
Speaker	Speaker component	5 in coaxial ceiling type
	Max SPL	97dB±3dB
	Frequency response	100Hz~18KHz
	Sensibility	88dB±3dB/W/M
Amplifier	Built-in amplifier	30W class D amplifier
	Security	Password protection, IP address filtering, 802.1x network access control
	Supported protocols	IPv4/v6c, HTTP, RTP, TCP, UDP, IGMP, ARP, SIP
Network	Voice announcement	Voice announcement through built in SIP support for connection to any IP telephone/ VoIP system
	VoIP	Support for SIP protocol to realize network transmission of audio and PBX
	Intelligent detection	MIC self-detect (via built-in MIC)
	Extended support	15W vice speaker
	Event actions	It can be realized the broadcast, alarm and other functions with XC-9000 software
	Shell color	Grey white
	Shell material	Plastic
System integration	Grille material	Steel
	Grille surface treatment	Surface spraying
	Memory	RAM 128M
	Power	24V/1A or POE （IEEE 802.3af）
	Interface	RJ45(support for POE （IEEE 802.3af）)
	Reliability	Designed for 24/7 operation
	Operating conditions	-20°C to 50°C (4°F to 122°F) Humidity < 90% RH (no condensing)
	Storage conditions	-40°C to 65°C (-40°F to149°F)
	Approvals	CE, 3C
	Dimensions	Ø231 x 165 mm (11.02 x 3.62 in)
	Weight	1.4KG
	Included accessories	Wiring terminal (3.81-2P) 1 pcs, waterproof connector 1 set, installation manual 1 pcs, certificate and warranty card 1 pcs
	Optional accessories	24V/1A power adaptor 1 pcs
	Languages	Simplified Chinese, English
	Warranty	3 Years

INSTALLATION

Φ 213mm

165mm

Φ 173mm
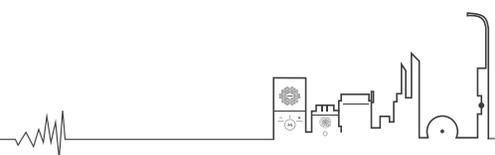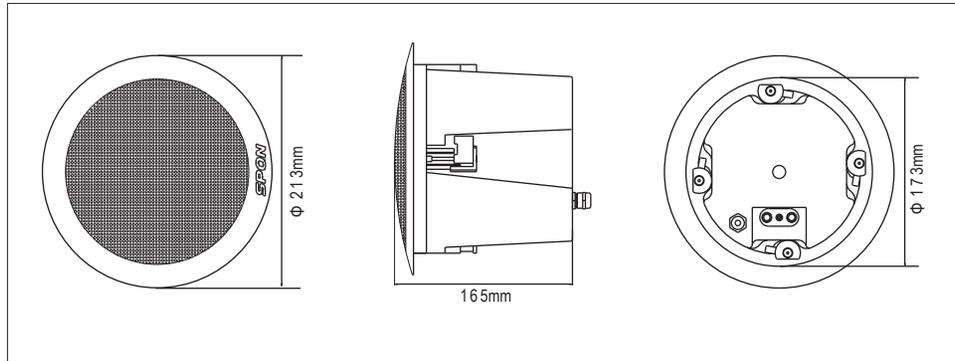
1. Drilling a hole, the size please refer to the dimension diagram.

2. Connecting the network cable with the IP Ceiling Speaker. (The network cable should be placed in the hole).

3. Placing the speaker in a suitable place to the hole, and ensure it is fixed well.
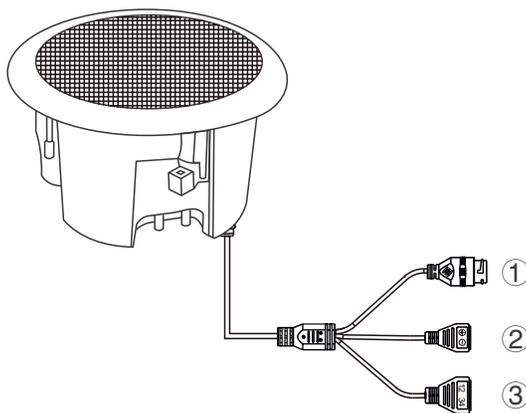
① Network interface: connect with network switcher or POE switcher via network cable.

② Power interface: DC24V/1A (POE supply, and it needn't to connect with the power if connected with POE switcher already).

Notes: ③ is for reserved.
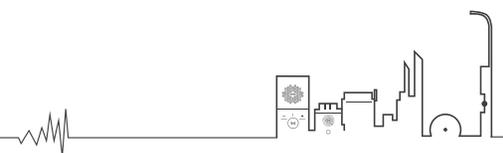
APPLICATION

Application 1

IP Ceiling Speaker is work with SPON XCoIP protocol, and it will be ok for SIP phone to make broadcasting to one or more IP Ceiling Speaker.

Server Software XC-9000   SIP Phone   IP Paging Microphone NAS-8502   XC-APP

IP-NETWORK

IP Ceiling Speaker XC-9610
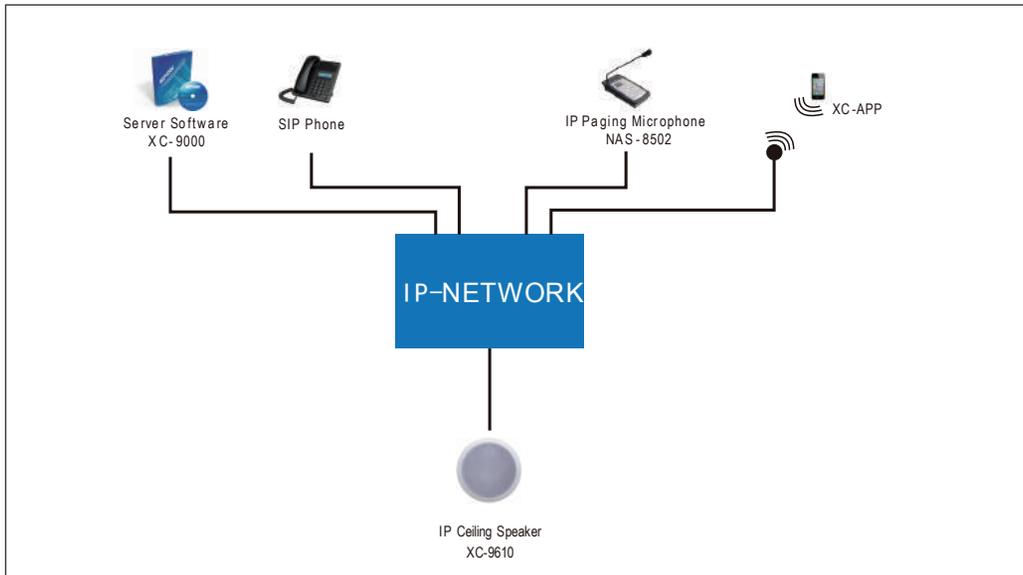
Application 2

IP Ceiling Speaker is work with standard SIP protocol, and it will be ok for registering to the mainstream IP-PBX and receiving SIP calls or initiating the broadcast.

IP PBX   SIP Phone   IP Video Console XC-9031V   SIP Softphone

IP-NETWORK

IP Ceiling Speaker XC-9610
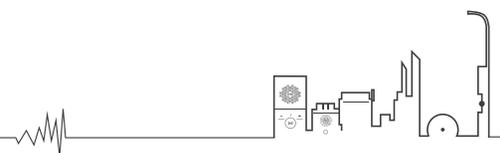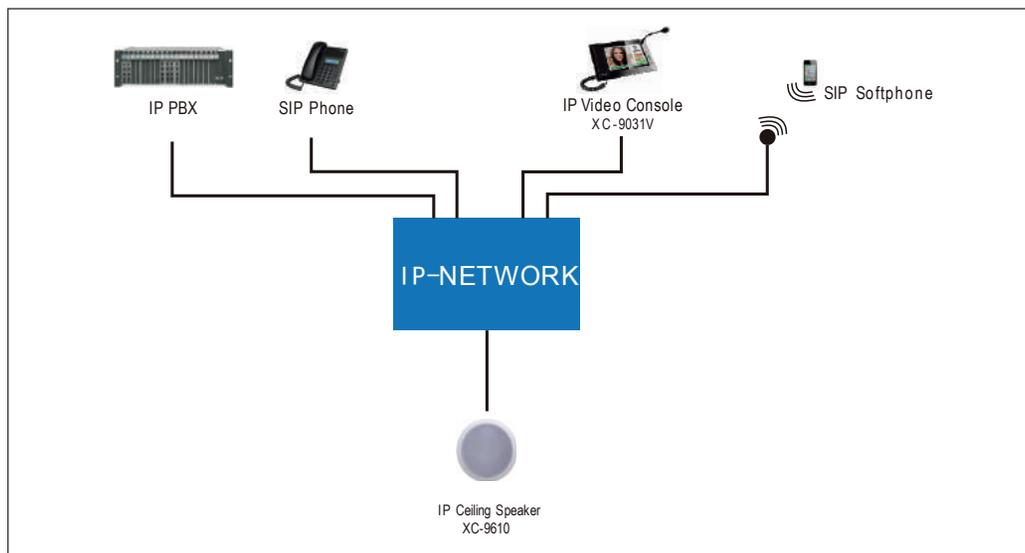
Application 3

Without the SIP PA server, the IP Ceiling Speaker initiate broadcasting through receiving SIP calls or SIP soft calls to dialing IP address or multicast address.

SIP Phone   SIP Softphone

IP-NETWORK

IP Ceiling Speaker
XC-9610
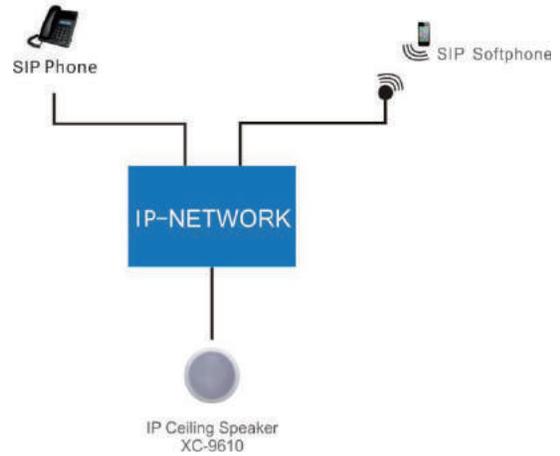
Application 4

IP Ceiling work with multicast and different priority levels. It will be ok for multicast software broadcasting audio files to one and more than one of IP Wall-Mounted speakers, and high-priority multicast address broadcasting can end low-priority multicast address broadcasting.

Multicast Software 1   · · ·   Multicast Software n

IP-NETWORK

IP Ceiling Speaker
XC-9610
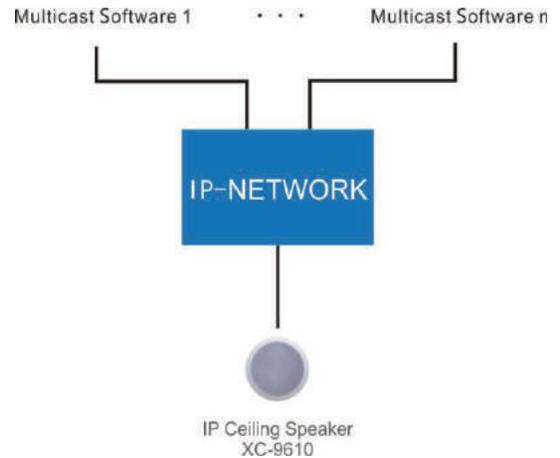
Application 5

IP Ceiling Speaker has environmental noise monitoring function, and it can automatically adjust the volume according to the site environmental noise to ensure the clear and recognizable voice in any time.

IP-NETWORK

IP Ceiling Speaker
XC-9610

Level 15
Level 10
Level 0   Idle
Noise
Intelligent Volume Control(Automatic)