# VOX-SPK-400
# Network Cabinet Speaker





Bluetooth SIP POE Multicast

## INTRODUCTION

VOX-SPK-400 is a PoE/DC-powered wall-mounted network speaker that supports SIP and VMS calls, up to 20 multicast streams, storage for 20 audio files, priority management, scheduled playback, and HTTP API-triggered custom event actions for schools, stores, and other public audio applications.

## MAIN FEATURES

- **Multi-Source Audio Reception:** Supports reception of SIP audio, ONVIF audio, Bluetooth audio, and multicast streams.
- **Local Audio Storage:** Built-in 80 MB local storage for up to 20 WAV/MP3 audio files.
- **Audio Input:** Provides one audio input with MIC/LINE selectable via the web interface.
- **Control I/O:** Provides two control inputs and one control output, with support for 12 V DC output.
- **HTTP API Trigger:** Supports HTTP API for triggering local file playback.
- **Scheduled Playback:** Built-in scheduler for timed playback of local audio files.
- **Flexible Power Supply:** Supports PoE / PoE+ and DC power supply.

VoiceOFF

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## PARAMETERS:

| | |
|---|---|
| Network Interface | 10/100Base-TX, RJ45 |
| PoE | IEEE 802.3af/at |
| Power Input | 1 × DC 24 V |
| Network Protocols | TCP/IP, UDP, HTTP, RTP, RTSP, ARP, ICMP, NTP, SIP, ONVIF, DHCP |
| Configuration | Web interface |
| Audio Transmission | Multicast, up to 20 streams (editable) |
| Audio Codec | Opus, PCMU (G.711u), PCMA (G.711a), G.722 |
| Audio File Format | WAV, MP3 |
| Audio Storage | 80 MB local storage, up to 20 audio files |
| Audio Stream | WAV 8/16/22/44.1/48 kHz, 8/16-bit, mono/stereo; MP3 32/44.1/48 kHz, 64–320 kbps, CBR/VBR, mono/stereo |
| Audio Input | 1 × Line/MIC input, balanced, switchable |
| Input Sensitivity | -10 dB (Line), -20 dB (MIC) |
| Bluetooth Input | 1 × 2.4 GHz |
| Frequency Response | 100 Hz to 18 kHz |
| SNR | ⩾85 dB |
| Amplifier | Built-in |
| Rated Power | 15 W (PoE/PoE+), 30 W (DC 24 V) |
| Speaker Component | 5" woofer + 1" tweeter |
| Sensitivity | 88 dB (1 m / 1 W / 1 kHz) |
| Max. SPL | 103 dB (1 m / 30 W / 1 kHz) |
| Coverage Pattern | 884 Hz H180° / V120°; 1.77 kHz H104° / V140°; 3.54 kHz H60° / V82°; 7.07 kHz H112° / V115° |
| Control/Alarm Input | 2 |
| Control/Alarm Output | 1 × relay output / 12 V DC output, switchable |
| Microphone | Electret condenser microphone |
| Directionality | Omnidirectional |
| Microphone Installation | Built-in |
| Microphone Sensitivity | -45 ± 3 dB |
| Microphone SNR | 58 dB |
| Max. Input Sound Level | 110 dB (THD < 1%) |
| Housing Material | Iron, ABS |
| IP Rating | IP66 |
| Colour | White |
| Mounting | Wall-mounted |
| Application Environment | Indoor/Outdoor |

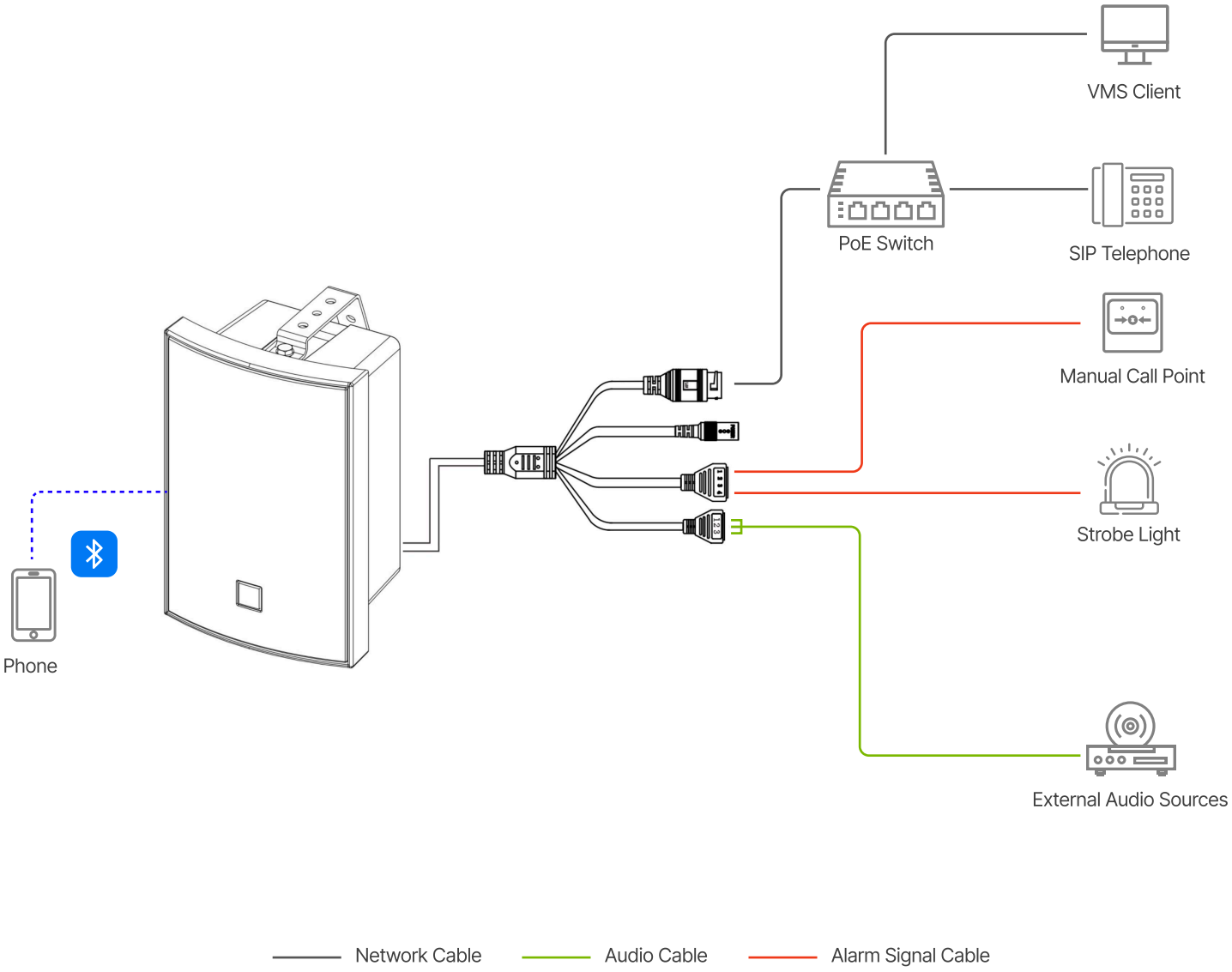
## PARAMETERS:

| | |
|---|---|
| Operating Temperature | -30°C to +60°C |
| Operating Humidity | ⩽90% RH, non-condensing |
| Dimensions | 292 × 193 × 151.5 mm |
| Package Dimensions | 330 × 235 × 190 mm |
| Weight | 2.4 kg |
| Warranty | 2 Years |

## ACCESSORIES:

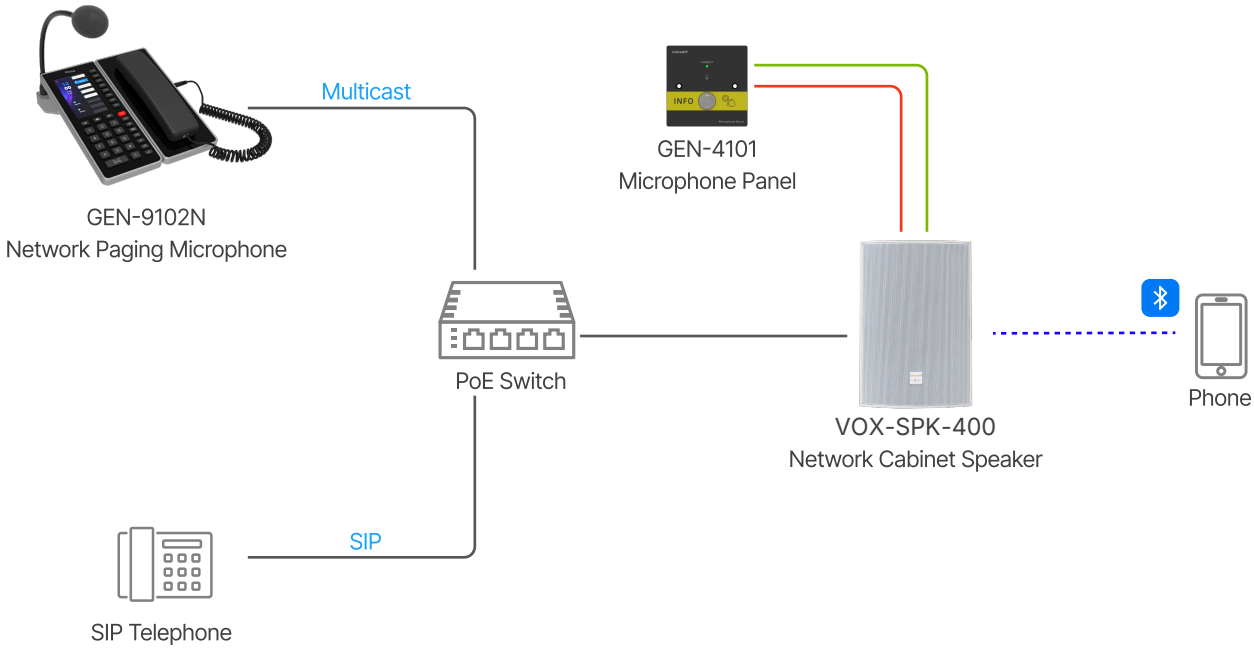
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|---|---|
| ACCESSORIES | 1 × 3-pin terminal (3.81 mm)<br>1 × 4-pin terminal (3.81 mm)<br>1 × Waterproof joint<br>1 × Power adapter (DC 24 V / 1.5 A, optional) |

## CONNECTION DIAGRAM



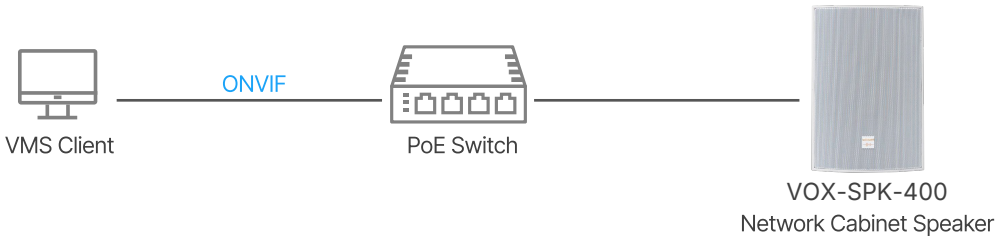
## APPLICATION 1

The VOX-SPK-400 Network Cabinet Speaker supports direct calls from SIP platforms or VMS and allows for the connection of a microphone accessory to extend SIP calling applications. It also features Bluetooth functionality for mobile audio playback, making it ideal for school environments.

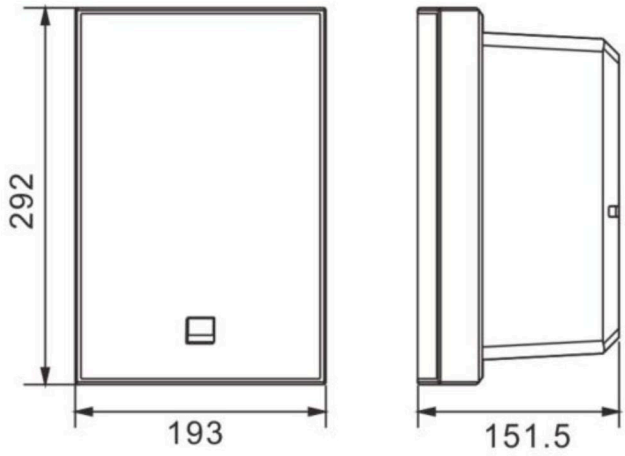


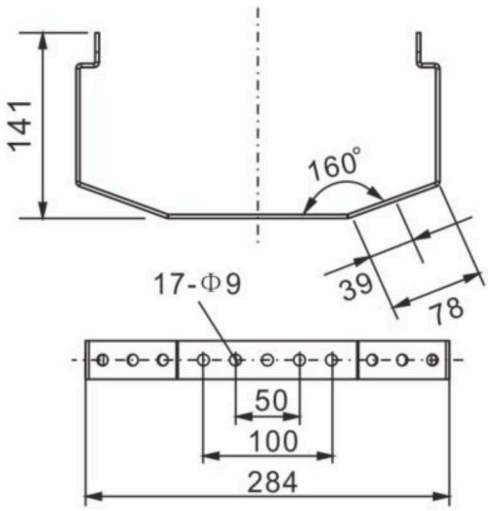

## APPLICATION 2

The Network Cabinet Speaker VOX-SPK-400 supports ONVIF protocol and can be registered to a third-party monitoring system. In an emergency, the operator can directly make a live announcements to the speaker on the monitoring platform.



## DIMENSION




| | |
|---|---|
| VOX-SPK-400 | |
| PRODUCT DESCRIPTION | NETWORK CABINET SPEAKER |
| OUTER DIMENSIONS ( W*H*D ) | 292 x 193 x 151.5 mm |
| UNIT HEIGHT | N/A |
| WEIGHT | 2.4 kg |
| MM | |