

Standard 2' by 2' Ceiling Tile Speaker

IP Speaker Overview

Advanced Network Device's (AND) 2x2 drop-in ceiling tile IP Speaker is a Power over Ethernet (PoE, PoE+) loudspeaker that requires only an RJ-45 connector to connect to existing data networks. Simultaneously broadcast to both phones and speakers. Built in microphone and speaker for two way communications.



Features

Built in Web Server:

- Configurable volume
- Device Status
- Field upgradable

Easy Installation:

- Only requires CAT 5 connection (up to 300ft) to network
- Power over Ethernet (no power cord or adapter). No other equipment needed
- Steel baffle with four seismic tie-off points (hardware not included).

Multicast:

- Full multicast and broadcast support. Send audio and/or scrolling text to individual, multiple, or all devices simultaneously.

Sound Masking:

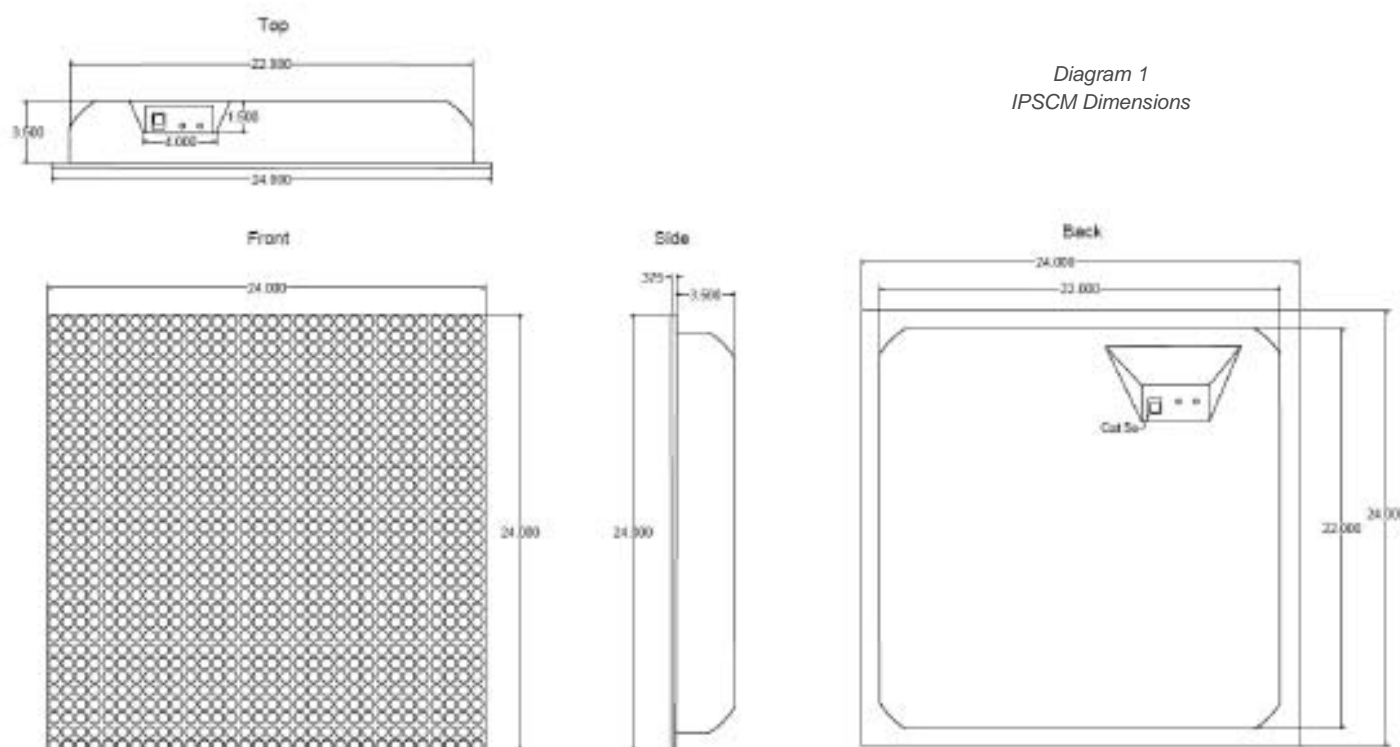
- Generate configurable pink noise programmatically.

Two Way Communication:

- Activate via ClockWise or third party software
- Allows for full duplex hands free communication
- Interoperates with Cisco and other VoIP network and phones

Software Options

- AND devices can operate standalone and do not require external software for atomic timekeeping and sending text messages from the device's web server. However, application software can be used to take advantage of the device capabilities which can then be integrated into applications like mass notification system, a phone network, etc.
- **AND Clockwise: Developed and Supported by AND.** Instantly finds and provide controls for all of you AND devices. The software provides a clock/alarm feature that supports scheduling events, alarms, stopwatch, timer with an optional sound library. It also send News/RSS/Twitter/Weather/Stock feeds, etc. messages to AND devices with a display.
- **Third Party Software:** AND has had a long standing relationship with various third party software providers. AND devices support Informacast (Singlewire), SA-Announce (Syn-Apps), IPSession (IPCelerate), MessageNet Systems, BellComander (Acro Vista), and others. AND devices will work with SIP-compatible products/PBX, such as Asterisk, 3CX, ShoreTel, etc.
- **NOTE: AND Clockwise and 3rd Party Software can run concurrently**



Specifications

- Weight: 6.5 lbs
- Speaker Size: 8"
- Average Sensitivity: 95dB, 1W/1M
- Audio Power: 8 W/ 16 W
- Frequency Response: 60 Hz-17 kHz
- PoE (IEEE802.3af) 15.4 W or
- PoE+ (IEEE802.3at) 30.0 W
- 10/100 Mb network connection

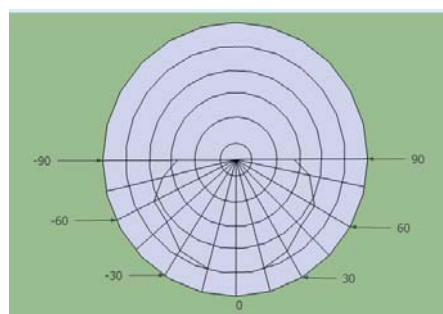


Diagram 2
8" Speaker Polar Plot
2 kHz Octave Band,
Grid Spacing = 6dB/Division

Supported Protocols

- | | |
|--------------------|------------|
| • SIP | • DHCP |
| • IPv4 | • IGMP |
| • HTTP | • ICMP |
| • SLP | • TCP/IP |
| • TFTP | • UDP |
| • NTP | • MDNS and |
| • SNMPV1 & SNMPV2c | MDNS-SD |

