



## Wideband Audio for Clear and Intelligible Voice Paging, Notification, and Music.

The Algo 8188 SIP Ceiling Speaker features dual SIP extensions for voice paging and notification capability. One or both extensions can be registered with any premise or hosted Communication Server supporting 3rd party SIP endpoints.

Wideband G.722 codec support provides optimum speech clarity and intelligibility in an HD Voice environment. Voice paging and notification announcements are easier to understand, particularly in noisy environments.

Scalable and cost effective, the 8188 multicast capability allows a SIP registered speaker to simultaneously stream audio to additional speakers, while actively voice paging or playing a WAV file from memory. No additional SIP licences or paging server are required.

The integrated microphone enables talkback and listens for ambient noise to automatically increase speaker volume when necessary. An auxiliary input allows an optional wall button to initiate a SIP call or generate an announcement.

For ease and simplicity, the PoE blind-mount speaker installs quickly into the ceiling, and announces its static or DHCP IP address for access to the intuitive web interface. Additionally, the 8188 speaker supports auto-provisioning for minimal touch configuration.

## Key Features

|                             |  |
|-----------------------------|--|
| <b>PoE Powered:</b>         | 48 V PoE IEEE 802.3af Class 0<br>Max 12.95 W - Idle nominal 2.5 W  |
| <b>SIP</b>                  | Up to 50 Paging Extensions<br>Up to 10 Ring/Notification Extensions<br>UDP, TCP, TLS, RTP, SRTP                  |
| <b>Multicast</b>            | SIP to Multicast<br>Broadcast and Receive 50 Zones standard<br>RTP. Polycom Group Page 25 Zones                  |
| <b>Device Configuration</b> | Web Interface or Provisioning Server   |
| <b>Relay Input</b>          | Normally open or normally closed dry contact supervision. Compatible with Algo 1202, 1203, and 1204 Accessories. |
| <b>Relay Output:</b>        | Normally open or normally closed.<br>Max rating 30 V 50 mA   |

## SIP

|                            |  |
|----------------------------|--|
| <b>Extensions</b>          | 50 Page & 10 Alerting/Ring extensions with multicast scalability |
| <b>Transport Protocols</b> | UDP, RTP, TCP  |
| <b>Security</b>            | TLS, SRTP, Mutual Authentication                                 |

## Multicast & Third Party Compatibility

**RTP Multicast (Send & Receive 50 zones)**

**Poly™ Group Page**

**Singlewire InformaCast (Requires license)**

**Syn-Apps Revolution**

## Audio

|                            |   |
|----------------------------|---|
| <b>Audio Codecs</b>        | G.711 A-law, G.711 u-law, G.722,                        |
| <b>Driver</b>              | 6.5" (16.5 cm) Coaxial UV stabilized                    |
| <b>Driver Response</b>     | 55 – 18,000 Hz (- 10 dB)                                |
| <b>Driver Sensitivity</b>  | 88 dBA 1m/1W (1 kHz)                                    |
| <b>Max Audio Power</b>     | 8 Watts   |
| <b>Dispersion Angle</b>    | 140° (2 kHz -6 dB)                                      |
| <b>Audio Memory</b>        | 1 GByte   |
| <b>Microphone</b>          | Omni-directional, talkback and ambient noise monitoring |
| <b>Audio Controls</b>      | Volume, AGC, Latency, LF Cut                            |
| <b>Anti-Feedback Delay</b> | Cache to memory and release                             |

## Network

|                       |                        |
|-----------------------|------------------------|
| <b>Network</b>        | IPv4, DHCP, VLAN, MDNS |
| <b>Link Layer</b>     | LLDP, CDP              |
| <b>QoS:</b>           | DSCP (SIP, RTP, RTCP)  |
| <b>Web Interface:</b> | HTTP, HTTPS            |



Heavy duty UL2043 compliant housing protects speaker and circuitry against dust and condensation. Integrated attachment for optional ¼" 20 eye bolt ceiling suspension. RJ45 jack and IO Connector are hidden once installation is complete.

## Order Codes:

|                 |                                       |
|-----------------|---------------------------------------|
| <b>8188</b>     | Speaker white grill and trim ring     |
| <b>8188B</b>    | Speaker black grill and trim ring     |
| <b>8188TBR</b>  | Optional ceiling tile support bracket |
| <b>8188T2X2</b> | Optional 24" x 24" drop-in panel      |
| <b>1202</b>     | Optional High Visibility Call Switch  |
| <b>1203</b>     | Optional Single Gang Call Switch      |
| <b>1204</b>     | Optional Volume Control               |



1202



1203



8188B



8188TBR