

# ALGO



## 8188 SIP Ceiling Speaker



## 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 auto-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.

### Specifications:

<b>Power Input:</b>	48 V PoE IEEE 802.3af Class 0 (Max 12.95 W - Idle nominal 2.5 W)
<b>Speaker:</b>	6.5" (16.5 cm) Coaxial with PEI Dome Tweeter. Mica filled polypropylene cone.
<b>Audio Codecs:</b>	G.711 A-law, G.711 u-law, G.722, Polycom Group Page, OGG Vorbis (other codec support available on request)
<b>SIP/Multicast:</b>	SIP Page, SIP Page & Zoned Multicast Stream, Zoned Multicast Receive, SIP Ring Alert, SIP Ring Alert & Zoned Multicast Stream.
<b>Server Redundancy:</b>	Primary, secondary, tertiary
<b>Processor:</b>	Linux OS ARM Cortex-A8 32-Bit RISC Processor with Crypto Accelerator
<b>Freq Response:</b>	55 – 18,000 Hz (- 10 dB)
<b>Sensitivity:</b>	88 dBA 1m/1W (1 kHz)
<b>Dispersion Angle:</b>	140° (2 kHz -6 dB)
<b>Audio Memory:</b>	1 GByte
<b>Relay Output:</b>	Normally open or normally closed. Max rating 30 V 50 mA
<b>Relay Input:</b>	Normally open or normally closed dry contact supervision. Algo 1202 Button, Algo 1203 Switch, EOL resistor termination.
<b>Configuration:</b>	Web interface or auto-provisioning server
<b>Provisioning:</b>	TFTP, FTP, or HTTP
<b>NAT:</b>	STUN, CRLF Keep Alive
<b>Environmental:</b>	32 to 104 deg F (0 to + 40 degC); 10-95% RH non-condensing. Dry indoor locations only. (Contact Algo for extreme environments)
<b>Dimensions:</b>	8" (20.5cm) Diameter without trim ring, 9.8" (24.9cm) with trim ring. Total height 7.0" (17.8cm)
<b>Mounting:</b>	Blind mounts into 8" hole. Clearance requirement of 5.5" (14.0cm) above ½" (1.27cm) gypsum board ceiling
<b>Weight:</b>	6 lb (2.7 Kg)
<b>Compliance:</b>	EN60950:2001, IEEE 802.3-2008, RFC3261, RoHS, CE, FCC Class B, CISPR 22 Class B, CISPR 24, CSA/UL (USA & Canada), UL2043



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>8188-B</b>	Speaker black grill and trim ring
<b>8188-TBR</b>	Optional Ceiling tile support bracket
<b>1202</b>	Optional High Visibility Call Switch
<b>1203</b>	Optional Single Gang Call Switch



1202



1203



8188-B



8188-TBR