Algo Satellite Speaker Technology

An Introduction to new Satellite Speaker Technology

ALGO

Algo Introduction

- Manufacturer of IP Endpoints: Speakers, Intercoms, Visual Alerters

- Endpoints certified with leading UC, Collaboration, and Emergency Notification Platforms

- Long history in telephony and hardware development. Founded 1968. Products manufactured in Vancouver, Canada

Algo Solutions Overview – IP Endpoint Suite

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IP Voice Paging

- ➲ High intelligibility voice paging and notification
- ➲ Full IP endpoint solutions

IP Audio Alerting

- ➲ Effective communication for all alerting requirements
- ➲ Scalable via multicast

IP Intercoms

- ➲ Thoughtful form factors for aesthetics and security
- ➲ Rugged design for prolonged durability
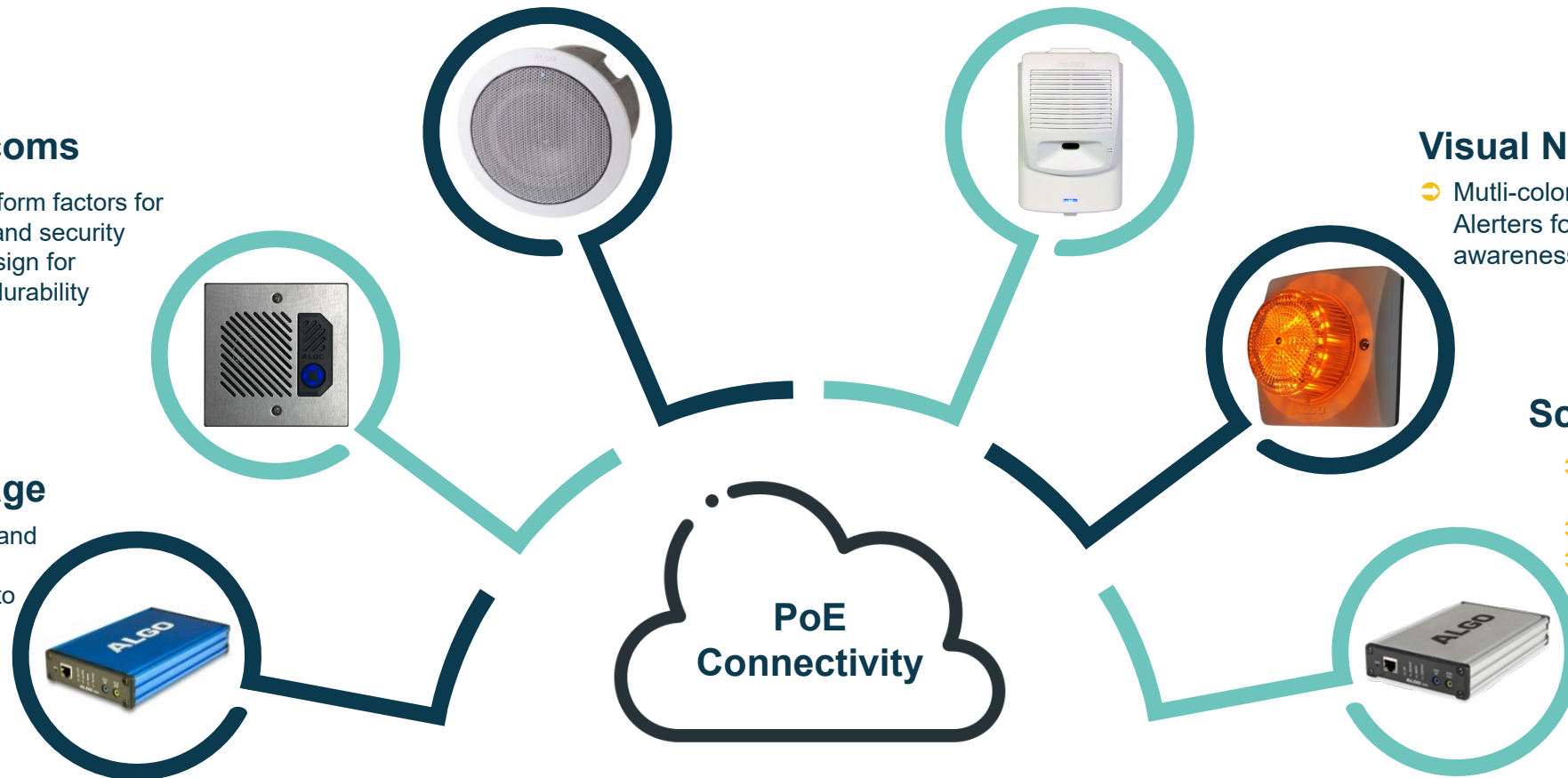
Visual Notification

- ➲ Mutli-colored visual Alerters for visual awareness & notification

Monitor & Manage

- ➲ Active management and supervision of all IP endpoints with easy to utilize endpoint

Scheduling & Music

- ➲ Integrate legacy paging environments
- ➲ Scheduling functionality
- ➲ Background music

PoE Connectivity

Algo's Current Suite of IP Paging Endpoints

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- **Algo IP Speakers** are designed for public address applications including voice paging and emergency notification and work with leading UC platforms.

- In addition, all Algo IP Speakers are:

  - PoE

  - Remote manageable

  - Fully supervisable

  - Wideband audio for high intelligibility and background music

  - IP multicast scalable

  - Ambient noise adaptive and talkback capable

  - Secure SIP capable (TLS, SRTP)

8180 SIP Audio Alerter
Versatile IP notification and alerting, robust features in small form factor

8188 IP Ceiling Speaker
IP paging and notification with highly intelligible audio

8190S Speaker, Clock, Strobe
IP Speaker with embedded digital clock and strobe lights

8186 IP Horn Speaker
IP paging and notification for indoor and outdoor industrial environments

8189
Surface mount IP Speaker with highly intelligible audio

8301 IP Paging Adaptor
Integrating legacy paging solutions and scheduling

Making IP Paging More Cost Effective
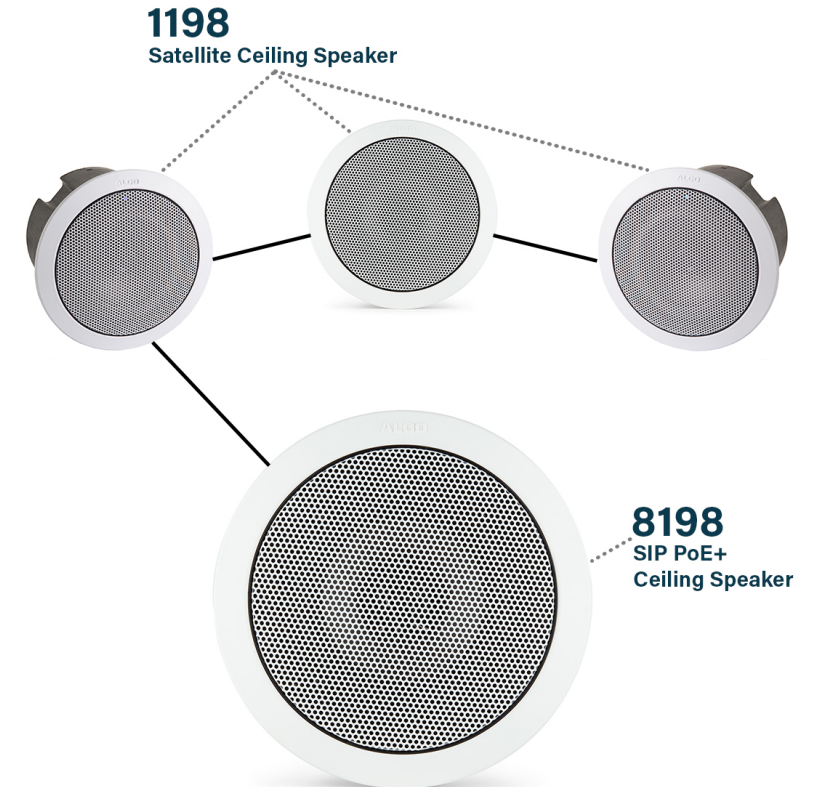
With Algo Satellite Speakers

With the Algo Satellite Speaker system
you can achieve the benefits of IP
Paging with reduced costs

Introducing the Algo 8198/1198 Satellite Speaker System

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- **Algo 8198**: Single speaker up to 16W

- **Algo 1198**: Add up to 3 supervised satellite speakers

- All speakers fully supervisable

- IP speakers and satellite speaker look and sound identical

- Easy daisy chained connection via patch cable

1198
Satellite Ceiling Speaker

8198
SIP PoE+
Ceiling Speaker

Significant Cost Savings
Fewer data ports and drops to run

8198 IP PoE+ Ceiling Speaker Overview

ALGO

- The 8198 IP Ceiling Speaker is a SIP compliant and multicast capable PoE+ network audio device for live voice paging, alerting, announcements and emergency notification.

- **Satellite Extension:** 8198 can provide significant savings when combined with one, two or three 1198 satellite speakers

- **Supervisable**: The 8198 can supervise all attached satellite speakers

- **Core Algo IP Speaker Functionality Maintained:**

  - Remote manageable and fully supervisable

  - Wideband audio for high intelligibility and background music

  - IP multicast scalable

  - Ambient noise adaptive and talkback capable

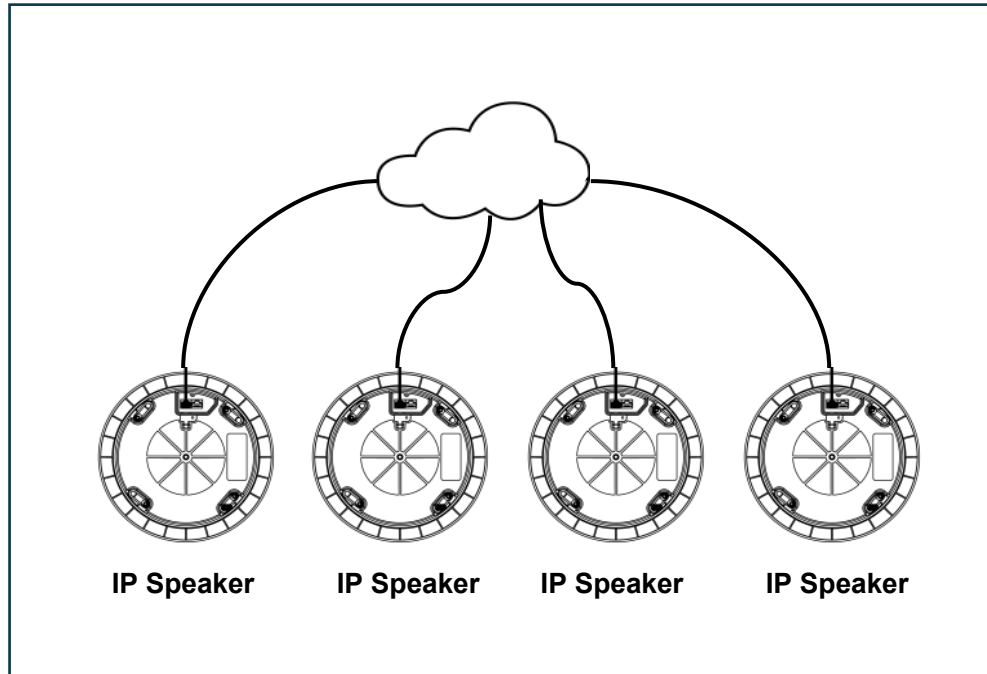 - Secure SIP capable (TLS, SRTP)

8198 IP PoE+ Ceiling Speaker

Benefits of Algo Satellite Speaker System

- Lower cost per speaker

- Reduced wiring installation costs

- Quick and easy installation via daisy chain connection

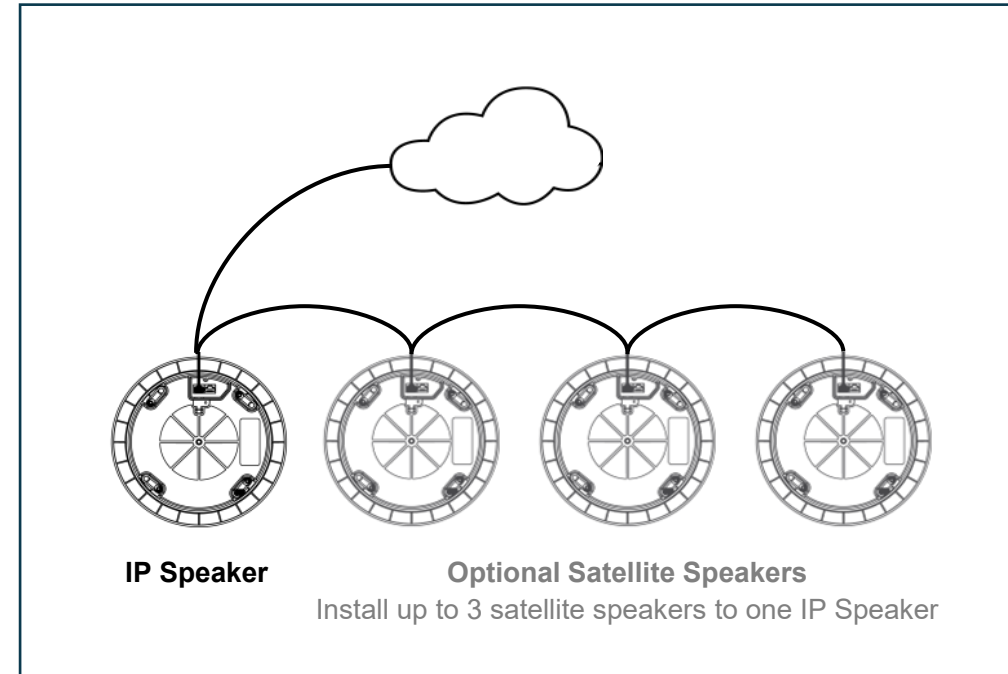- Reduction in switch ports

- Simple configuration

1198
Satellite Ceiling Speaker

8198
SIP PoE+
Ceiling Speaker

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Homerun IP Speaker Solution vs Algo Satellite Speaker

Deployment of IP Speakers

IP Speaker   IP Speaker   IP Speaker   IP Speaker

Deployment of Algo Satellite Speakers

IP Speaker   **Optional Satellite Speakers**
Install up to 3 satellite speakers to one IP Speaker

- Typically each IP speaker requires a network drop

- Only IP speakers require a network drop.
- Satellite speakers connect to the IP speaker using standard patch cable – up to 50ft recommended
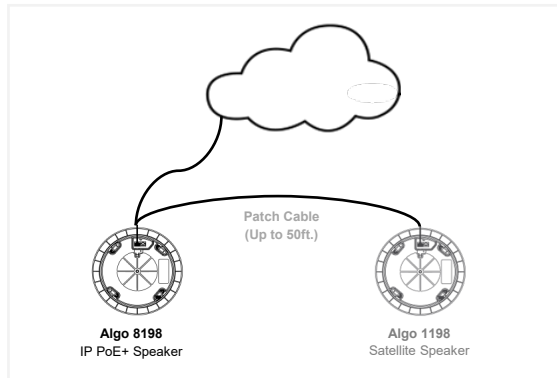
Power & Cost Varies with Satellites Added

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Algo 8198
IP PoE+ Ceiling Speaker

Algo 1198
Satellite Ceiling Speaker

Algo 1198
Satellite Ceiling Speaker

Algo 1198
Satellite Ceiling Speaker

Satellites Attached	0	1	2	3
Speaker Configuration	1 x 8198	1 x 8198 1 x 1198	1 x 8198 2 x 1198	1 x 8198 3 x 1198
Power per Speaker (PoE+)	16W	8W	5.3W	4W

Options of Configuring Satellite Speakers

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- Up to three (3) 1198 Satellite Ceiling Speakers may be connected to one (1) 8198 IP PoE+ Ceiling Speaker
- Each satellite speaker can be connected with a using standard patch cable – up to 50ft recommended
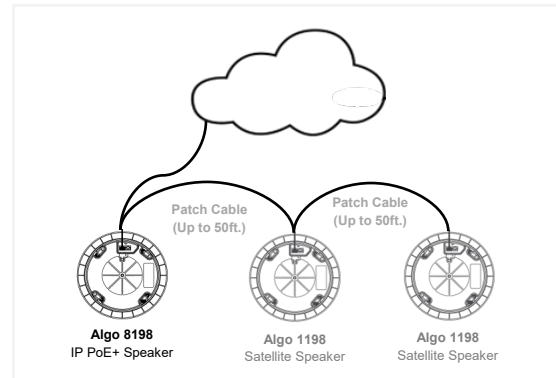- PoE power is shared equally between IP Speaker and connected satellite speakers

Ideal configuration differs by deployment – some examples below

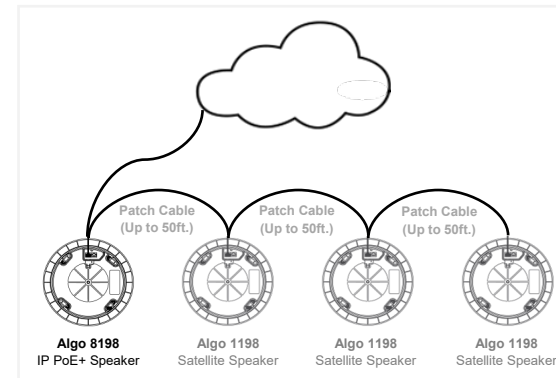| One Satellite Speaker	Two Satellite Speakers	Four Satellite Speakers	Four Satellite Speakers

One Satellite Speaker
- One satellite connected for added speaker coverage, where ambient noise is consistent
- Maximum audio output at 8W each (PoE+)
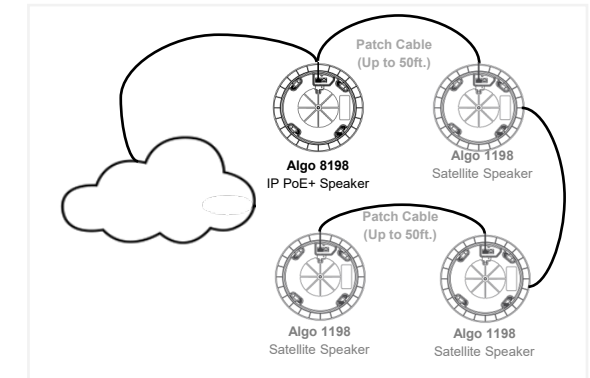
Two Satellite Speakers
- Two satellites connected for added speaker coverage, where ambient noise is consistent
- Maximum audio output at 5.3W each (PoE+)

Four Satellite Speakers
- Three satellites connected, with one network drop speakers can reach 200ft down hallway
- Maximum audio output at 4W each (PoE+)

Four Satellite Speakers
- Three satellites connected, spaced around large room to provide wide coverage with one drop
- Maximum audio output at 4W each (PoE+)

Note: One 8198 and one satellite speaker with PoE+ power provides equivalent power per speaker as two Algo 8188 IP Ceiling Speakers

When to use all Algo IP Speakers vs Algo Satellite Speakers

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All IP Speakers

Deployment of all **All IP Speakers** is the best option when the following features are important:

- Ability to place SIP call to individual speaker

- Individual speaker talkback and ambient noise detection

- Zoning down to individual speaker

- Maximum power per speaker

IP Plus Satellite Speakers

Deployment of **Satellite Speakers** is the best option when the following features are important:

- Large coverage areas per zone

- Reduced network ports and cable drops

- Maximum audio power per speaker not required

- Supervision capabilities maintained

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QUESTIONS & CONTACT INFORMATION

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