



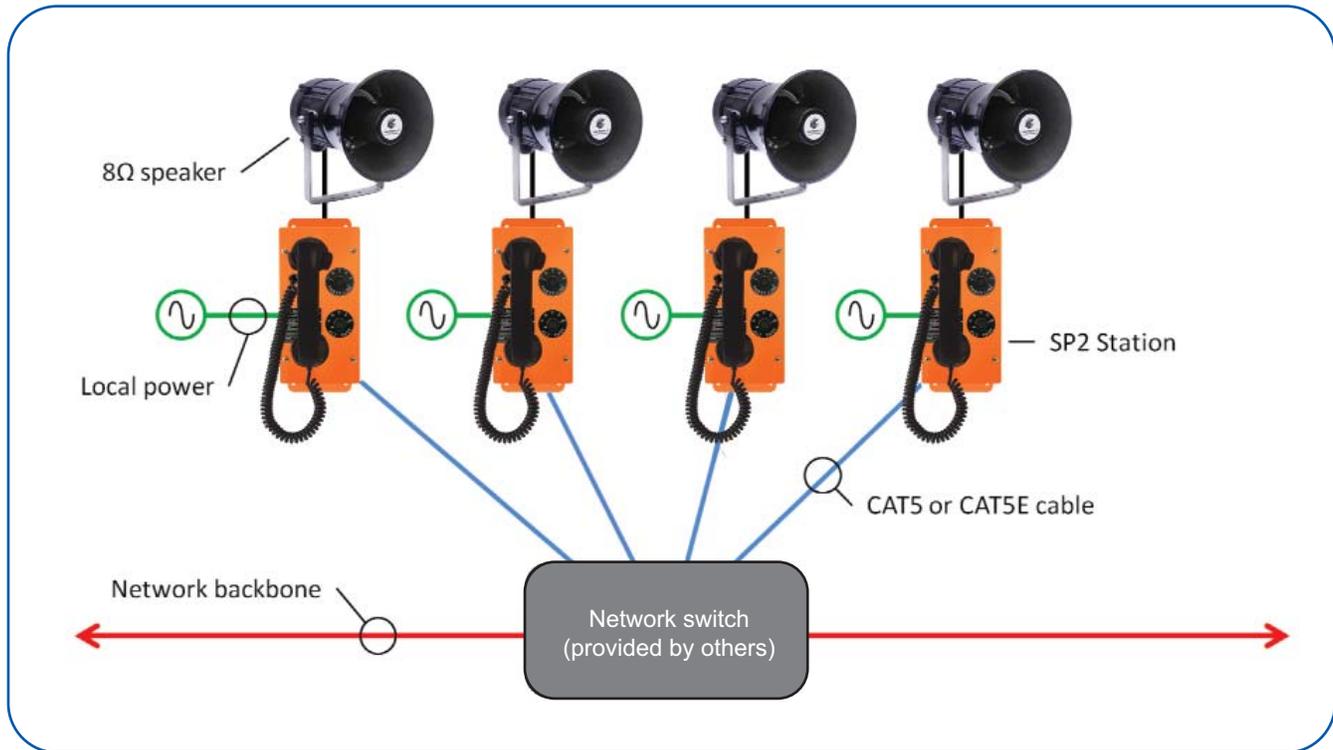
**SP2** is GAI-Tronics' most advanced paging and intercom system yet. Combining the simplicity of "press to page, release to party" operation with cutting-edge multicast Voice over Internet Protocol (VoIP) technology, SP2 is capable of providing virtually instant communication in the most demanding of environments.

SP2 is a serverless system. While other systems rely on servers to route calls and administrate the system, SP2 uses multicast technology, bypassing the need for servers and resulting in a number of benefits.

- SP2 is fast. Since no server is needed to set up call routing and conference bridges, SP2 can provide immediate one way paging and full-duplex "party line" communication.
- SP2 is simple. There's no keypad, no extensions to memorize. Simply lift the handset, select a paging zone, squeeze the handset pressbar, and make an announcement over the system speakers. Release the pressbar and talk on one of the five available party lines.
- SP2 is reliable. There are no servers to fail or update. SP2 will also notify you of any problems via e-mail.
- SP2 is flexible. Every SP2 station is capable of being configured with unique characteristics, including priority, zone destinations, volume levels and so on. Indoor, weatherproof and hazardous area stations with worldwide approvals are available, ensuring that SP2 can be used everywhere it's needed



## SP2 Architecture



SP2 is simply wired to the nearest network switch using CAT5 or CAT5E Ethernet cable. Local power is supplied to each station either as a separate power cable or contained in a hybrid power/Ethernet cable. Simple screw terminals within the station make field wiring possible without the need for any special tools.

Since SP2 is a serverless system, it can easily be integrated into an existing IP network. This can significantly reduce the installation cost of SP2 and simplify plant data architecture.

All SP2 stations feature a 30W, class D speaker amplifier. This amplifier is capable of producing paging output of up to 126dB when matched with GAI-Tronics' 30W horn / driver combination.

SP2 stations can be supplied with a handset, for paging and intercom, or without a handset for where only paging coverage is needed.

## SP2 Features and Controls

SP2 was designed with the user in mind. SP2 features simple controls that are easily operable while wearing gloves. A handset with a high-output receiver and noise-cancelling microphone ensures clear communication in high noise areas.

**Rugged Construction**  
Reliable communications in any environment  
High visibility orange finish

**Receiver**  
Hearing aid compatible

**Universal AC Power**  
Worldwide operation

**Party Line Selector Switch**  
Simple conference calls

**Paging Pressbar**  
One-handed operation

**Optional Page Zone Selector Switch**  
Configurable zoning for every SP2 station

**Dynamic Microphone**  
Built-in noise cancellation ensures clear communication in high noise environments

**30 Watt Speaker Amplifier with Ambient Noise Compensation**  
Clear sound in any environment



## SP2 Connections

Each SP2 station can be expanded with several peripheral devices.



A 30W external speaker provides up to 126dB of paging audio



A flashing beacon attracts attention in very high noise areas



A headset enables hands-free operation in any environment



A two-way 600Ω audio connection enables simple interfacing with other systems

## SP2 Series Variants

SP2 stations are available with many different mounting and environmental options, allowing SP2 to be used in every area of the facility.

### Indoor Wall-mount Stations



### Indoor Remote-mounted Subset Stations



### Weatherproof Wall-mount Stations



### Explosion-proof Stations



### Zone 2 Stations (available 2017)

