

## Features

- Multicast VoIP Technology
- Serverless Architecture
- Full Duplex Communication
- Five Party Lines
- PoE or PoE+ Operation
- Efficient Class D Amplifier with up to 14 Watt output
- Ambient Level Sensing (ALS)
- Remote Terminal Unit (RTU) Operation for Input/Output Applications
- Remote Monitoring
- CAT5/5E Network Connection

## Options

- Five Paging Zones
- Auxiliary Jack for Headset Operation
- PVC or Hytrel® Handset Cords

SP2 is one of GAI-TRONICS' most advanced paging and intercom systems. 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.

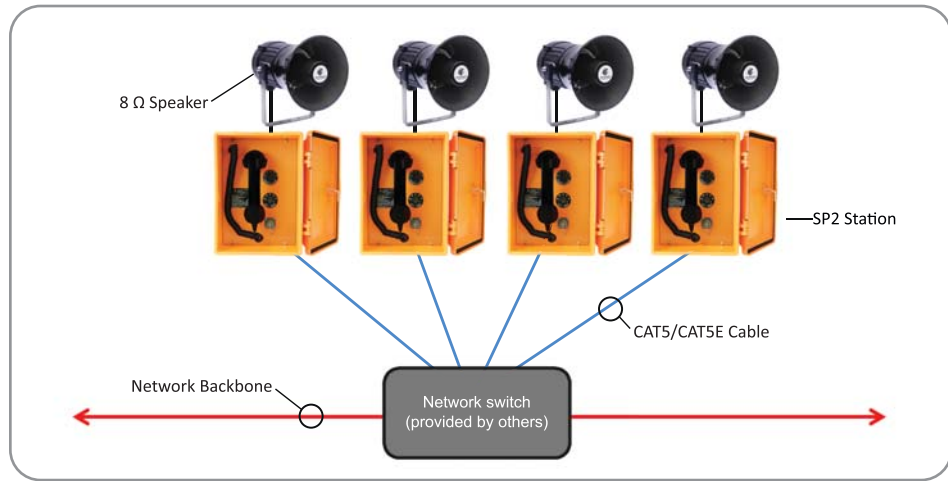


SP2 is simple. No keypad, no extensions to memorize. Simply lift the handset, select a paging zone, squeeze the handset pressbar and make an announcement over the system speakers. Release the pressbar and talk on one of the five available party lines.

SP2 is reliable. There are no servers to fail or need updates. 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, weather-proof and hazardous area stations with worldwide approvals are available, ensuring that SP2 can be used everywhere it's needed.

Typical Block Diagram



Outdoor SP2 PoE/PoE+ Part Numbers

9	Outdoor Wall-Mount	5-Party Lines	Station Type	Connection/Control	Handset	UL Safe Area	Finish	Options	0	
	2	5	X	X	X	R	X	X		
	PoE/PoE+ Handset/Speaker PoE/PoE+ Handset/Speaker/Aux		A B	6' PVC 15' PVC 25' PVC 6' Hytrel® 15' Hytrel® 25' Hytrel®	1 2 3 4 5 6		Orange Gray	1 2	No Options Trop TR Spring Kit SK Vee Notch VN Lock Door LD LD, SK LD, VN LD, TR SK, VN SK, TR VN, TR LD, SK, VN LD, SK, TR LD, VN, TR LD, SK, VN, TR	0 A B C D E F G H J K L M N P
			Ethernet with RTU Ethernet with ALT Page and RTU Ethernet with All Call and RTU	2 4 6						

**Example:** An outdoor wall-mount, PoE/PoE+ SP2 station with a 6' PVC handset cord, UL Safe Area approvals, orange paint with no options selected, is part number **925-A21R100**.

Specifications

Electrical

Power Supply ..... PoE/PoE+  
Network Requirements ..... 100Base T network with IGMP

Handset

Microphone..... Dynamic, noise-cancelling  
Microphone Noise Discrimination ..... 18dB @ 250Hz  
Receiver..... Dynamic, hearing aid compatible  
Material..... ABS  
External Control ..... Push-to-page handset pressbar

Speaker Amplifier

Max Output ..... 14W into 8Ω load with PoE+  
6W into 8Ω load with PoE

Mechanical

Construction ..... Glass-reinforced Polyester  
Finish (front panel) ..... Safety orange powder coating  
Dimensions (overall) ..... 14.6 H x 10.9 W x 10.5 D inches  
(371 x 276 x 267 mm)  
Temperature range ..... -22° F to +140° F (-30° C to +60° C)  
Relative Humidity..... 95%, non-condensing

Network Connection

CAT5/5E Stations ..... Screw Terminals

Approvals

Electrical Safety..... UL60950  
CAN/CSA-22.2 No. 60950