

## Features

- **Multicast VoIP Technology**
- **Serverless Architecture**
- **Full Duplex Communication**
- **Five Party Lines**
- **PoE or PoE+ Operation**
- **Efficient Class D Amplifier with up to 14W 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**
- **8Ω or 70/100v Speaker Output**

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.

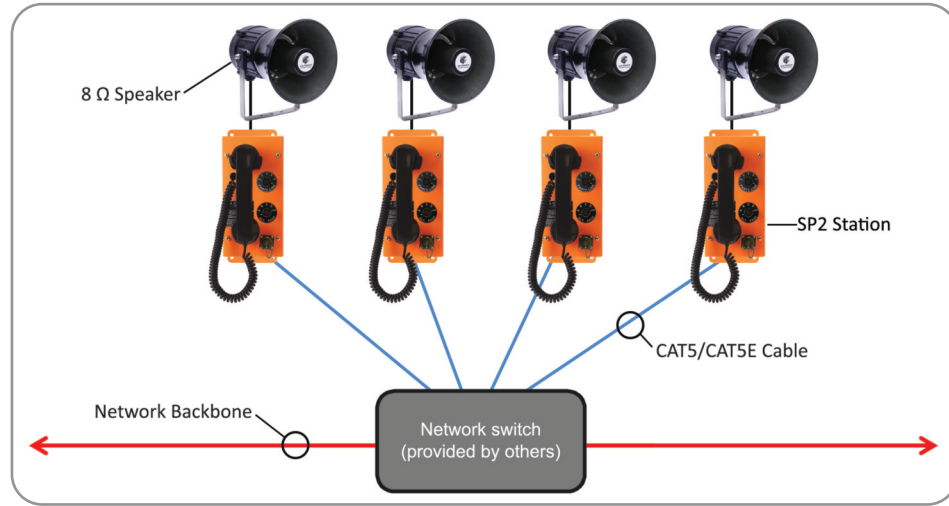


SP2 is simple. No keypad, no extensions to memorize. Simply lift the handset, select a paging zone, squeeze the handset pressbar and make an announcement over the system speakers. Release the pressbar and talk on one of the five available party lines.

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, weatherproof and remote stations with worldwide approvals are available, ensuring that SP2 can be used everywhere it's needed.

### Typical Block Diagram



### Indoor SP2 PoE/PoE+ Part Numbers

9	Indoor Wall-Mount	5-Party Lines	Station Type	Connection/Control	Handset	UL Safe Area	Finish	Options	0
	<b>1</b>	<b>5</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>R</b>	<b>X</b>	<b>X</b>	
PoE/PoE+ Handset/Speaker <b>A</b> PoE/PoE+ Handset/Speaker/Aux <b>B</b>				Ethernet with RTU <b>2</b> Ethernet with ALT Page and RTU <b>4</b> Ethernet with All Call and RTU <b>6</b>	6' PVC <b>1</b> 15' PVC <b>2</b> 25' PVC <b>3</b> 6' Hytrel® <b>4</b> 15' Hytrel® <b>5</b> 25' Hytrel® <b>6</b>		Orange <b>1</b> Gray <b>2</b>	No Options <b>0</b> Trop TR <b>A</b> 70/100V <b>R</b> 70/100V, TR <b>S</b>	

#### Example:

An indoor 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 **915-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  
10W into 70/100v load with PoE+  
5W into 70/100v load with PoE

### Mechanical

Construction ..... 16 gauge cold-rolled steel  
Finish ..... Safety orange powder coating  
Dimensions (overall) ..... 12.5 H x 5.25 W x 7.34 D inches  
(317.5 x 133.4 x 188.4 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