

## Features

- **Multicast VoIP Technology**
- **Serverless Architecture**
- **Full Duplex Communication**
- **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

- **Indoor/Outdoor Mounting**

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.

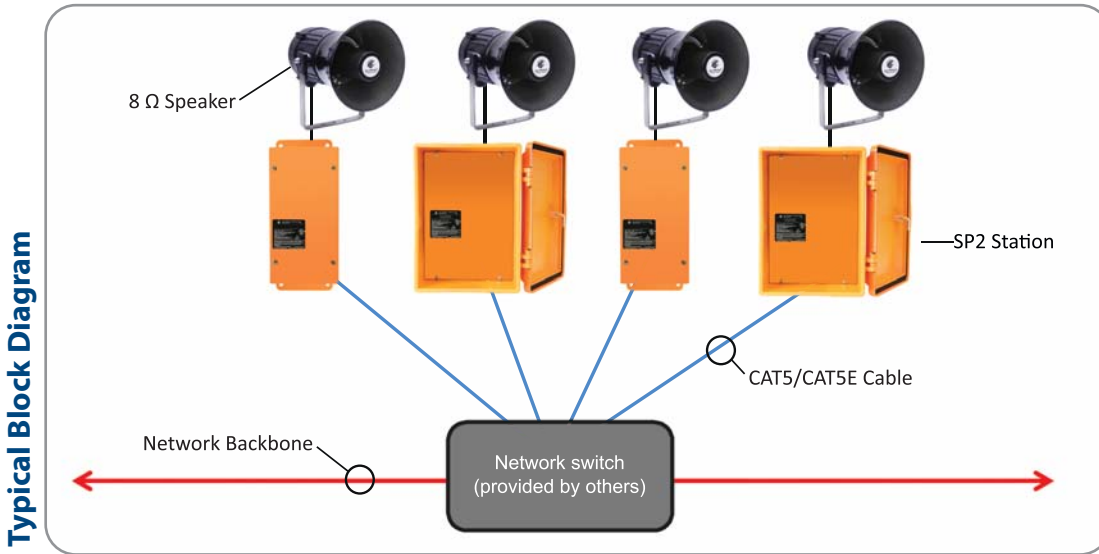
SP2 is fast. Since no server is needed to set up call routing and conference bridges, SP2 can provide immediate one way paging and full-duplex "party line" communication.

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.

SP2 speaker amplifiers are utilized within an SP2 system for powering speakers where handset intercom stations are not required.



### SP2 Amplifier PoE/PoE+ Part Numbers

9	Mounting	Amplifier	PoE/PoE+ Station	Ethernet with RTU	Amplifier	UL Safe Area	Finish	Options	Entries
	X	0	C	2	0	R	X	X	0
	Indoor 1 Outdoor 2						Orange 1 Gray 2	No Options 0 Trop TR A 70/100V* R 70/100V*, TR S	

**Note:**

\*70/100V option is only available on indoor stations

**Example:** An indoor wall-mount, Poe/PoE+ SP2 amplifier with UL Safe Area approvals, orange finish with no options selected, is part number **910-C20R100**.

## Specifications

### Electrical

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

### Speaker Amplifier

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

### Mechanical

Construction ..... 16 gauge cold-rolled steel  
 Finish ..... Safety orange powder coating  
 Dimensions (overall):  
 Indoor ..... 12.5 H x 5.25 W x 7.34 D inches  
 (317.5 x 133.4 x 188.4 mm)  
 Outdoor ..... 14.6 H x 10.9 W x 10.5 D inches  
 (371 x 276 x 267 mm)

Electrical Safety ..... IEC 60950, UL 60950,  
 CAN/CSA-C22.2 No 60950  
 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