Features

- **Multicast VoIP Technology**
- **Serverless Architecture**
- **Full Duplex Communication**
- **Five Party Lines**
- **AC (120/230v) and DC (24v) Versions**
- **Efficient 30 Watt Class D Amplifier**
- **Ambient Level Sensing (ALS)**
- **Remote Terminal Unit (RTU) Operation for Input/Output Applications**
- **Remote Monitoring**

Options

- **PVC or Hytrel® Handset Cords**
- **CAT5/5E or Fiber Optic Network Connection**

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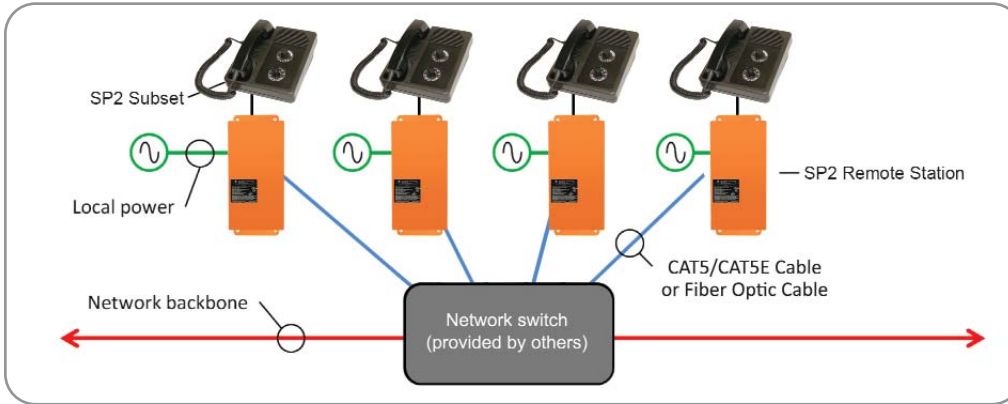
SP2 is simple. No keypad, no extensions to memorize. Simply lift the handset, squeeze the handset pressbar and make an announcement over the system speakers. Release the pressbar and talk on one of the five available party lines.

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

SP2 Remote stations are comprised of two parts; a remote amplifier and a subset connected together with a cable with standard DB25 connectors. Various available subset types provide greater installation options.

SP2
Remote Handset Stations

GAI-TRONICS® HUBBELL

SP2 Subset
Local power
Network backbone
SP2 Remote Station
CAT5/CAT5E Cable or Fiber Optic Cable
Network switch (provided by others)

Desktop, Desk-edge and Flush-mount Subset SP2 Part Numbers

	Mounting	5-Party Lines	Subset	Subset	Handset	Approval	Finish	Options	
8	**X**	**5**	**0**	**0**	**X**	**X**	**X**	**X**	**0**

Mounting	
Desktop Subset	4
Flush-mount Subset	5
Deskedge Subset	6

Subset	
6' PVC	1
15' PVC	2
25' PVC	3

Handset	
6' Hytrel®	4
15' Hytrel®	5
25' Hytrel®	6
6' (Desktop Only)	8

Approval	
UL Safe Area	A
CE	B

Options	
No Options	0
Trop TR	A

Finish	
Orange	1
Gray	2
Black (Desktop Only)	3

Remote Amplifier SP2 Part Numbers

	Indoor Wall-mount	Remote	Station Type	Connection / Control	Remote	Approval	Finish	Options	
9	**3**	**0**	**X**	**X**	**0**	**X**	**X**	**X**	**0**

Station Type	
AC Remote Handset/Speaker Station	4
DC Remote Handset/Speaker Station	8

Connection / Control	
Ethernet with RTU	2
Fiber with RTU**	B

Approval	
UL Safe Area	R
CE	B

Finish	
Orange	1
Gray	2

Options	
No Options	0
Trop TR	A
70/100V*	R
70/100V*, TR	S

Note:
  *70/100V option is only available on indoor stations
**Fiber optic stations require a suitable SFP module. Contact GAI-TRONICS for more information.

Specifications

Electrical
AC Supply Voltage . . . . 120/230 V ac
Input frequency range. . . . . 50/60 Hz
DC Supply Voltage . . . . 24 V dc
Network Requirements . . . . 100Base T network with IGMP

Handset
Microphone. . . . . Dynamic, noise-cancelling
Receiver . . . . Dynamic, hearing aid compatible
Material . . . . ABS
External Control . . . . Push-to-page handset pressbar

Speaker Amplifier
Max Output . . . . 30W into 8Ω load

Mechanical (Remote Amplifier)
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
Fiber Optic Station . . . . Standard SFP Port

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

Quality Management System Certified by DNV-GL - ISO 9001:2015. The policy of GAI-TRONICS is one of continuous improvement; therefore the company reserves the right to change specifications without notice.