Features

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

Options

- PVC or Hytrel® Handset Cords
- Desktop, Desk-edge or Flush-mount Subset

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.

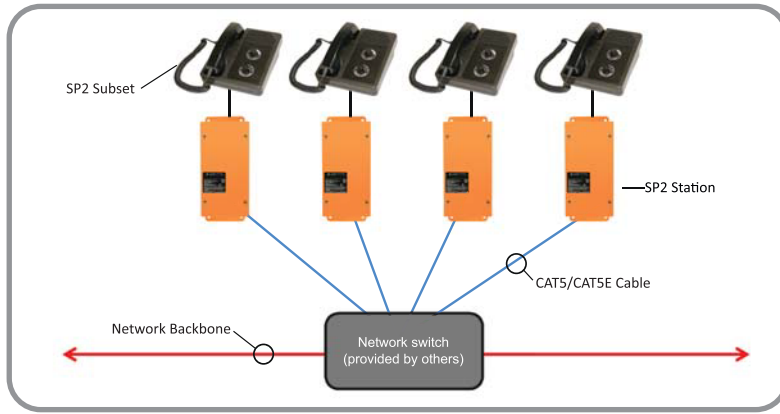SP2 is simple. No keypad, no extensions to memorize. Simply lift the handset, squeeze the handset pressbar and make an announcement over the system speakers. Release the pressbar and talk on one of the five available party lines.

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.

Typical System Diagram

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		5-Party Lines / Subset		Handset Subset		Approval		Finish		Options	
Desktop Subset	4	6' PVC	1	6' Hytrel®	4	UL Safe Area	A	Orange	1	No Options	0
Flush-mount Subset	5	15' PVC	2	15' Hytrel®	5	CE	B	Gray	2	Trop TR	A
Deskedge Subset	6	25' PVC	3	25' Hytrel®	6			Black (Desktop Only)	3		
				6' (Desktop Only)	8						

Remote Amplifier SP2 PoE/PoE+ Part Numbers

Indoor Wall-mount	Remote	PoE/PoE+ Station	Ethernet with RTU	Remote	UL Safe Area	Finish	Options
9	3	0 — D	2	0	R	X	X	0

Finish		Options	
Orange	1	No Options	0
Gray	2	Trop TR	A
		70/100V	R
		70/100V, TR	S

Specifications

Electrical
Power Supply . . . . PoE/PoE+
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 . . . . 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 (Remote Amplifier)
Construction . . . . 16 gauge cold-rolled steel
Finish . . . . Safety orange powder coating
Dimensions . . . . 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 Connections
CAT5/5E Stations . . . . Screw Terminals

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

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