GAI-Tronics ICS Desktop Subset Instruction Manual

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Contents

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Smart Series® Page/Party® ADVANCE™ Smart Volume TM ICS™ SP2™

General Information

Product Overview

GAI-Tronics' ICS (Industrial
Communication System) and SP2 (Serverless Page/Party) systems are modular industrial communication systems. The subsets in this publication are for indoor use with remote amplifiers in ICS and SP2 systems.

The desktop subset enables page and party line communication when installed with a remote amplifier. The subset includes a pressbar handset, an internal speaker with volume control, and a five-party rotary selector switch (multi-party subset only). Install the desktop subset on a desktop or wall-mount it. The compact size is possible by housing most of the support electronics in a separate remote amplifier enclosure.
The subset is for indoor applications only.
The DB25 subset interconnect cable permits mounting the subset up to 10 feet from the amplifier.
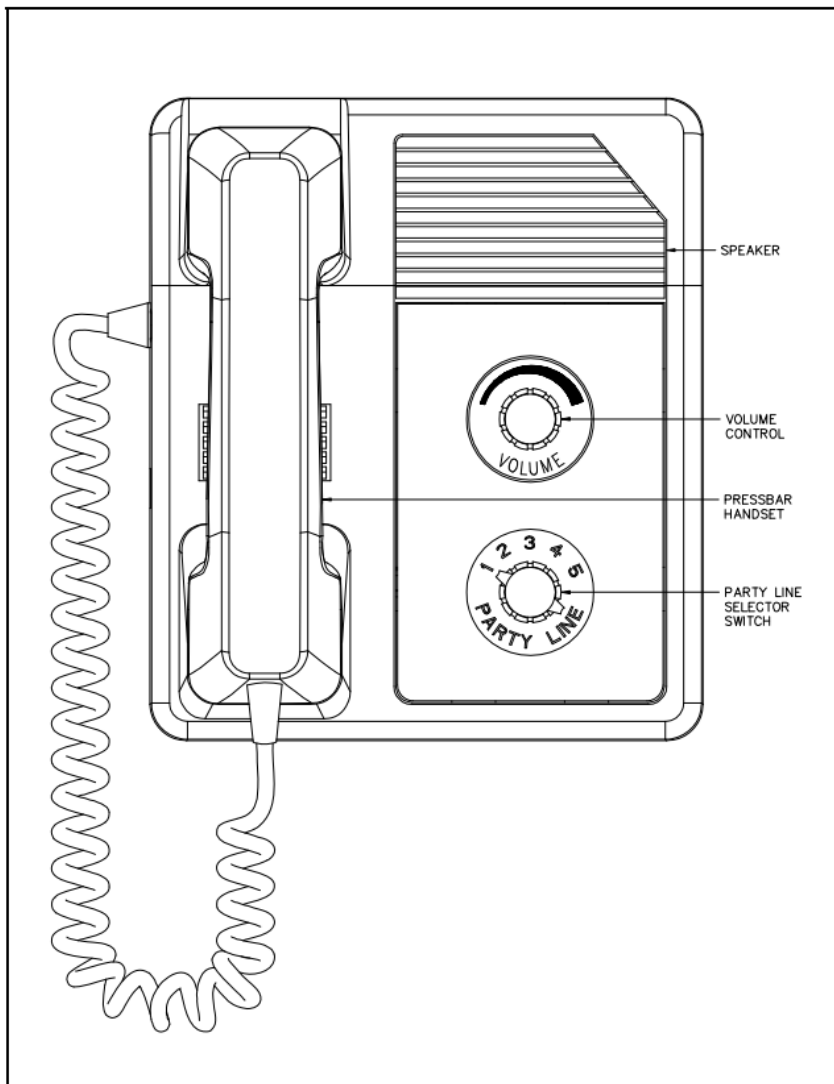
Figure 1. ICS/SP2 Multi-Party Desktop Subset

Features

- one-way page announcements over system speakers
- full-duplex party line communication
- durable, ABS plastic housing
- built-in speaker with volume control

Options

- single party line operation
- conformal coating for PCBA

Installation

Important Safety Instructions

- **Read, follow, and retain instructions—**Read and follow all safety and operating instructions before operating the unit. Retain instructions for future reference.
- **Heed warnings—**Adhere to all warnings on the unit and in the operating instructions.

- **Attachments—**Do not use attachments not recommended by GAI-Tronics, as they may cause hazards.
- **Servicing—**Do not attempt to service this unit. Opening or removing covers may expose dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- **DB25 connection—**The ICS/SP2 remote subset DB25 interconnect cable is for use only with ICS/SP2 remote amplifiers. Do not use any other cable to connect an ICS/SP2 subset to its matching amplifier.

⚠**WARNING**⚠ —Do not install this equipment in hazardous areas. Such installations may cause a safety hazard and consequent injury or property damage.
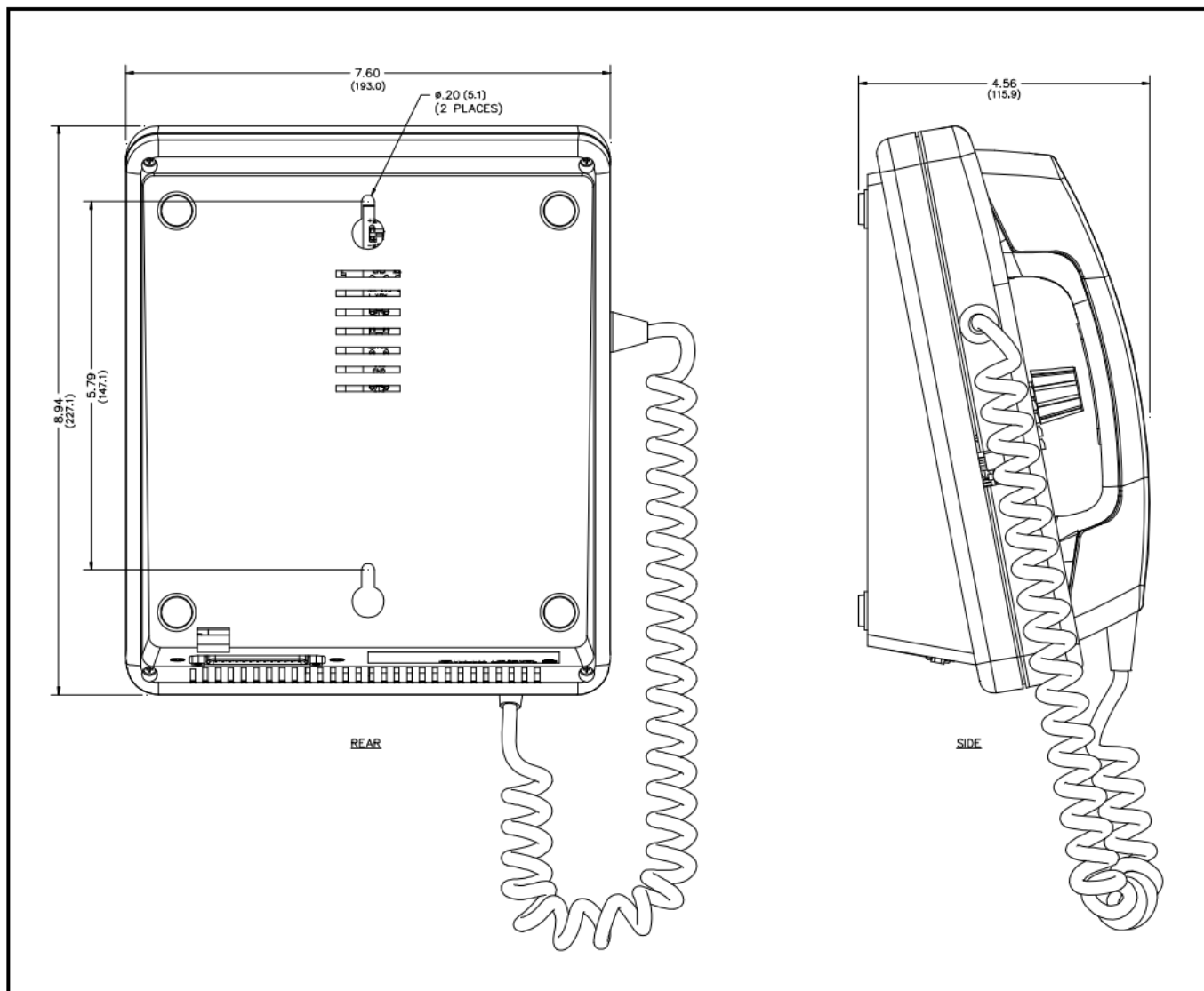

Figure 2. ICS/SP2 Multi-Party Desktop (wall-mount) Subset Outline
NOTE: Place the desktop subset on a desk or wall mount it using (customer supplied) appropriate hardware through the mounting holes.
NOTE: Subsets manufactured by GAI-Tronics prior to March 2022 use #1 Phillips drive screws for the subset housing. Subsets manufactured by GAI-Tronics after March 2022 use T8 Torx drive screws for the subset housing. Do not overtighten the screws.

Wall-Mount Installation

To mount the subset on a vertical surface:

1. Remove the four screws from the bottom of the subset's housing.
2. Rotate the bottom section of the housing 180º.

3. Reassemble the top to the bottom with the four screws.

4. Pull out the handset hook and rotate it 180º.

   This allows the handset to remain on hook when wall mounted

5. Mount the subset in the desired location.

6. Continue with step two of the desktop installation instructions below.

Desktop Installation

1. Place the subset at the desired location.

2. Plug the interconnect cable into the subset and tighten the thumbscrews on the DB25 connector.

3. Route the opposite end of the cable to the remote amplifier location.

4. Plug the interconnect cable into the remote amplifier and tighten the thumbscrews on the DB25 connector.
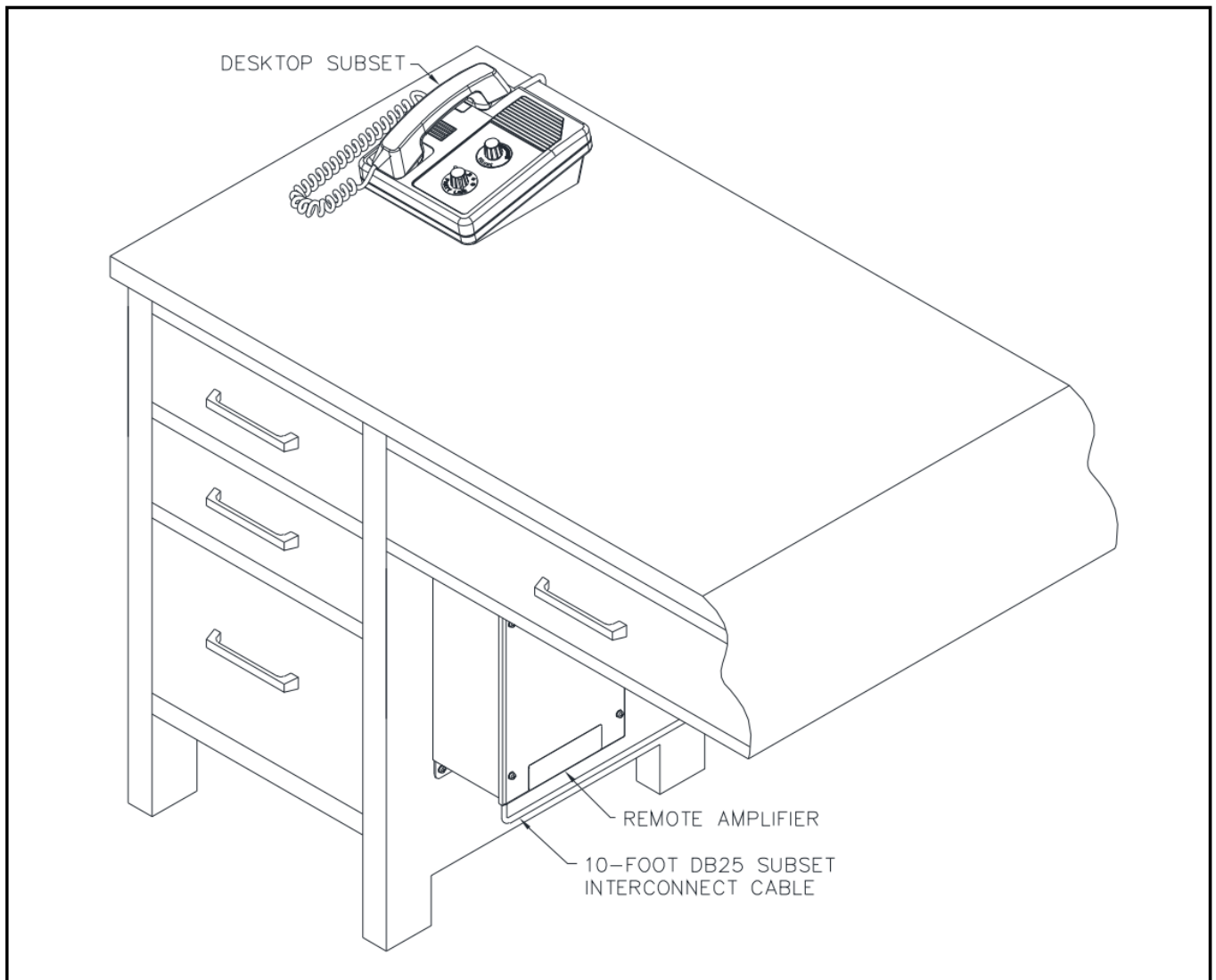

Figure 3. Typical Desktop Installation

Operation

Paging

1. Lift the handset.

2. If requesting conversation: Use the five-position rotary selector switch (if equipped) to select a free party line.

3. Press the handset pressbar and speak into the handset microphone.

4. Page the desired individual(s) or make an announcement.

5. If requesting conversation:

6. Designate the party line selected in Step 2.

7. Wait for the designated individual to respond.

Full-duplex communication takes place on the party line without broadcasting over the system's speakers.

1. Place the handset back on hook when finished.

Page Response and Party Line Conversation

1. Select the appropriate party line at any ICS/SP2 station.

2. Lift the handset.

   Full-duplex communication takes place on the party line without broadcasting over the speakers.

3. Place the handset back on hook when finished.

NOTE: ICS/SP2 Page/Party subsets incorporate a noise-canceling microphone to reduce transmitted ambient noise. This requires the user to place the microphone as close as possible to their mouth.

Troubleshooting

The following table aids qualified service personnel in troubleshooting problems with the ICS/SP2 Page/Party desktop subset.

Problem	Potential Cause
subset not functional	• Check and tighten the DB25 interconnect cable termination at the subset and the remote amplifier. • Refer to general troubleshooting section in the ICS/SP2 Remote Subset/Speaker Amplifier manual for adjustments and settings that affect ICS/SP2 subset operation.

Specifications

Handset
Microphone : dynamic
Receiver : dynamic, hearing aid compatible
Cord : retractile, 6-foot extended, Hytrel®
Material : ABS
External control : push-to-page handset pressbar
Subset
Construction/finish : black ABS Cycolac® housing with aluminum front panel
Mounting : desktop or wall mount; two 0.20-inch (5.1 mm) mounting holes
Overall dimensions : 8.94 H × 7.60 W × 4.56 D in (227.1 × 193.0 × 115.8 mm)
Shipping weight : 5.0 lb (2.3 kg)
Net weight : 3.0 lb (1.4 kg)
Environmental

Temperature range (operation and storage) : –22 ºF to 158 ºF (–30 ºC to 70 ºC)
Humidity : 95% non-condensing
Approvals
NRTL certified for use in US and Canada : UL/CSA 60950
CE Mark

Warranty

Equipment. GAI-Tronics warrants for a period of one (1) year from the date of shipment, that any GAI-Tronics equipment supplied hereunder shall be free of defects in material and workmanship, shall comply with the then-current product specifications and product literature, and if applicable, shall be fit for the purpose specified in the agreed-upon quotation or proposal document. If (a) Seller's goods prove to be defective in workmanship and/or material under normal and proper usage, or unfit for the purpose specified and agreed upon, and (b) Buyer's claim is made within the warranty period set forth above, Buyer may return such goods to GAI-Tronics' nearest depot repair facility, freight prepaid, at which time they will be repaired or replaced, at Seller's option, without charge to Buyer. Repair or replacement shall be Buyer's sole and exclusive remedy. The warranty period on any repaired or replacement equipment shall be the greater of the ninety (90) day repair warranty or one (1) year from the date the original equipment was shipped. In no event shall GAI-Tronics warranty obligations with respect to equipment exceed 100% of the total cost of the equipment supplied hereunder. Buyer may also be entitled to the manufacturer's warranty on any third-party goods supplied by GAI-Tronics hereunder. The applicability of any such third-party warranty will be determined by GAI-Tronics.

Services. Any services GAI-Tronics provides hereunder, whether directly or through subcontractors, shall be performed in accordance with the standard of care with which such services are normally provided in the industry. If the services fail to meet the applicable industry standard, GAI-Tronics will re-perform such services at no cost to buyer to correct said deficiency to Company's satisfaction provided any and all issues are identified prior to the demobilization of the Contractor's personnel from the work site. Re-performance of services shall be Buyer's sole and exclusive remedy, and in no event shall GAITronics warranty obligations with respect to services exceed 100% of the total cost of the services provided hereunder.

Warranty Periods. Every claim by Buyer alleging a defect in the goods and/or services provided hereunder shall be deemed waived unless such claim is made in writing within the applicable warranty periods as set forth above. Provided, however, that if the defect complained of is latent and not discoverable within the above warranty periods, every claim arising on account of such latent defect shall be deemed waived unless it is made in writing within a reasonable time after such latent defect is or should have been discovered by Buyer.

Limitations / Exclusions. The warranties herein shall not apply to, and GAI-Tronics shall not be responsible for, any damage to the goods or failure of the services supplied hereunder, to the extent caused by Buyer's neglect, failure to follow operational and maintenance procedures provided with the equipment, or the use of technicians not specifically authorized by GAI-Tronics to maintain or service the equipment. THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES AND REMEDIES, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Return Policy

If the equipment requires service, contact your Regional Service Center for a return authorization number (RA#). Equipment should be shipped prepaid to GAI-Tronics with a return authorization number and a purchase order number. If the equipment is under warranty, repairs or a replacement will be made in accordance with the warranty policy set forth above. Please include a written explanation of all defects to assist our technicians in their troubleshooting efforts.
Call 800-492-1212 (inside the USA) or 610-777-1374 (outside the USA) for help identifying the Regional Service Center closest to you.

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Documents / Resources

GAI-Tronics ICS Desktop Subset [pdf] Instruction Manual
ICS Desktop Subset, ICS, Desktop Subset, Subset

References

- 🌐 **GAI-Tronics | Homepage**
- **User Manual**