GAI-Tronics SP2 Firmware

\*\*\*If your SP2 is currently at a version < 1.3.42, after updating you will need to re-calibrate the speaker – or if you are at version >= 1.3.42 and you change the parameter als\_enable you must also re-calibrate the speaker. See Configuration Guide on how to calibrate speakers\*\*\*

1.5.6 – Released on 11/28/2024

## Features/Enhancements/Fixes:

* Changed delay to 5 seconds when beacon monitoring was set to SB\_S and RTUOP1 was fired, needed to delay longer before monitoring again. This was occasionally causing errors as reported by E3, then immediately clearing.

# Version History

1.5.3 – Released on 10/07/2024

## Features/Enhancements/Fixes:

* Bug fix… Fixed issued, when paging the click of the press bar was coming out your own speaker.

1.5.2 – Released on 09/05/2024

## Features/Enhancements/Fixes:

* Bug fix… when paging into an SP2 that had a new amplifier chip the start of audio was delayed by approx. 1 second. If ALS is enabled, this 1 second delay is unavoidable, otherwise delay should be minimal.

1.5.0 – Released on 07/01/2024

## Features/Enhancements/Fixes:

* Reduced and randomized messaging on the provisioning and control channel. This will allow mutual provisioning to be completed much quicker. This should also spread messages out instead of every SP2 transmitting message at the same time to help reduce traffic on the control channel.

1.4.7 – Released on 02/13/2024

## Features/Enhancements/Fixes:

* Add parameter named SNMPCOMMPASS and default to “public”. This is the SNMP Community String and can now be changed.

1.4.6 – Released on 09/29/2023

## Features/Enhancements/Fixes:

* Versions 1.4.3 and 1.4.5 had a bug where the watchdog was not being toggled soon enough after a reboot/reset. This could cause the unit to not reboot properly. This may have caused the heartbeat LED to stop. To get the unit back to running condition remove the watchdog jumper, wait until the unit reboots properly (Heartbeat will toggle), then reinstall the watchdog jumper again.

1.4.5 – Released on 07/13/2023

## Features/Enhancements/Fixes:

* Fixed if too much network traffic (ARP STORM OR DDOS ATTACK) unit should now recover with a reboot.
* Added LOCATE command accessible by CLI and GUDA (ADMIN) which will sound external speaker and handset for 30 seconds of desired unit.
* Added parameter "NW\_HB" defaulting to TRUE. If TRUE and the SP2 has not received any traffic on the control channel for 1 minute, it will send out a heartbeat message and await a response. One of the SP2's on this channel should respond. If no SP2's respond within 5 minutes, the unit will reboot. If for some reason your SP2 cannot communicate with other SP2's on this channel you will see a constant rebooting every ~5 minutes. If you do not desire this operation set "NW\_HB" to FALSE.

1.4.3 – Released on 04/18/2023

## Features/Enhancements/Fixes:

* Fixed various communication issues that were leading to Sp2 Dashboard and/or GUDA to not see the unit.
* Fixed Real Time Clock initialization.
* Fixed high ambient noise levels causing the Handset Mic Amp test to fail.
* Added mode for special hardware: HF\_MODE (Hands Free) parameter defaults to FALSE. To go along with this mode, added parameter: HF\_PTT\_MUTE (Hands Free PTT Mute) parameter defaults to TRUE.

1.4.0 – Released on 04/27/2022

## Features/Enhancements/Fixes:

* Add capability to talk to GUDA software.
* This is the most useful to use the admin utilities in GUDA.

# Installation

Consider the following information when installing or updating to SP2 firmware 1.4.0:

* Use the SP2 Console/Dashboard to update firmware via TFTP.
* After this first update, you may then use GUDA for future updates.

1.3.42 – Released on 1/10/2022

## Features/Enhancements/Fixes:

* Backwards compatible firmware update to work with new amplifier chip.

# Installation

Consider the following information when installing or updating to SP2 firmware 1.3.42:

* Use the SP2 Console/Dashboard to update firmware via TFTP.
* When updating from versions < 1.3.42 you will have to perform the speaker calibration procedure over on those units.

1.3.35 – Released on 10/11/2021

## Features/Enhancements/Fixes:

* Backwards compatible firmware update to adjust POE and POE+ RTU trigger voltages.

# Installation

Consider the following information when installing or updating to SP2 firmware 1.3.35:

* Use the SP2 Console/Dashboard to update firmware via TFTP.