Pub. 42004-531A

GAI-TRONICS®
A HUBBELL COMPANY

GUDA

GAI-Tronics Universal Device Application

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Confidentiality Notice

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General Information

The GUDA (GAI-Tronics Universal Device Application) enables configuration of GAI-Tronics HUBBCOM™ devices. The application has the following requirements:

- Windows 10® or Windows 7®with Microsoft .NET Framework 4.6.1
- Intel® i3 2.0 GHz with dual cores or better processor
- 4 GB ram or more
- DirectX 9 capable video card with a 1024 × 768 dpi minimum screen resolution

Preparation

Obtain the GUDA software

Download the GUDA software from the GAI-Tronics website at www.gai-tronics.com:

1. Click the HUBBCOM™ IP Devices link.
2. Scroll down the page and click the DOWNLOAD GUDA button.
3. Click the link to download the software.
4. Specify a location to save the download.

Install the GUDA software

1. Double click the downloaded application to launch the installation.
2. Click the Run button to continue past the open file security warning.
3. Click Yes when prompted by the system to allow the installation to change the PC's configurartion.
4. Keep the default installation path and click next.

5. Keep the default start menu folder and click next.
6. Select the option to create a desktop shortcut if desired and click next.
7. Select the option to run the GUDA, if desired, and click Finish to complete the installation Configuration

Launch the GUDA Software

1. Launch the GUDA application from the desktop shortcut or from the Windows start menu.
2. The initial program screen loads:

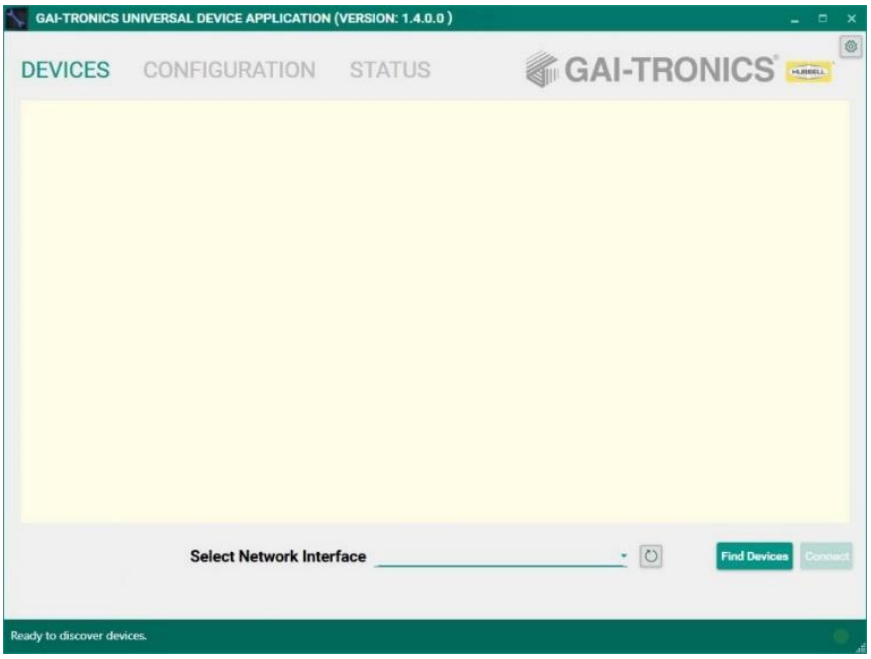

Figure 1. Initial Program Screen

Application Settings

Click the gear icon in the upper right corner of the window to modify the default application settings (See Figure 2).

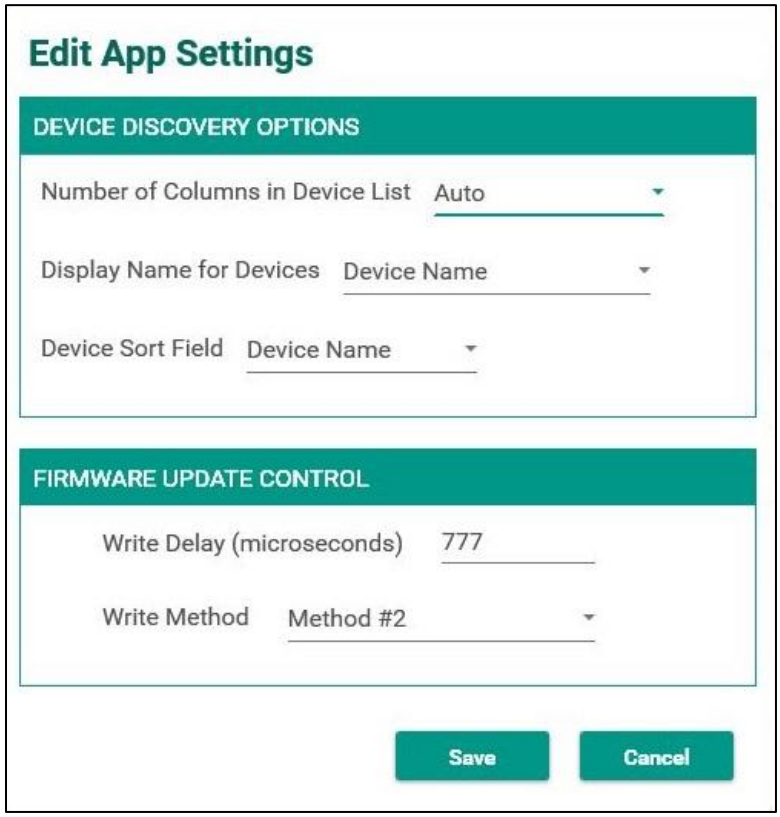

Figure 2. Application Settings

Device Discovery Options

- Number of Columns in Device List—**Auto/**1–8
- Display Name for Devices—**Device Name/**Host Name/Device Name, Host Name/Host Name, Device Name
- Device Sort Field—**Device Name**/HostName

Firmware Update Control

- Write Delay(microseconds)—777
- Write Method—Method #1/**Method #2/**Method #3/Method #4/Method #5

Device Discovery

1. Click the dropdown button next to SELECT NETWORK INTERFACE to select the network adapter for the discovery of devices on that network.
2. Click the refresh button next to the interface field to refresh the list of active network adapters to perform a network discovery for devices.
3. Use the drop-down list to select a different network if the HUBBCOM™ devices are on a different network accessed through another network adapter.

4. Click the FIND DEVICES button to locate available HUBBCOM™ devices.

   Unconfigured devices appear with the factory default name: HUBBCOM-MAC-ADDRESS.

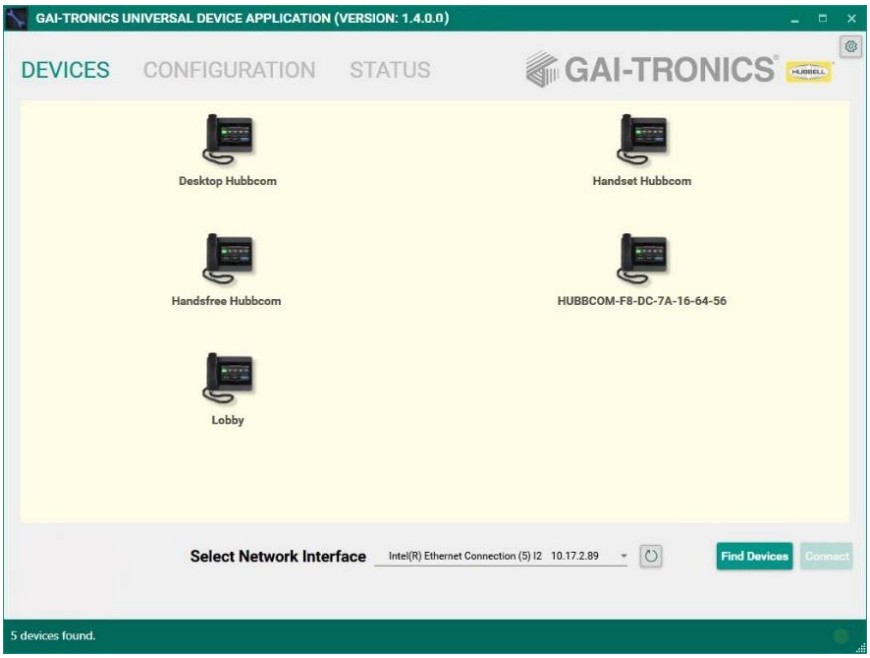

Figure 3. Discovered Devices

Device Access

1. Double click the desired device to configure or select the desired device and click the CONNECT button.

   The device login screen appears:

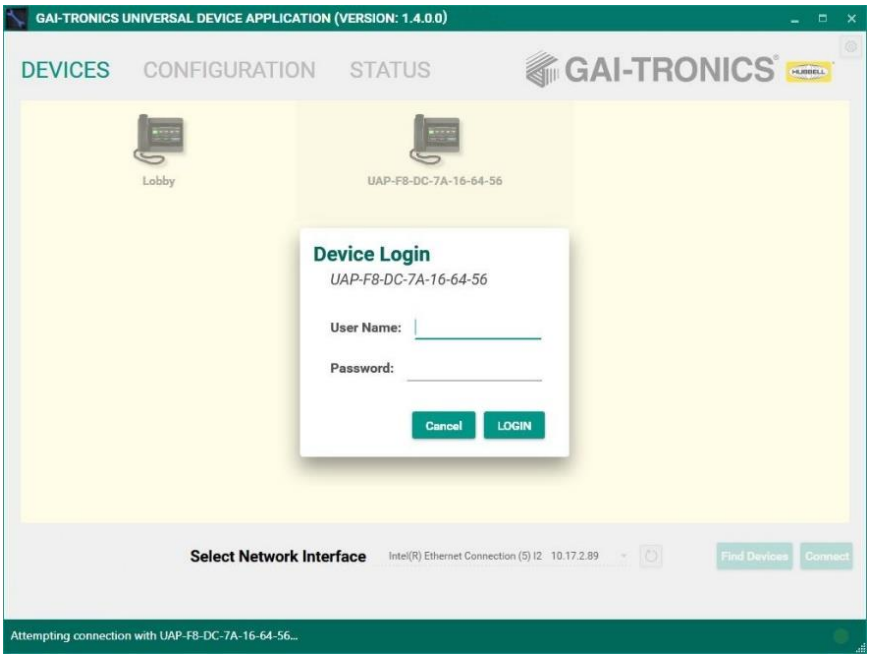

Figure 4. Device Login

2. Enter the user ID and password and click the LOGIN button.

   The default factory assigned username and password are:

   - User Name: ***gai-tronics***
   - Password: ***pageparty***

   A prompt to change the default user name and password appear upon first login to each device.

3. Enter a new user name and password and click the CHANGE PASSWORD button.

   The Unit Configuration tab is displayed:

HUBBCOM™ Configuration

Unit

The UNIT CONFIGURATION screen appears upon accessing a HUBBCOM™ device. A vertical scroll bar will appear if the window is too long to fit in the available screen height (see Figure 5):

The Unit Configuration screen contains the following parameters:

- Model—This read-only field displays the model number of the currently connected HUBBCOM™ device.
- Device Name—the default device name is HUBBCOM-MAC-ADDR. This field can be edited to provide a user-friendly recognizable name.
- Home Mode—the startup mode for the device. The options are:
  - **Intercom**
  - Phone
  - Web portal
  - None
- Number of Lines—1–**4** is the number of simultaneous telephone connections that the unit can service.
- Show Clock—Yes/**No**
- External Speaker—Yes/**No**
- Orientation—**Auto**/Portrait (Right)/Portrait (Left)/Landscape (Normal)/Landscape (Inverted)
- Brightness—**High**/Mid/Low
- Screen Saver On—**No**\Yes
- Screen Saver Delay—the time in seconds before the screen saver starts when enabled. [15–3600] in 5-second steps (**60** seconds)
- Activity Detect Contact—**None**/Local Out 1/Local Out 2/USB Out 1/USB Out 2
- Contact Active Times—
- Contact Active Times—
- Contact Active Times—
- Contact Active Times—

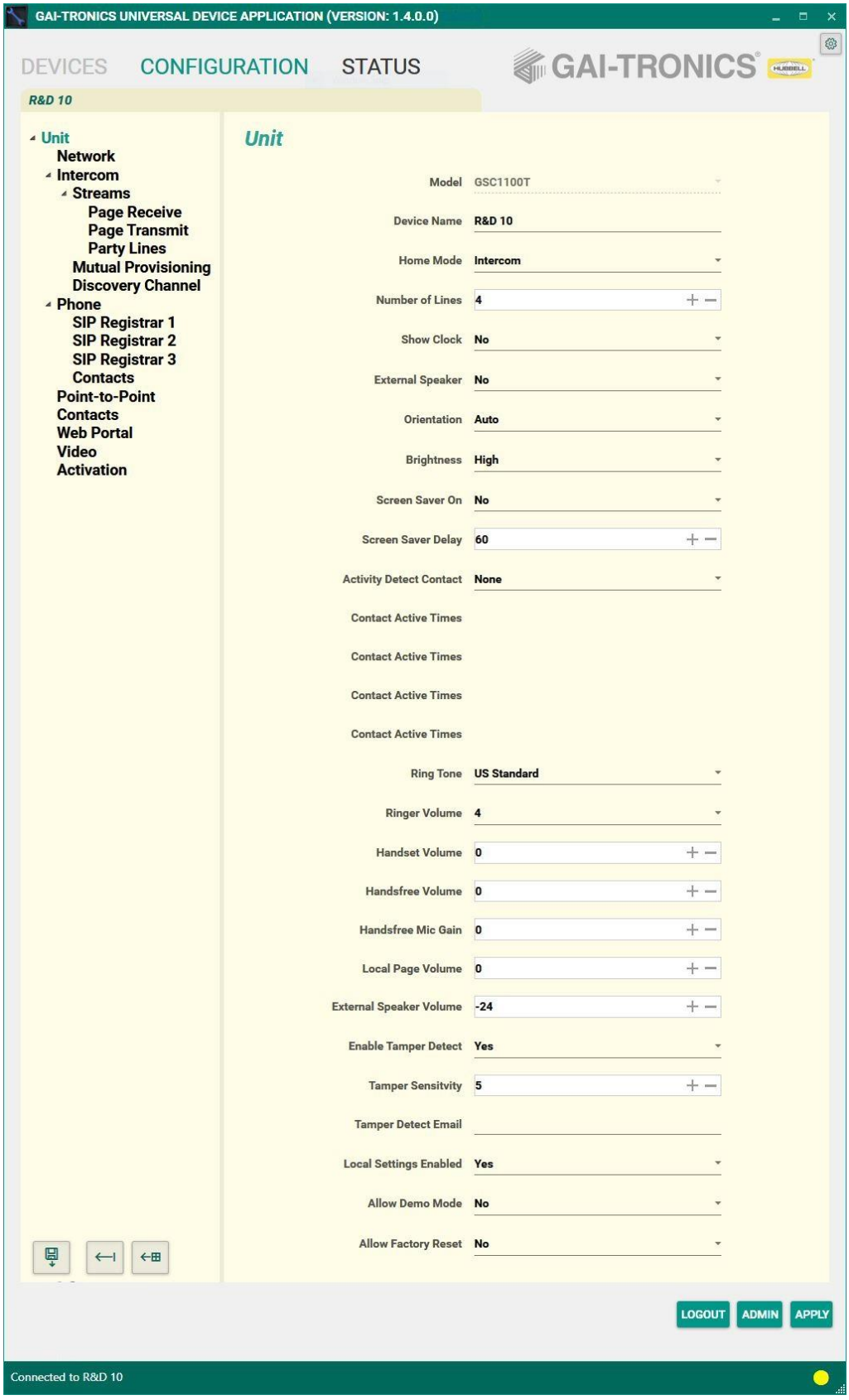

Figure 5. Unit Configuration Screen

- Ring Tone—
  - **US Standard**
  - Double Low
  - Double High
  - Double Low High
  - Double High Low
  - Long-short low
  - Short-long low
  - Long-short high
  - Short-long high
- Ringer Volume—Low/1/2/3/**4**/5/6/High
- Handset Volume—−12–**0**–+12
- Handsfree Volume—−12–**0**–+12
- Handsfree Mic Gain—−12–**0**–+12
- Local Page Volume—−12–**0**–+12
- External Speaker Volume—0–−36, **−24**
- Enable Tamper Detect—**Yes**/No
- Tamper Sensitivity—1–10, **5**
- Tamper Detect Email—SMTP email address to send tamper detect emails to
- Local Settings Enabled—Yes/**No**
- Allow Demo Mode—Yes/**No** (factory use only)
- Allow Factory Reset—Yes/**No**

Network/WiFi

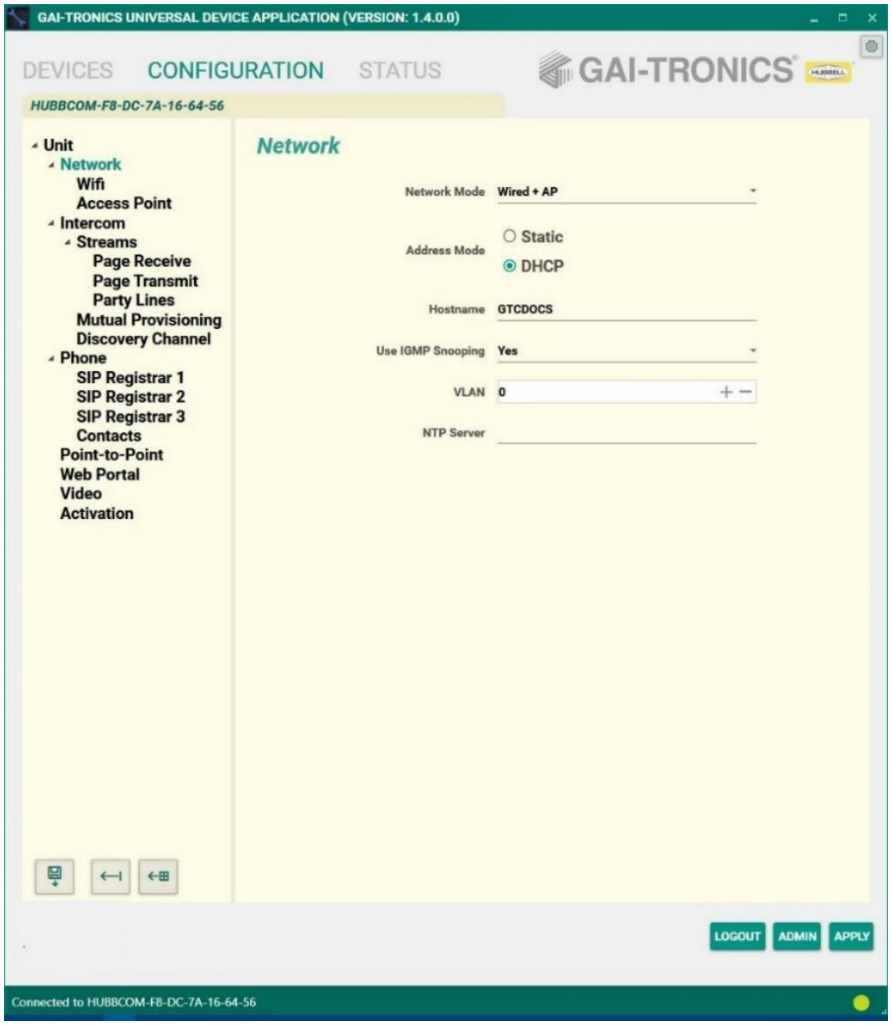

Figure 6. Network Configuration Parameters

- Network Mode—
  - **Wired**
  - Wired + AP
- Address Mode—Static or **DHCP**
- Hostname—HUBBCOM-MAC-ID (default)
- Use IGMP Snooping—Yes/**No**
- NTP Server—network time protocol server IP address

WiFi Settings:

- SSID—Service Set Identifier—This is the name of the wireless network to connect to in wireless mode or the name of the access point when operating in WIRED + AP mode.
- WPA Passphrase—The password necessary to access the wireless network.

Intercom

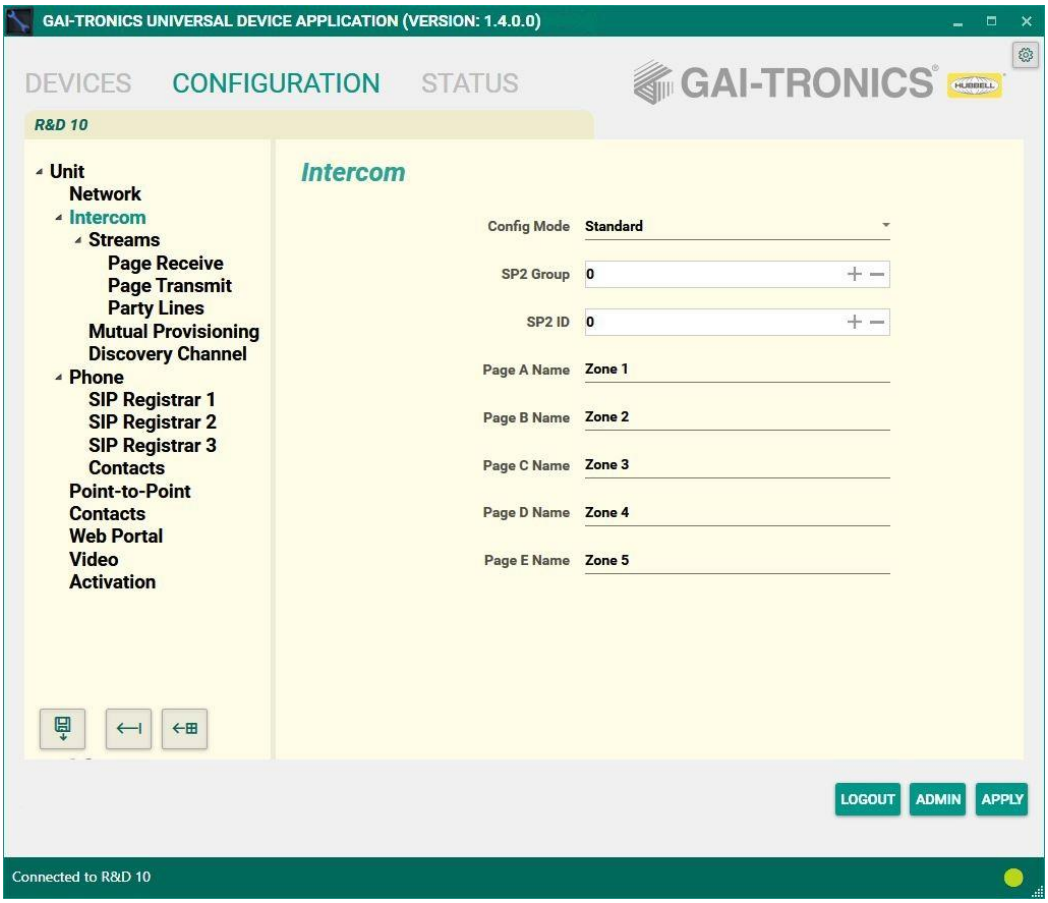

Figure 7. Intercom Settings

- Config Mode—**Mutual**/Standard
- SP2 Group—**0**–F
- SP2 ID—**0**–FF
- Page A Name—**Zone 1**
- Page B Name—**Zone 2**
- Page C Name—**Zone 3**
- Page D Name—**Zone 4**
- Page E Name—**Zone 5**

Streams

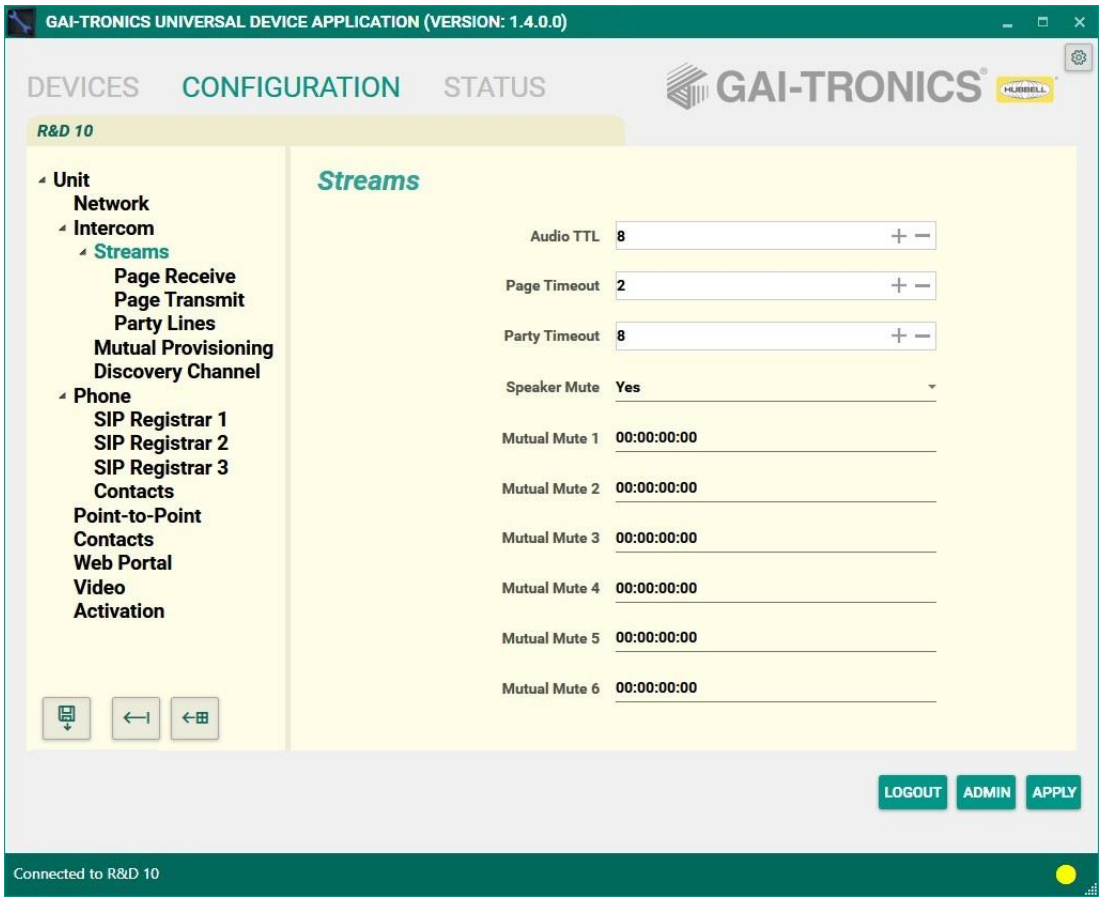

Figure 8. Stream Parameters

- Audio TTL—**8**
- Page Timeout—**2**
- Party Timeout—8
- Speaker Mute—Yes
- Mutual Mute 1—enter the last four octets of the MAC address of the device that should mute this station's speaker when broadcasting a page from that station.
- Mutual Mute 2—enter the last four octets of the MAC address of the device that should mute this station's speaker when broadcasting a page from that station.
- Mutual Mute 3—enter the last four octets of the MAC address of the device that should mute this station's speaker when broadcasting a page from that station.
- Mutual Mute 4—enter the last four octets of the MAC address of the device that should mute this station's speaker when broadcasting a page from that station.
- Mutual Mute 5—enter the last four octets of the MAC address of the device that should mute this station's speaker when broadcasting a page from that station.
- Mutual Mute 6—enter the last four octets of the MAC address of the device that should mute this station's speaker when broadcasting a page from that station.

Page Receive

The default page receive sockets are provided below. These socket addresses can be changed, if necessary to configure separate page and party systems

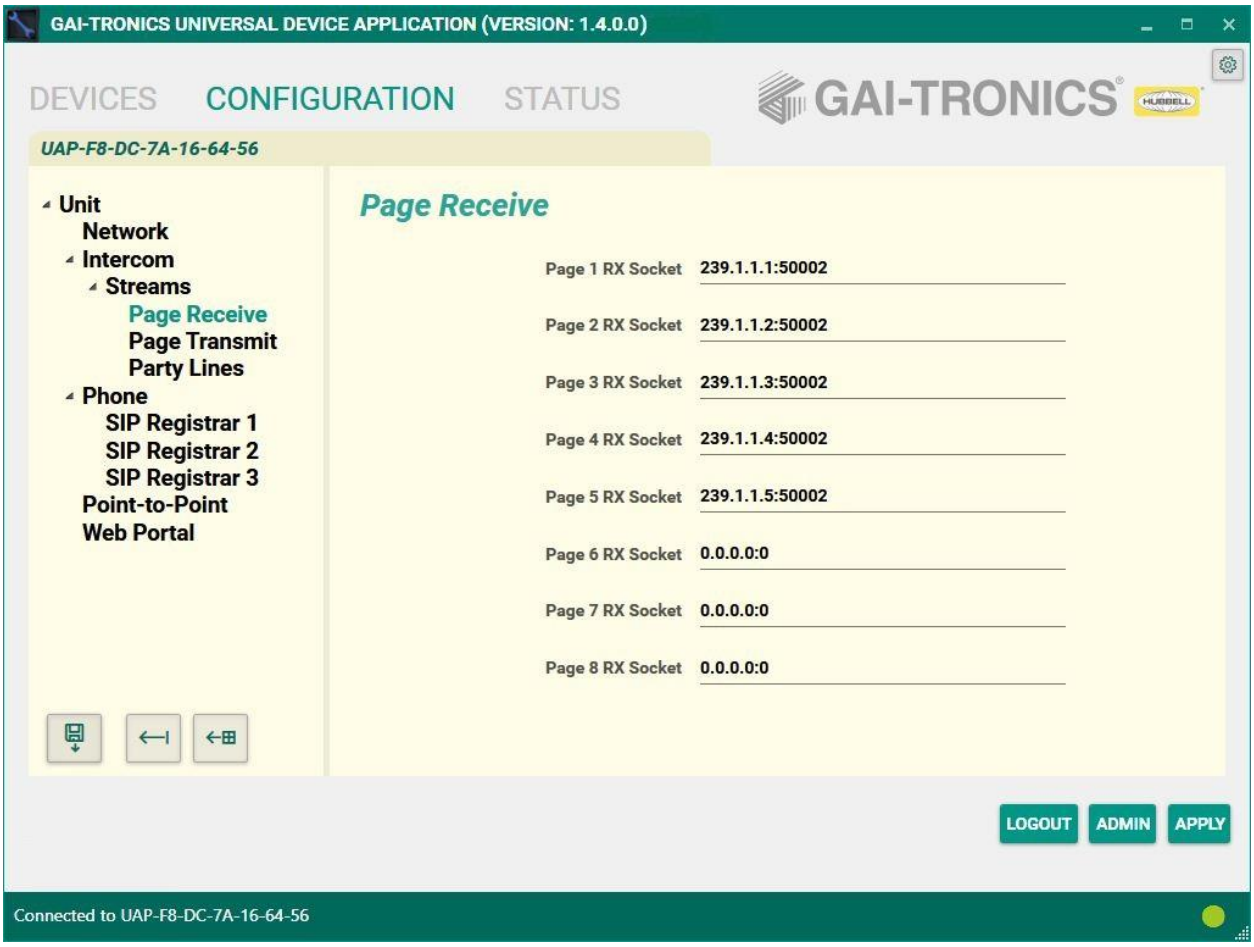

Figure 9. Page Receive Parameters

- Page 1 RX Socket—**239.1.1.1:50002**
- Page 2 RX Socket—**239.1.1.2:50002**
- Page 3 RX Socket—**239.1.1.3:50002**
- Page 4 RX Socket—**239.1.1.4:50002**
- Page 5 RX Socket—**239.1.1.5:50002**
- Page 6 RX Socket—**0.0.0.0**
- Page 7 RX Socket—**0.0.0.0**
- Page 8 RX Socket—**0.0.0.0**

Page Transmit

The default page transmit sockets are provided below. These socket addresses can be changed, if necessary, to configure unique page and party systems.

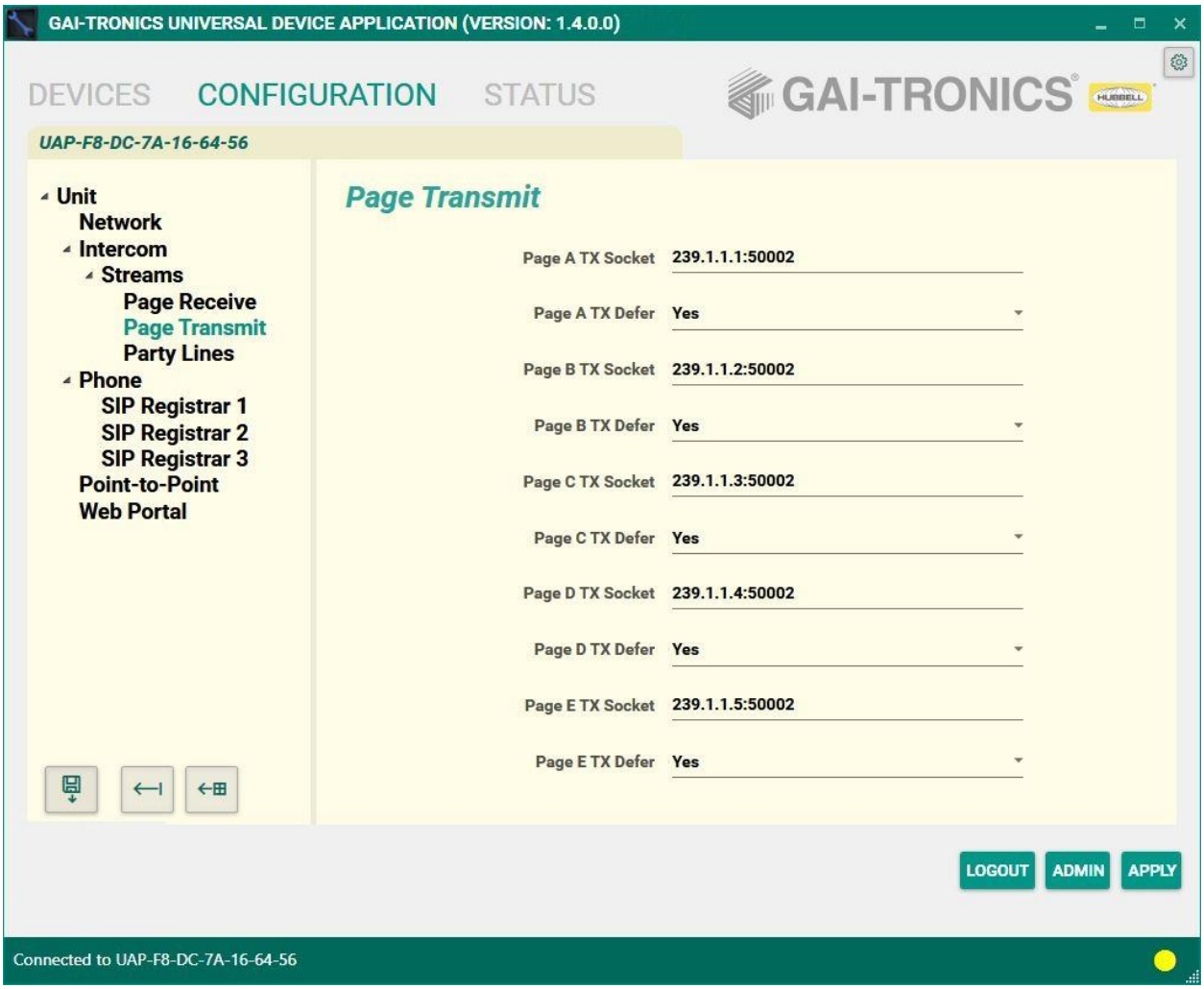

Figure 10. Page Transmit Parameters

- Page A TX Socket—**239.1.1.1:50002**
- Page A TX Defer—**Yes**
- Page B TX Socket—**239.1.1.2:50002**
- Page B TX Defer—**Yes**
- Page C TX Socket—**239.1.1.3:50002**
- Page C TX Defer—**Yes**
- Page D TX Socket—**239.1.1.4:50002**
- Page D TX Defer—**Yes**
- Page E TX Socket—**239.1.1.5:50002**
- Page E TX Defer—**Yes**

Party Lines

The default party line sockets are provided below. These socket addresses can be changed, if necessary, to configure unique page and party systems.

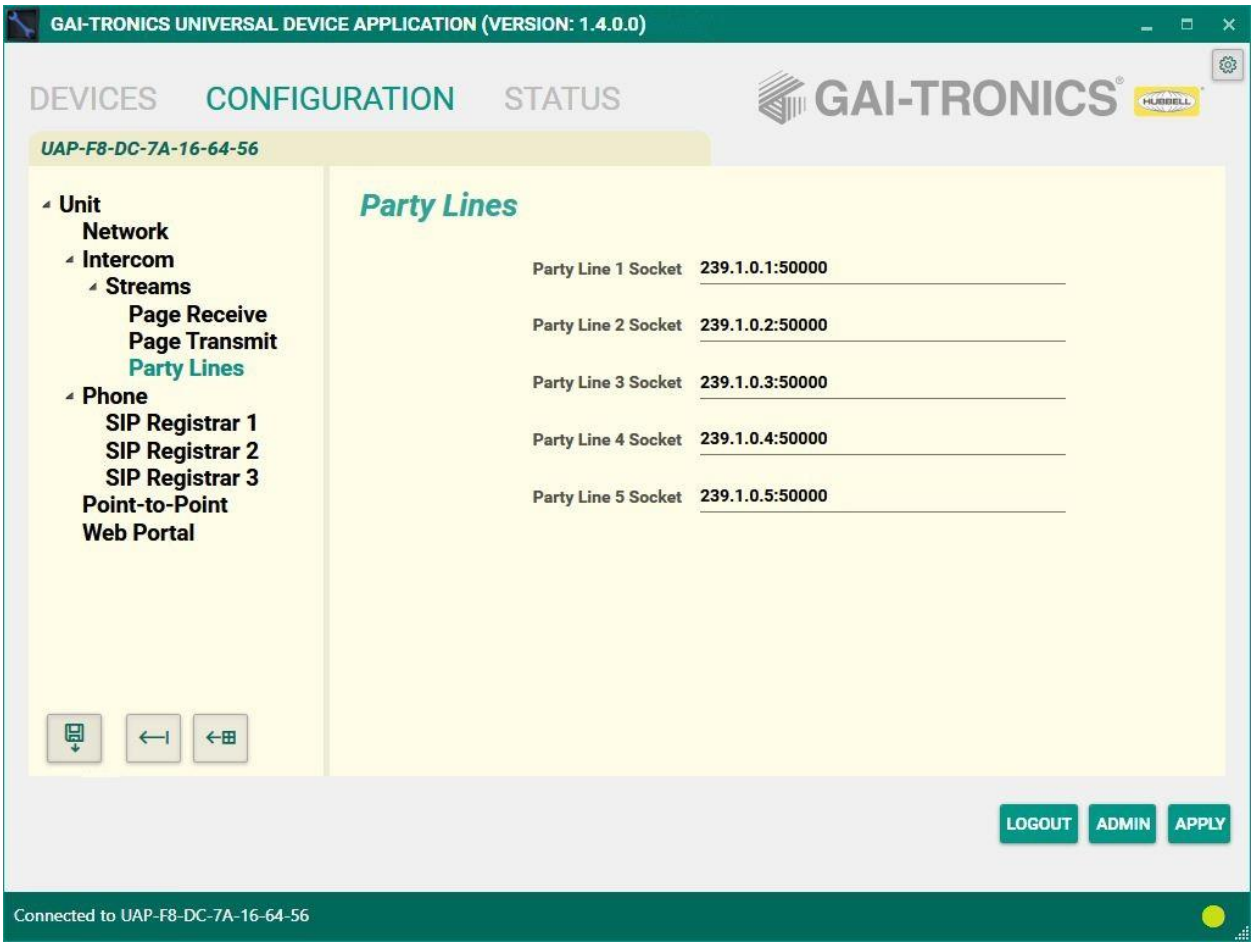

Figure 11. Party Line Parameters

- Party Line 1 Socket—**239.1.0.1:50000**
- Party Line 2 Socket—**239.1.0.2:50000**
- Party Line 3 Socket—**239.1.0.3:50000**
- Party Line 4 Socket—**239.1.0.4:50000**
- Party Line 5 Socket—**239.1.0.5:50000**

Mutual Provisioning ((All Settings Locked))

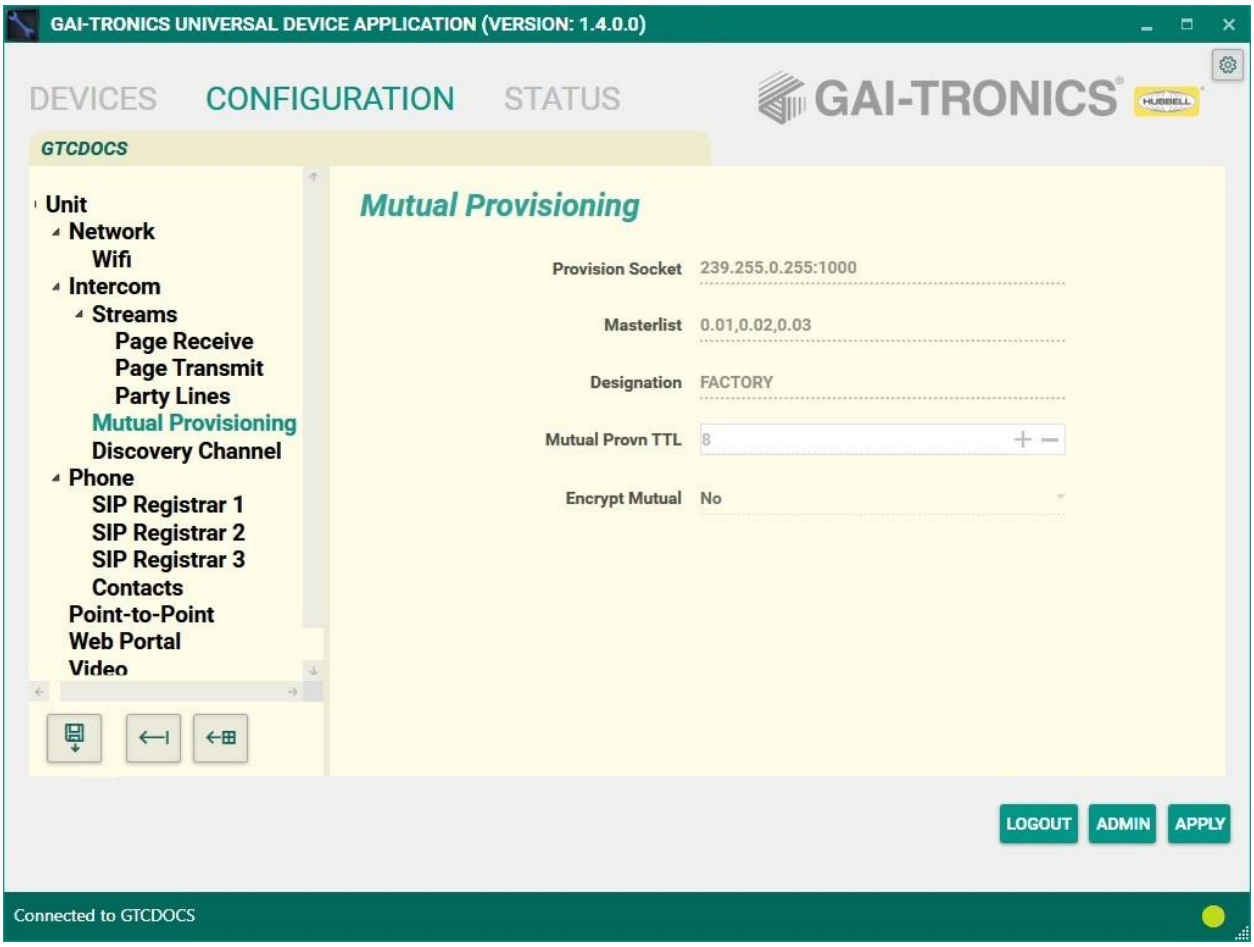

Figure 12. Mutual Provisioning Parameters

- Provision Socket—**239.255.0.255:1000**
- Master List—**0.01,0.02,0.03**
- Designation—**FACTORY**
- Mutual Provn TTL—**8**
- Encrypt Mutual—**No**

Discovery Channel (All Settings Locked)

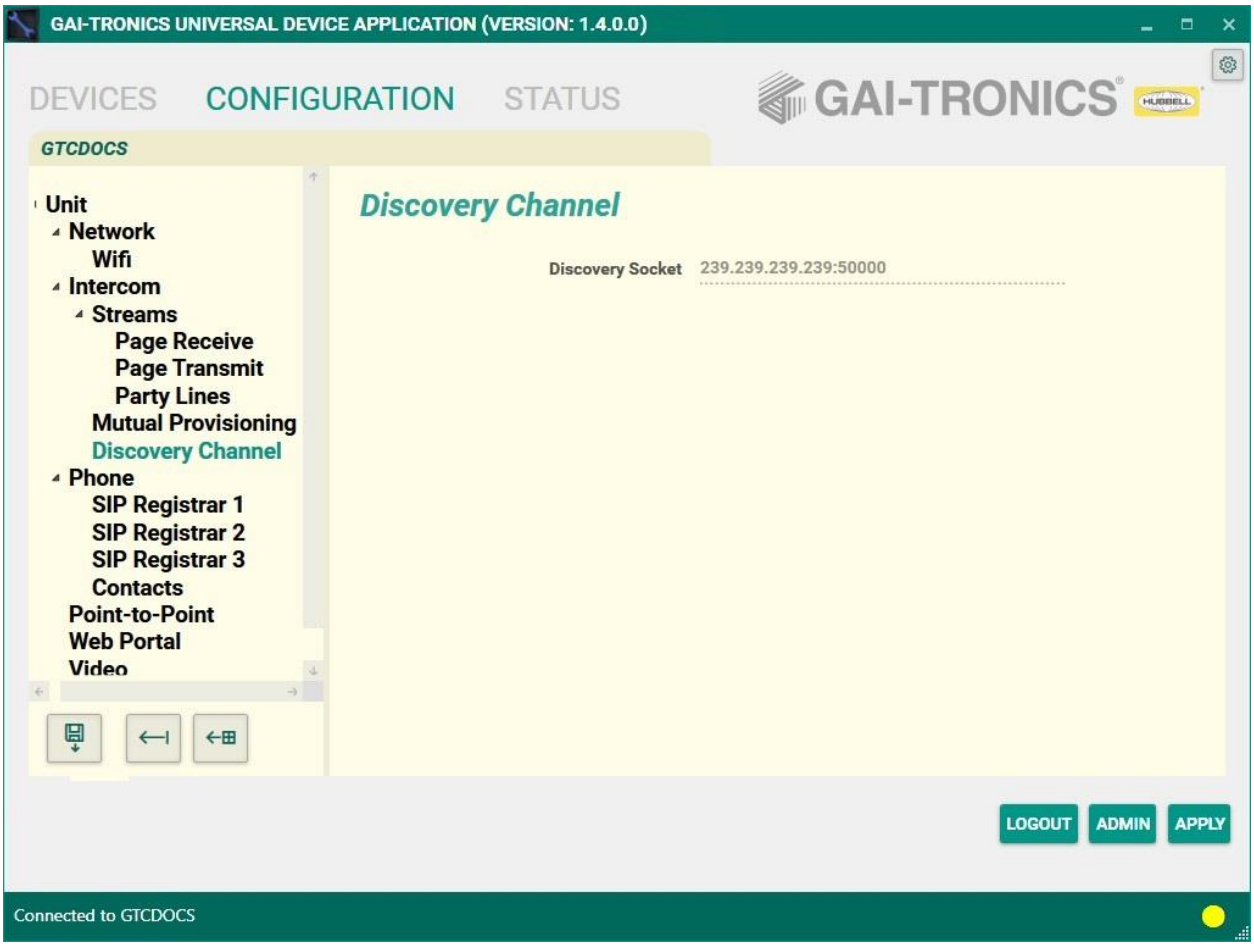

Figure 13. Discovery Channel Parameter

Discovery Socket—239.239.239.239:50000

Phone

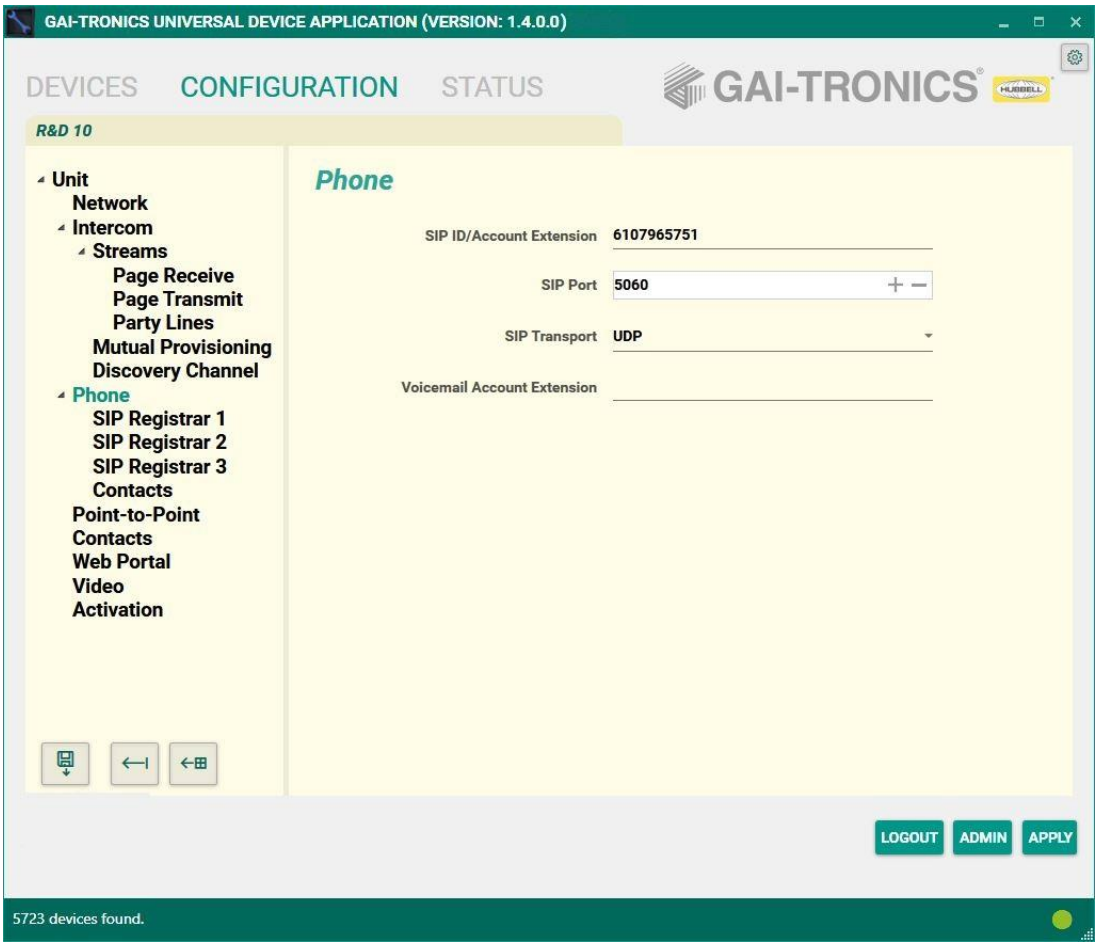

Figure 14. Phone Parameters

- SIP ID/Account Extension—enter the telephone number that this device will service.
- SIP Port—**5060**
- SIP Transport—**UDP**/TCP
- Voicemail Account Extension—Enter the extension for the voice mailbox.

SIP Registrar 1

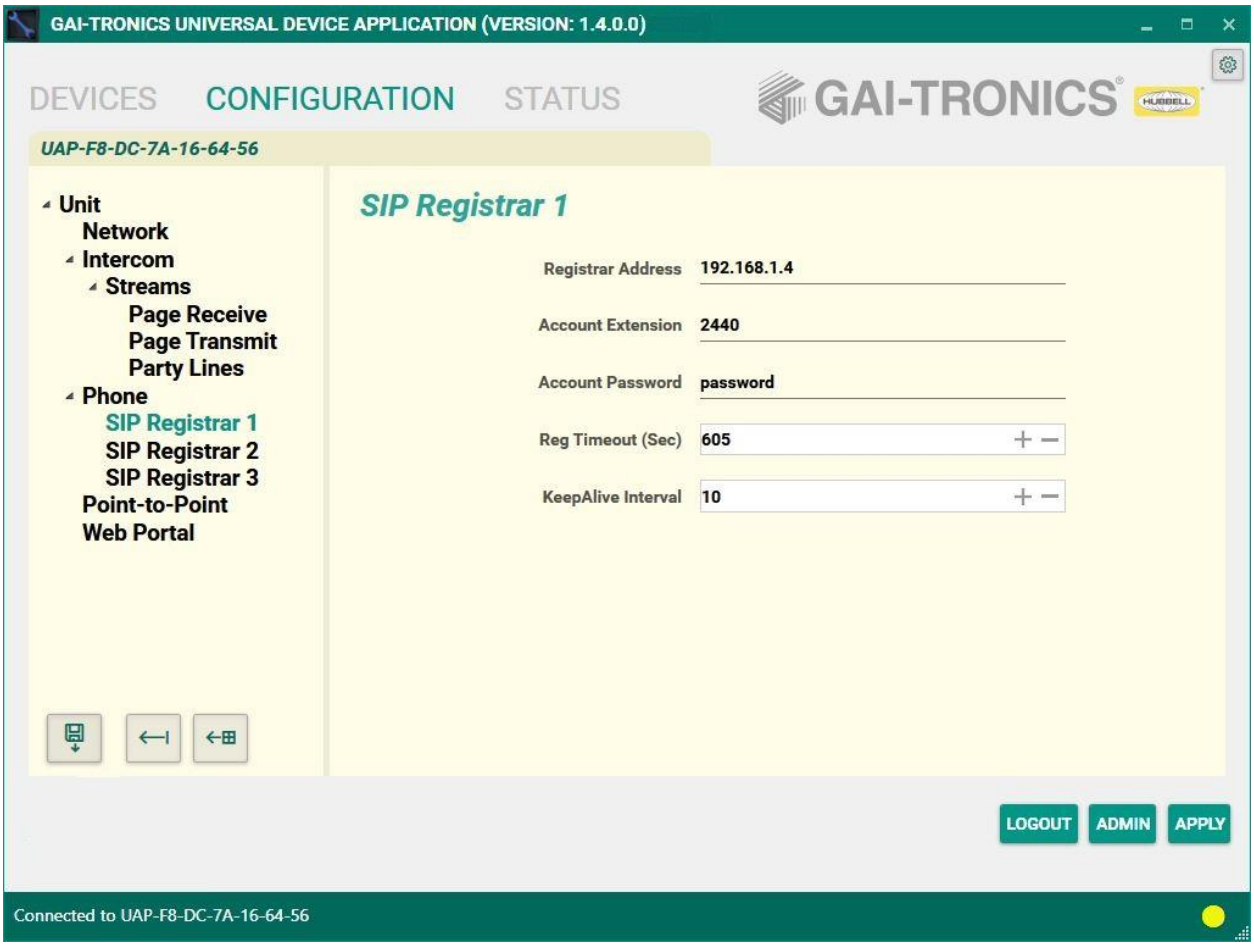

Figure 15. SIP Registrar One Parameters

- Registrar Address—the IP address of the first SIP Server
- Account Extension—the telephone extension for this device.
- Account Password—password needed to access the voice account on the SIP server.
- Reg Timeout(Sec)—65–65535, **605**
- KeepAlive Interval—0–1000, **25**

SIP Registrar 2/SIP Registrar 3

The functionality for a second and third SIP server is not yet implemented.

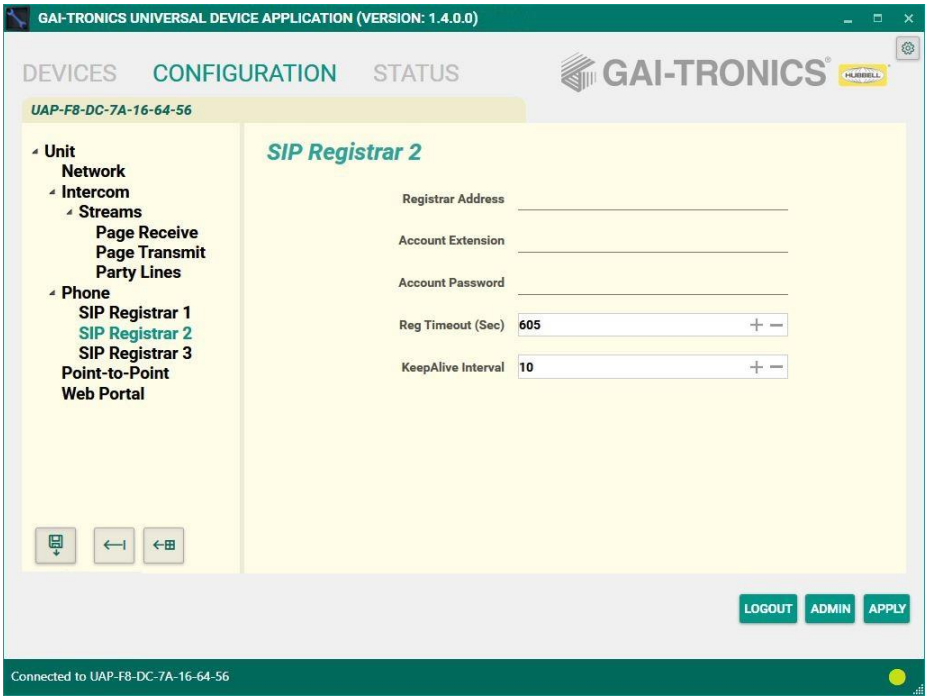

Figure 16. SIP Registrar Two Parameters (not implemented)

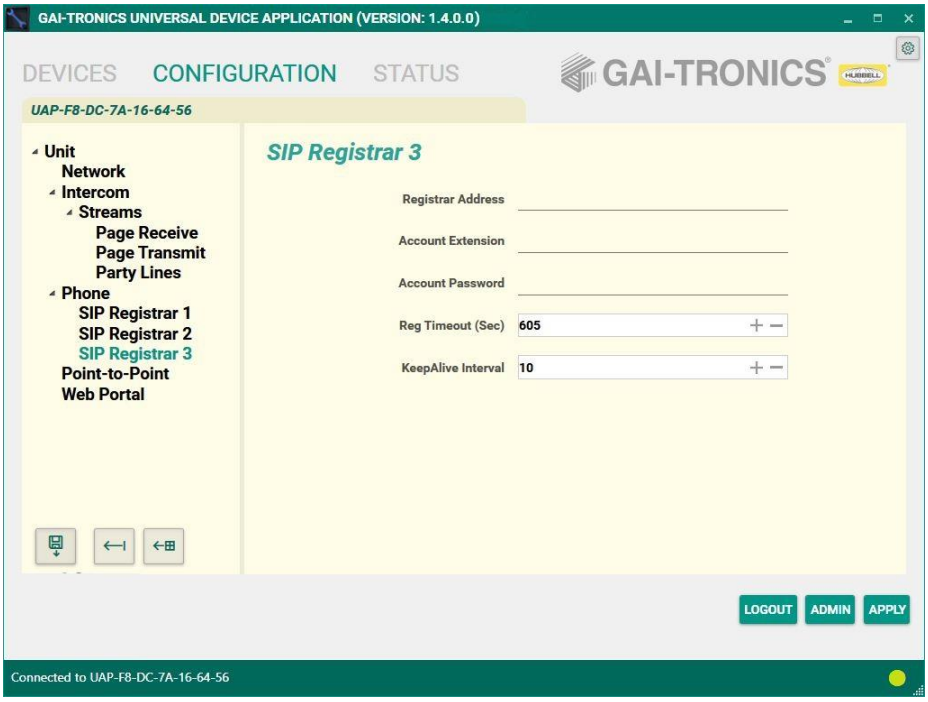

Figure 17. SIP Registrar Three Parameters (not implemented)

Contacts

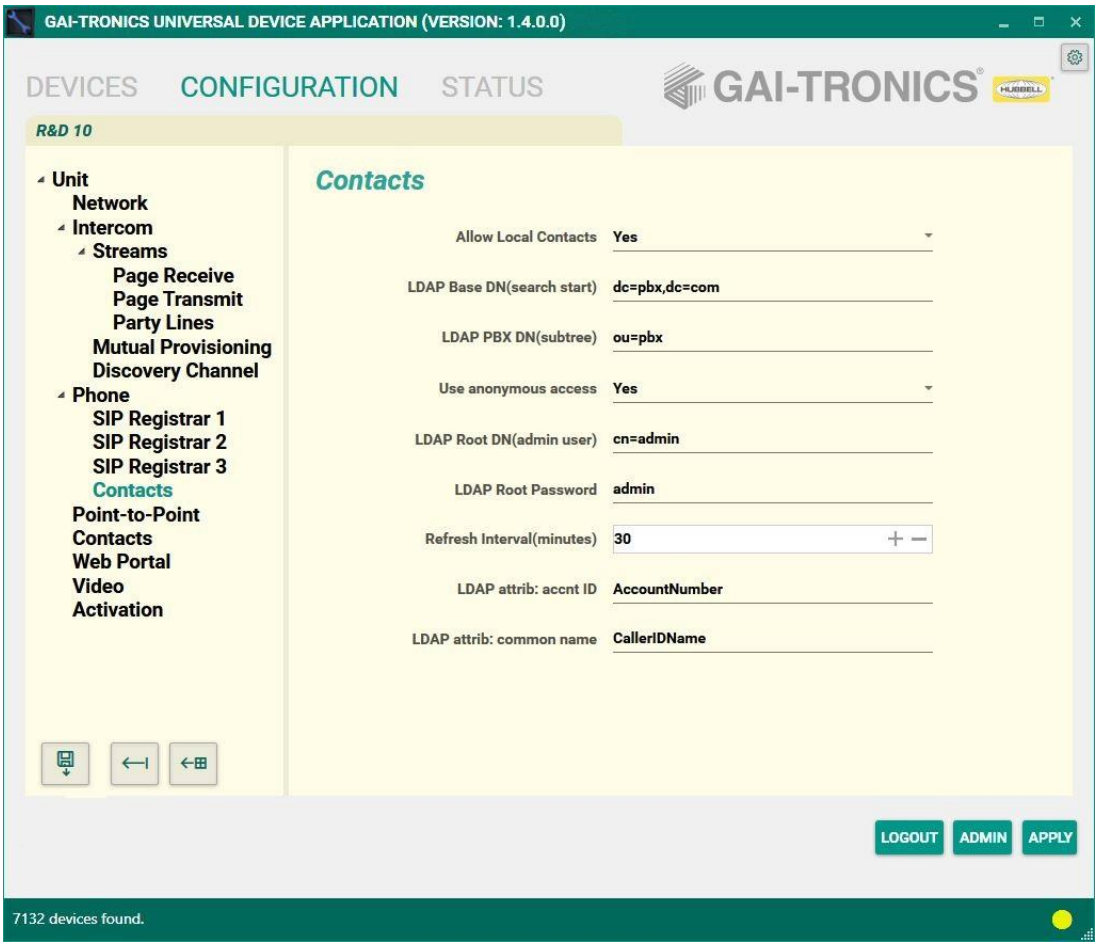

Figure 18. Contacts Parameters

- Allow Local Contacts—**Yes**/No
- LDAP Base DN(search start)—**dc-pbx,dc=com**
- LDAP PBX DN(subtree)—
- Use anonymous access—
- LDAP Root DN(admin user)—**cn=admin**
- LDAP Root Password—**admin**
- Refresh Interval(minutes)—10–3880, **30**
- LDAP attrib: accnt ID—**AccountNumber**
- LDAP attrib: common name—**CallerIDName**

Point-to-Point

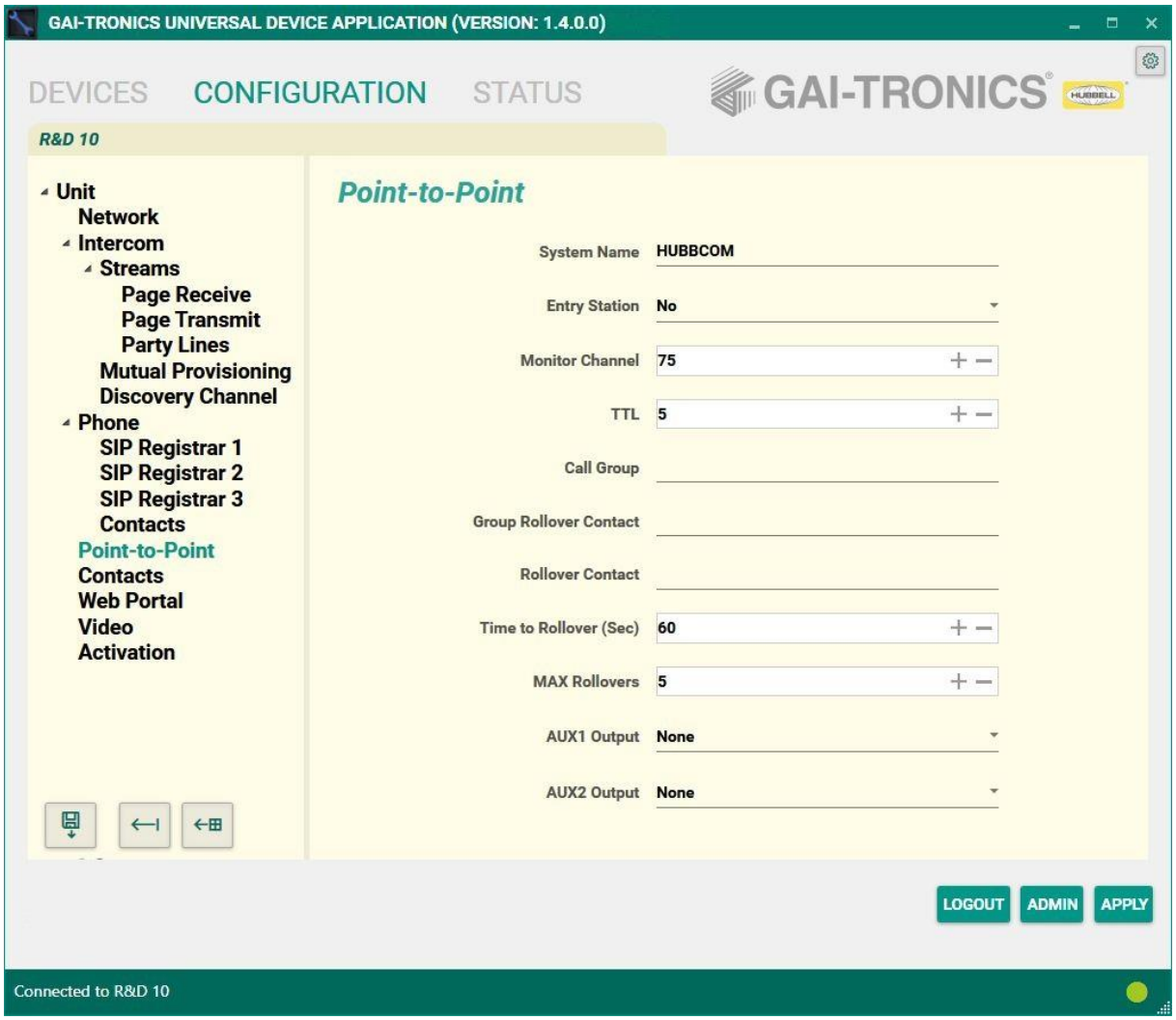

Figure 19. Point to Point Parameters

- System Name—HUBBCOM
- Entry Station—Yes/**No**
- Monitor Channel—0–255, **75**
- TTL—1–255, **5**
- Call Group—
- Group Rollover Contact—
- Rollover Contact—
- Time to Rollover (Sec)—18–600, **60**
- Max Rollovers—1–600, **5**
- Aux1 Output—**None**, Local Out 1, Local Out 2, USB Out 1, USB Out 2
- Aus2 Output—**None**, Local Out 1, Local Out 2, USB Out 1, USB Out 2

Contacts

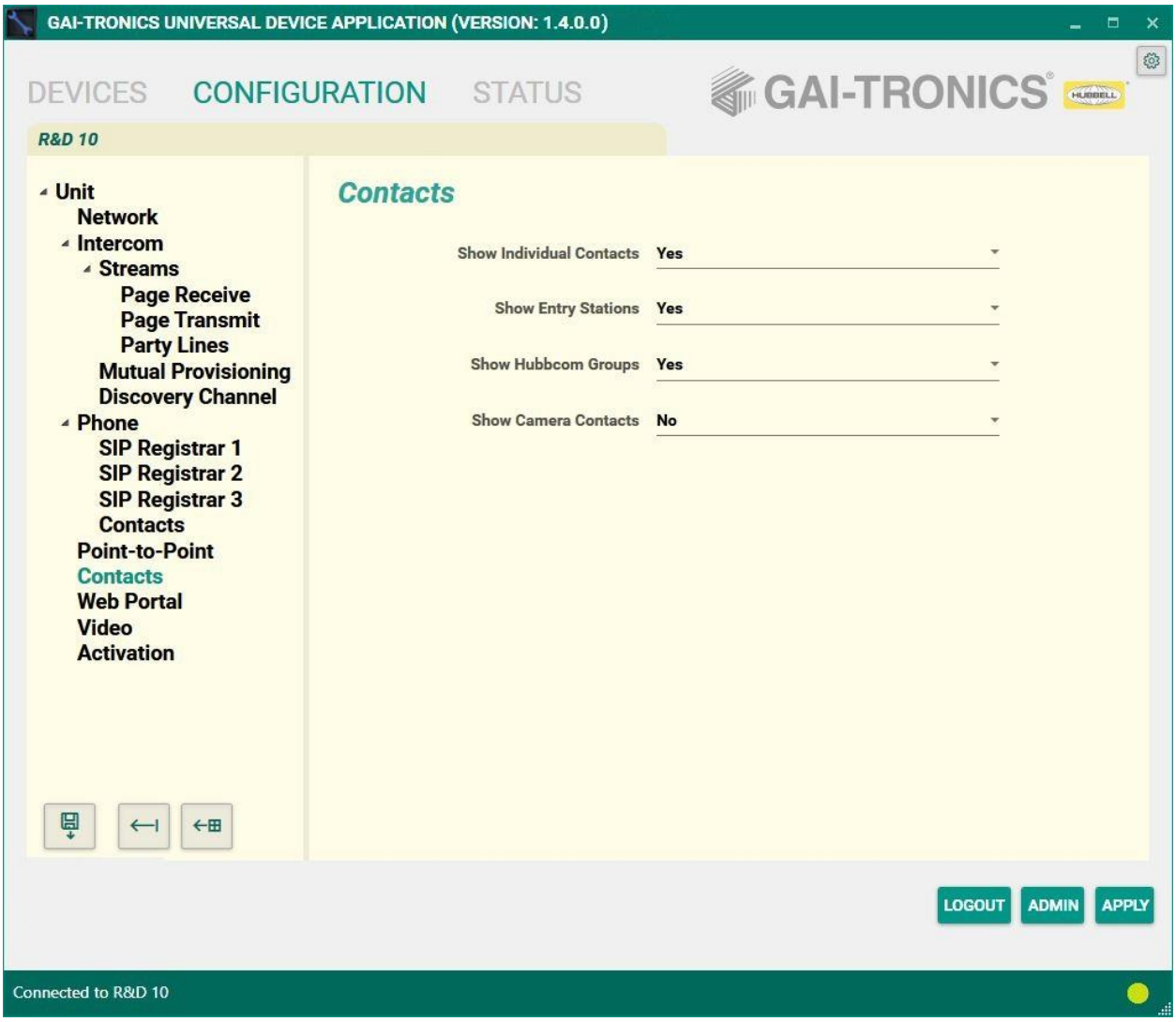

Figure 20. Contact Parameters

- Show Individual Contacts—**Yes**/No
- Show Entry Stations—**Yes**/No
- Show HUBBCOM Groups—**Yes**/No
- Show Camera Contacts—Yes/**No**

Web Portal

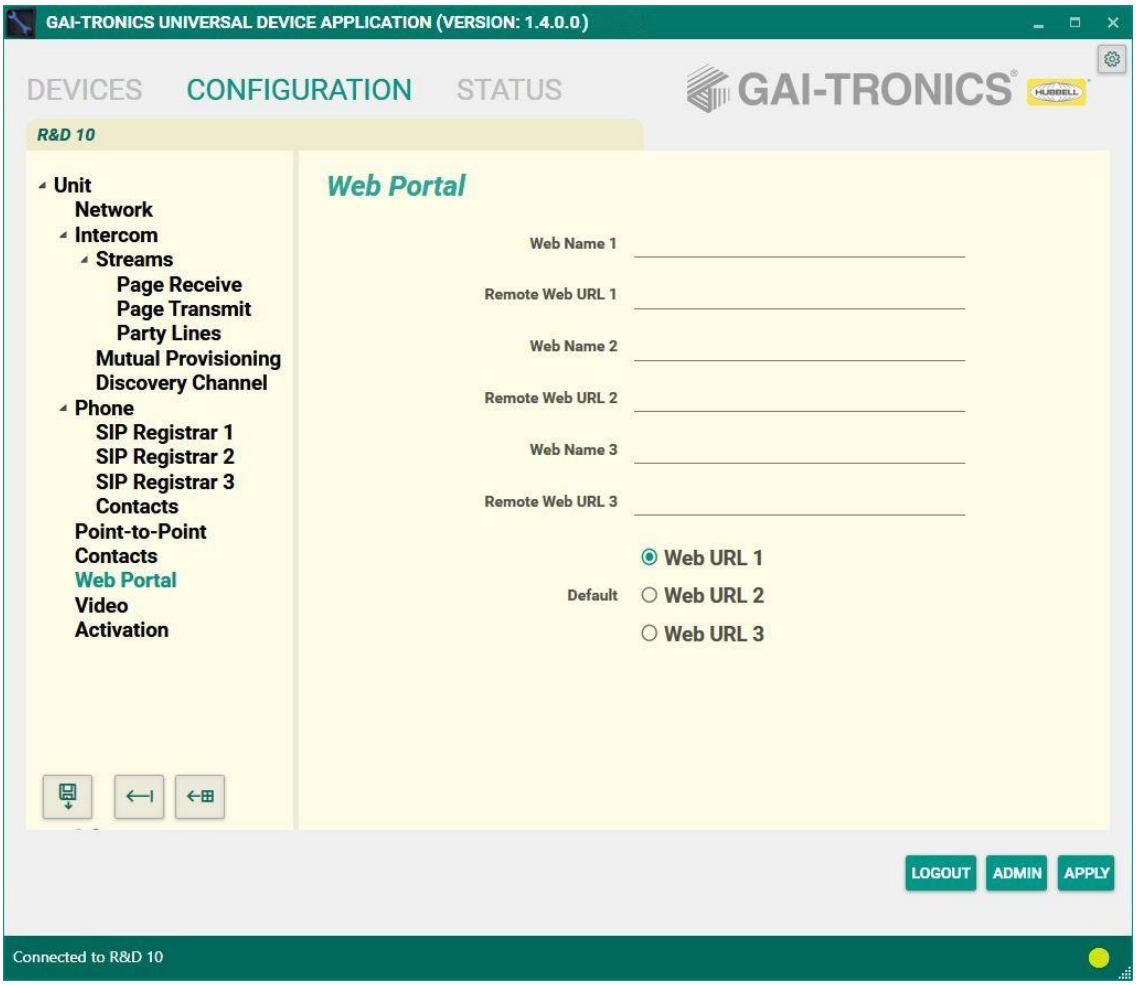

Figure 21. Web Portal Parameters

- Web Name 1—Enter the name of the first website accessible from this unit.
- Remote Web URL1—Enter the URL (Uniform Resource Locator) for the first website.
- Web Name 2— Enter the name of the second website accessible from this unit.
- Remote Web URL—Enter the URL (Uniform Resource Locator) for the first website.
- Web Name 1—Enter the name of the third website accessible from this unit.
- Remote Web URL1—Enter the URL (Uniform Resource Locator) for the first website.
- Default—Select the radio button for the default website to display: **Web URL 1**/Web URL 2/Web URL 3.

Video

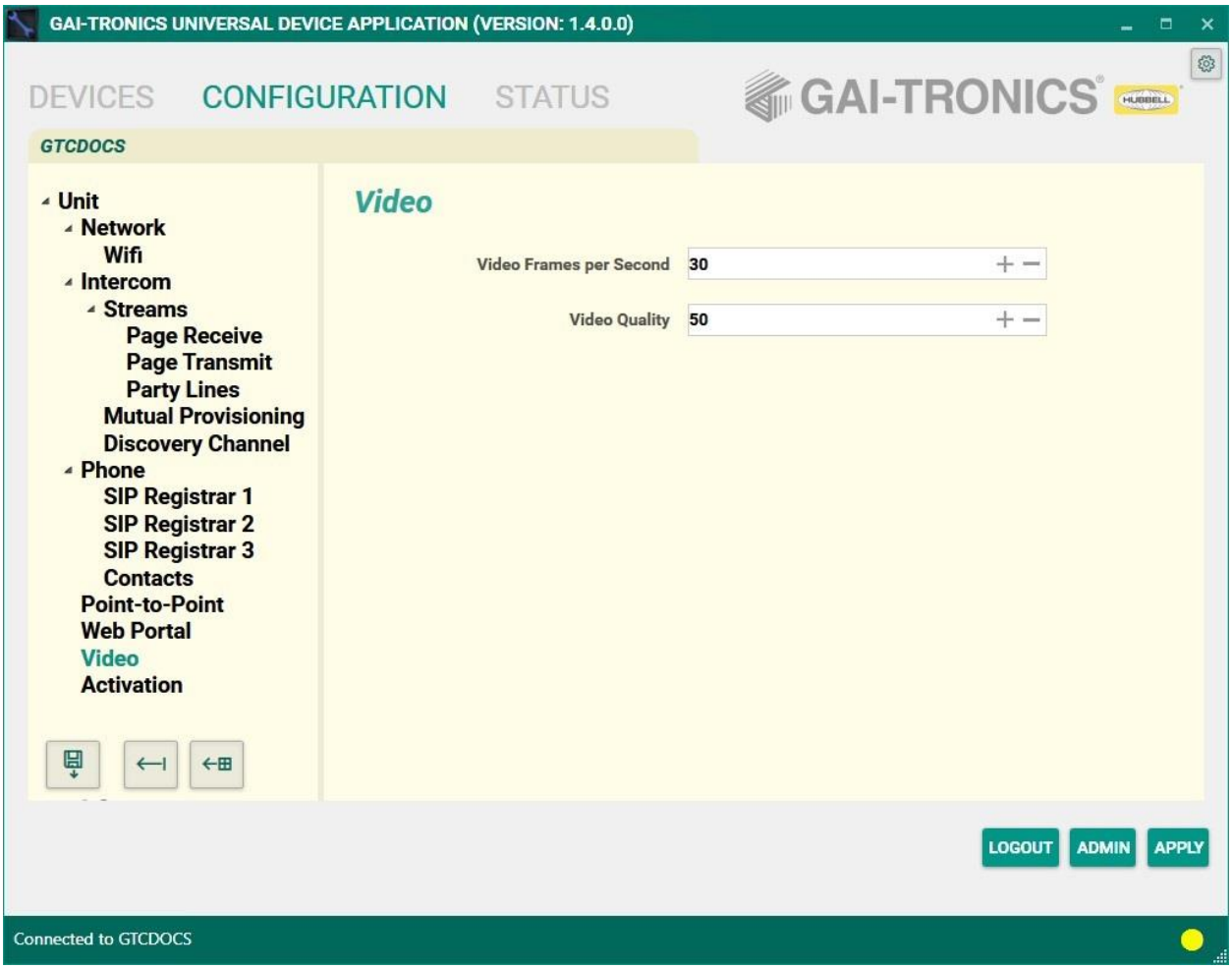

Figure 22. Video Parameters

- Video Frames per Second—1–**30**
- Video Quality—1–100, **50**

Activation

HUBBCOM™ devices are activated upon first bootup on the HUBBCOM device. This screen provides a method to change the activation key to change the functionality of the HUBBCOM™ unit.

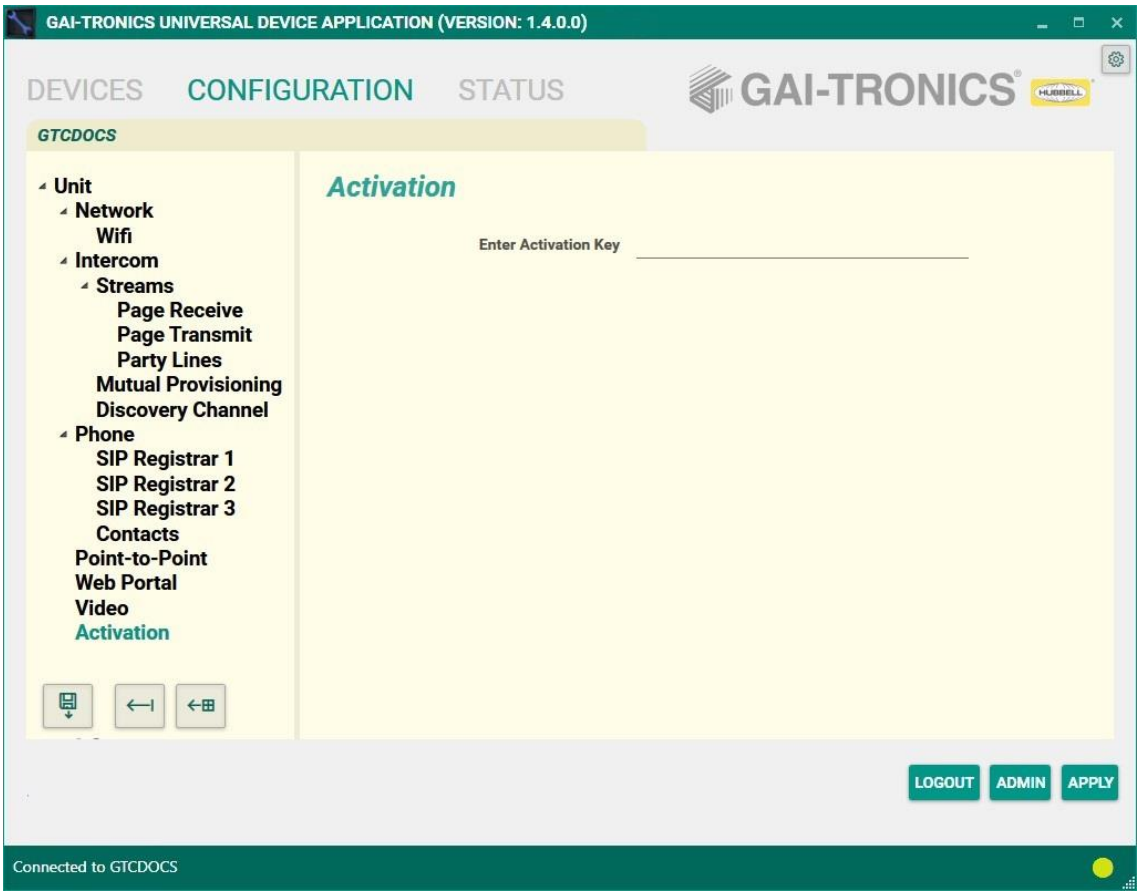

Figure 23. Product Activation Parameter

Enter Activation Key—Enter the key to activate the HUBBCOM™ device.

Device Export/Import Settings

Three buttons are located below the device settings tree structure on the left side of the window. Use these buttons to export and import device settings.

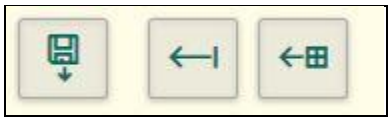

Figure 24. Export and Import Device Settings

- Export All Settings—Opens a Save-As dialog box to save the configuration as a JSON file
- Import Common Settings—Opens a File Open dialog box to open a JSON file containing the desired common settings.
- Import All Settings—Opens a File Open dialog box to browse for and open a JSON file containing all the configuration settings for the HUBBCOM™ device.

Device Action Buttons

Three buttons, located in the lower right corner of the window while connected to HUBBCOM™ device, provide logout, administration, and apply settings functionality.

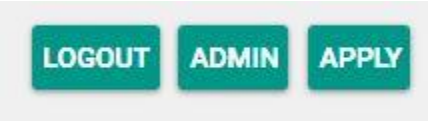

Figure 25. Device Action Buttons

- LOGOUT—Logs out of the currently connected HUBBCOM™ device and displays the discovered devices screen.
- ADMIN—Click the ADMIN button to open a window with additional administrative action buttons:

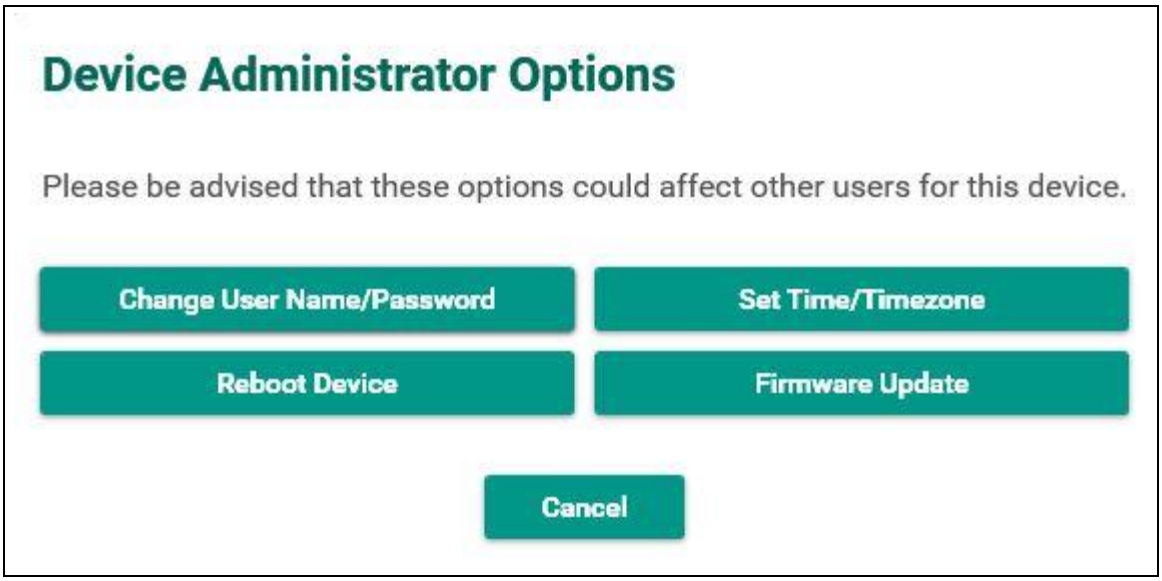

Figure 26. Device Administrator Options

- Change User Name/Password—A dialog box opens to enter the user name and a new password twice.
- Set Time/Time Zone—A dialog box opens with two pull-down list settings; REGION and LOCAL TIME ZONE.
- Reboot Device—Opens a confirmation prompt to reboot the device remotely. Click OK to reboot the device or CANCEL to exit back to the device configuration screens.
- Firmware Update—Opens the following dialog box:

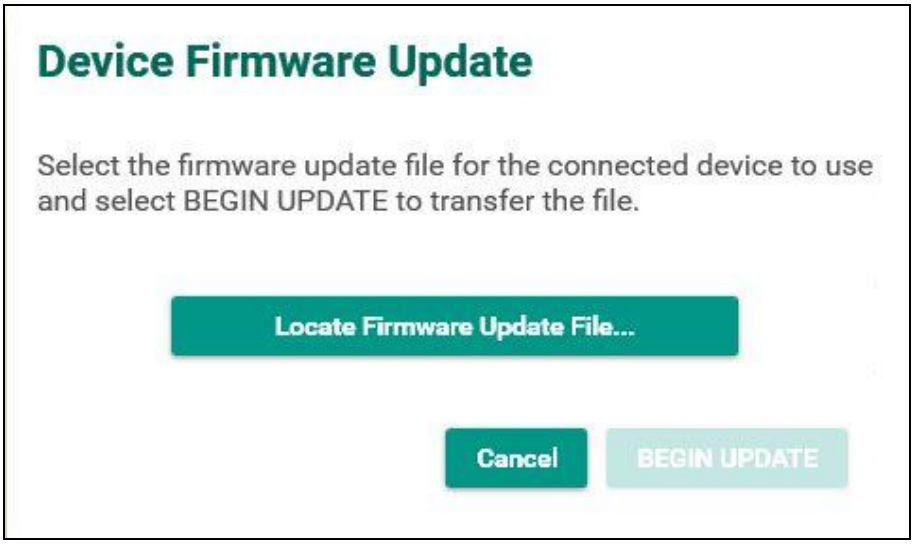

Figure 27. Update Firmware Dialog Box

- Locate Firmware Update File…—Opens a file Open dialog box to search for and open the file containing the firmware update.
- Cancel—Cancel the firmware update and return to the device configuration screens.
- Begin Update—After selecting a file containing the desired firmware update, click this button to update the device.

HUBBCOM™ Status

Click STATUS at the top of the window while logged into a HUBBCOM™ device to obtain the unit's status.

Unit

- Release Version—The firmware release version for the HUBBCOM™ device.
- IP Address—The currently assigned IP address.
- Netmask—The network mask for the subnet that the HUBBCOM™ device is on.
- Default Gateway—The IP address of the router leading to the Internet.
- MAC Address—The hardware MAC (Media Access Control) Address of the HUBBCOM's network adapter
- Audio Stream Packet Received—Total number of audio packets received by this HUBBCOM™ device.
- Audio Stream Lost Packets—The percentage of total packets sent to this HUBBCOM device that were dropped.
- Audio Stream Out of Order Packets—The percentage of packets sent to this HUBBCOM™ device that were received out of order.
- Processor Core Temp—The temperature of the processor core.
- Reboot Needed—Yes/**No**, this statistic shows if changes have been made that are not yet applied because a reboot is necessary to implement the configuration updates.

PoE (Power over Ethernet)

POE Active—Yes/No

POE+—Yes/No

I/O

Input 1—Open/Closed, reports the state of input circuit one.

Input 2—Open/Closed, reports the state of input circuit two.

Output 1—Active/Idle—Provides the state for output one.

Output 2—Active/Idle—Provides the state for output two.

Firmware Versions

The firmware versions with release dates are provide for each software module that runs on the HUBBCOM™ device.