Pub. 42004-485A

GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Elemec3 Portal

User Manual – Version 1.2

TABLE OF CONTENTS

Confidentiality Notice ***1***

Overview ***1***

Installing and Registering the Software ***1***

Installation Requirements **1**

Installation Procedure **1**

Host Computer IP Address ***4***

Running the Portal Application ***4***

Connecting to an *Elemec3* Controller **5**

Elemec Portal Security ***7***

Defining Users **7**
User Levels 7
User Types 7

Editing Users **7**

Administration Utility Screen ***8***

Restart System Button **10**

MSG Button **11**
System Messages 11

Tick Tones Button **12**

Options Button **13**
System 13
Connection Settings 14
Date / Time 14
Sound 14
System Snapshots 14

Manage Users Button **15**
User Management Screen 15
Manage Users Tab 15
Manage Permissions Tab 16

System Snapshots Button **17**
System Snapshots 17
Switch User 18
Disconnect 18

Administration Button **19**
Upload New Configuration 20

Stored Configurations 22
Set as Running Configuration 22
Set As Default Configuration 23
Remove Configuration 23
Download Configuration 24
Software Versions 25

Event Status Button 26
Audio Mix #1, Audio Mix #2 26
Reported Events 27

Fault Status Button 28
Fault Notification Panel 28
System Status LED Indicator on E3 Controller 29
Scope 29
Status Filter 29
Fault Reporting Configuration in *Elemec3* 30

Amplifier Status Button 31
Scope 31
Amplifier Status List 32
Status Filter 32

I/O Status Button 33
Scope 34
Input Status/Output Status 34
Status Filter 34

System Flags Button 35
Scope 35
System Flag Status / User Flag Status 35
Status Filter 35

Pub. 42004-485A

GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Elemec3 Portal

User Manual – Version 1.2

Confidentiality Notice

This manual is provided solely as an operational, installation, and maintenance guide and contains sensitive business and technical information that is confidential and proprietary to GAI-Tronics. GAI-Tronics retains all intellectual property, other rights in or to the information contained herein, and such information may only be used in connection with the operation of your GAI-Tronics product or system. This manual may not be disclosed in any form, in whole or in part, directly or indirectly, to any third party.

Overview

The ***Elemec3*** (E3) Portal application runs on any PC connected to the same Ethernet network as the E3 Controller. This software package is used to upload and download system configuration files to/from the E3 System Controller. The Portal application is not used to make changes to the system configuration. Changes are made using the ***Elemec3*** Console application. Refer to GAI-Tronics Pub. 42004-483 for information on system programming.

The Portal application is also used to monitor system activity and status reporting of E3 system components. System status is displayed in real time. Selection buttons are provided allowing the operator to filter the information by equipment category or event types. Multiple PCs can run the E3 Portal application, providing more than one monitoring location.

NOTE: Only a single instance of the Portal application can be connected to one E3 Controller at a time, and only a single instance of the Portal application can run on one PC at a time. In E3 systems containing redundant controllers, the user must disconnect from Controller "A" before connecting to Controller "B".

Installing and Registering the Software

Installation Requirements

Prior to installing the ***Elemec3*** Portal application, the host computer must have Adobe AIR installed. The software is free, and the newest version can be downloaded and installed from Adobe's internet website, **http://get.adobe.com/air.**

After installing Adobe AIR, the E3 Portal application can be installed as described below.

Installation Procedure

1. Insert the installation CD into the CD drive or insert a USB storage device containing the ***Elemec3*** Portal application installation file.

2. Use Windows Explorer to navigate to the CD or other installation file location and double click on the ***ElemecPortal*** file.

3. When the screen below appears, click the INSTALL button.

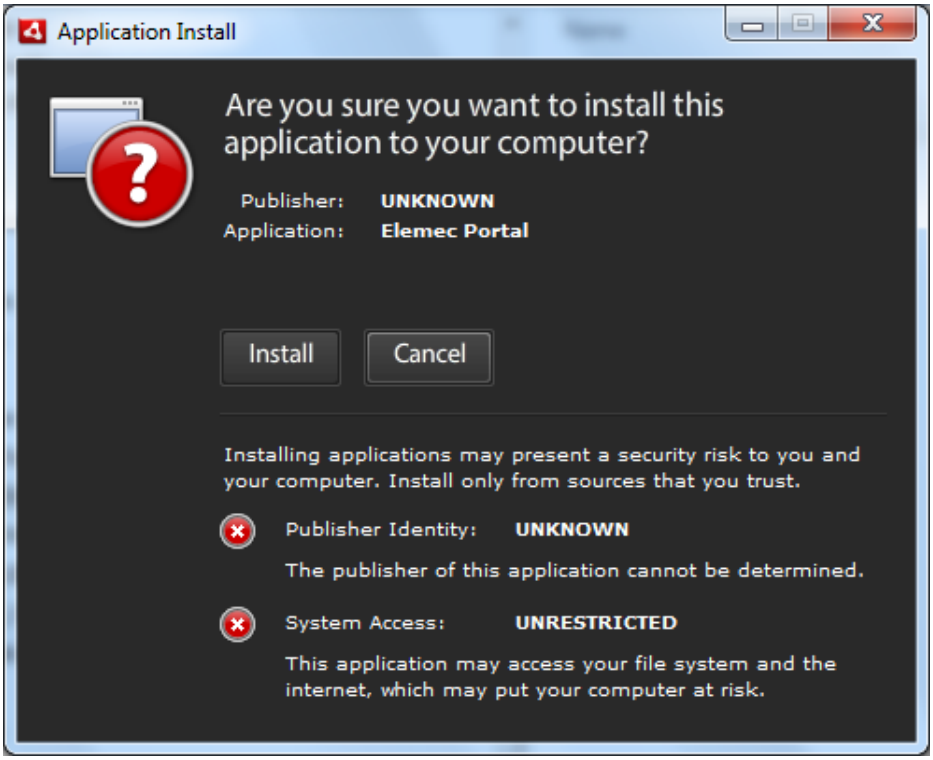

Figure 1.

4. Select the Installation Preferences using the check boxes as shown in Figure 2 and click the CONTINUE button. The default installation location is displayed.

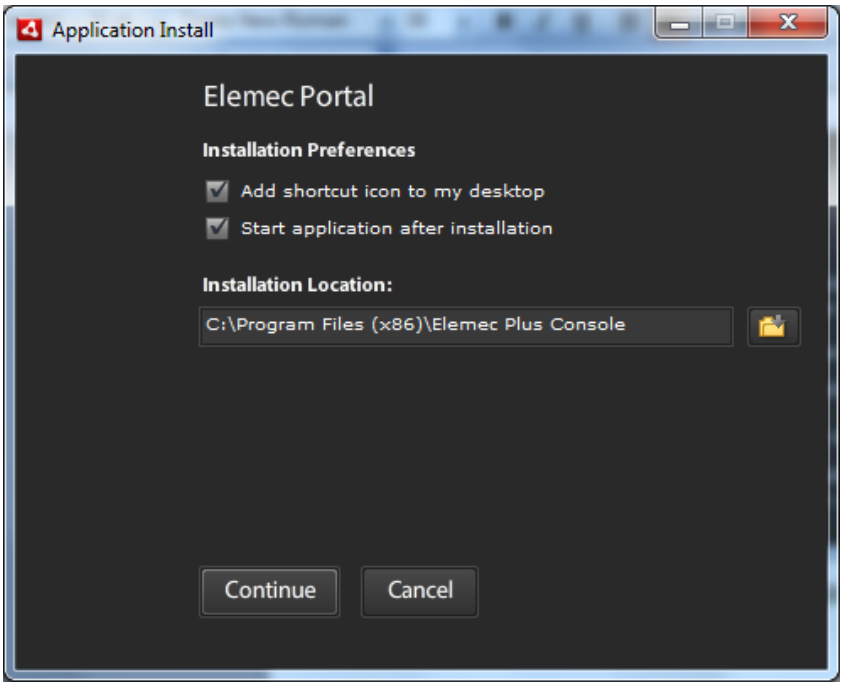

Figure 2.

Click the FINISH button to complete the installation.

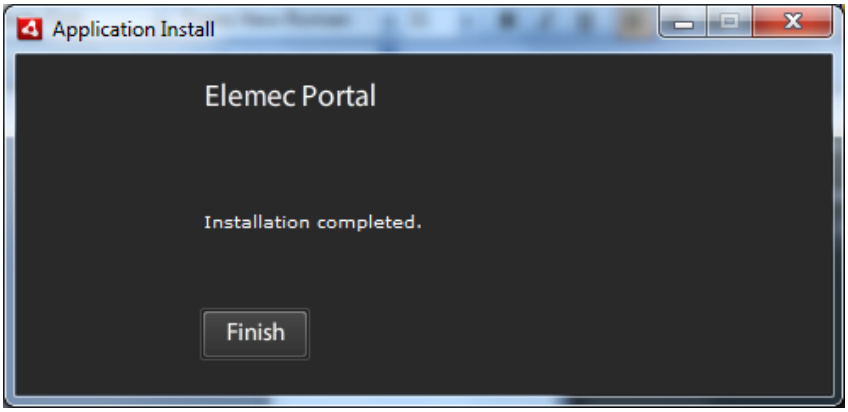

Figure 3.

Host Computer IP Address

By default, the E3 Controller IP address is factory set to the static IP address **192.168.1.25** with a subnet mask of **255.255.255.0.** If A/B redundant controllers are being used in the system, the "A" Controller will have the default IP address of **192.168.1.25**. The "B" Controller will have the default IP address of **192.168.1.26.**

Depending on the network configuration, either static IP or DHCP can be used. If a DNS server is available, connection can be made using the ***Elemec3*** host name.

Consult with your network administrator for proper configuration of the host computer and ***Elemec3*** system(s).

Running the Portal Application

The Administration Utility Welcome screen shown in Figure 4 appears momentarily as the program is starting.

Figure 4. Administration Utility Welcome screen

Connecting to an ***Elemec3*** Controller

The program has an auto-discovery feature that will search for any ***Elemec3*** Controllers on the network. By default, the auto-discovery feature launches automatically when the program is started. The following screen appears during the discovery process. Optionally, the auto-discovery feature can be disabled.

NOTE: The maximum number of simultaneous Portal connections to an E3 controller is 10. If 10 users are connected to an E3 controller, subsequent connection requests will be rejected.

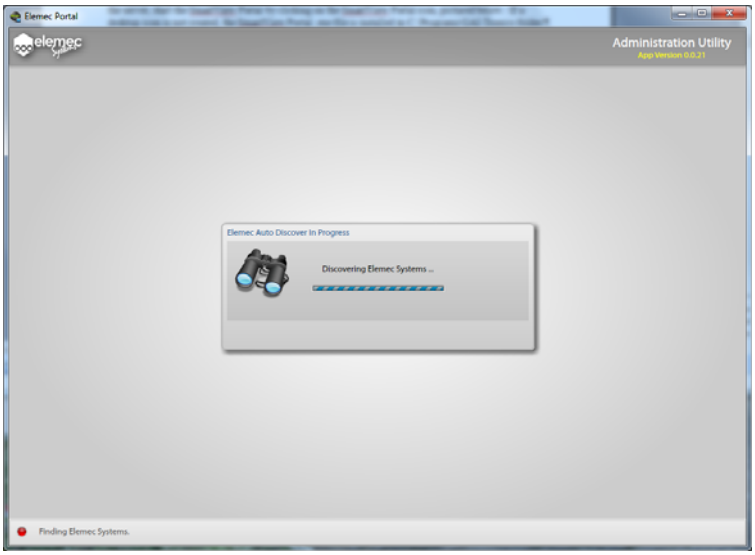

Figure 5. Elemec Auto Discovery in Progress screen

If no E3 controllers (or systems) are found, the Elemec Auto Discover FAILED screen as shown in Figure 6 will appear.

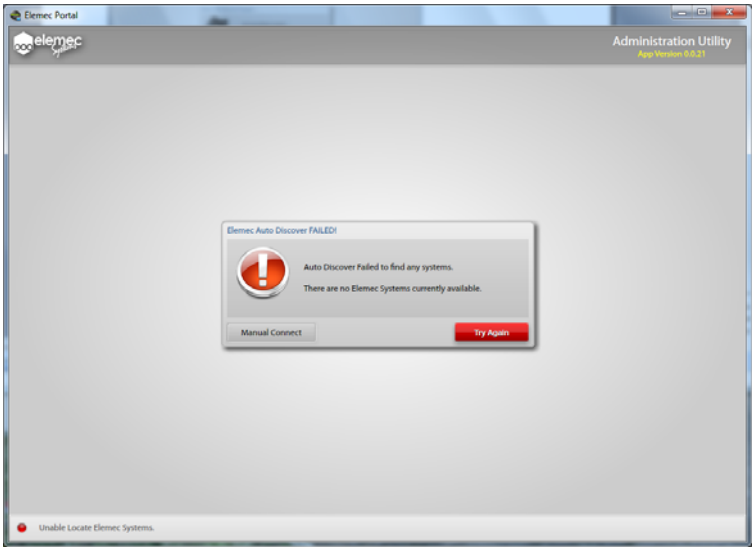

Figure 6. Elemec Auto Discover FAILED screen

To manually connect, click on the MANUAL CONNECT button.

Enter the IP Address/Host Name of the E3 system when the screen shown in Figure 7 below appears, and click the red CONNECT button.

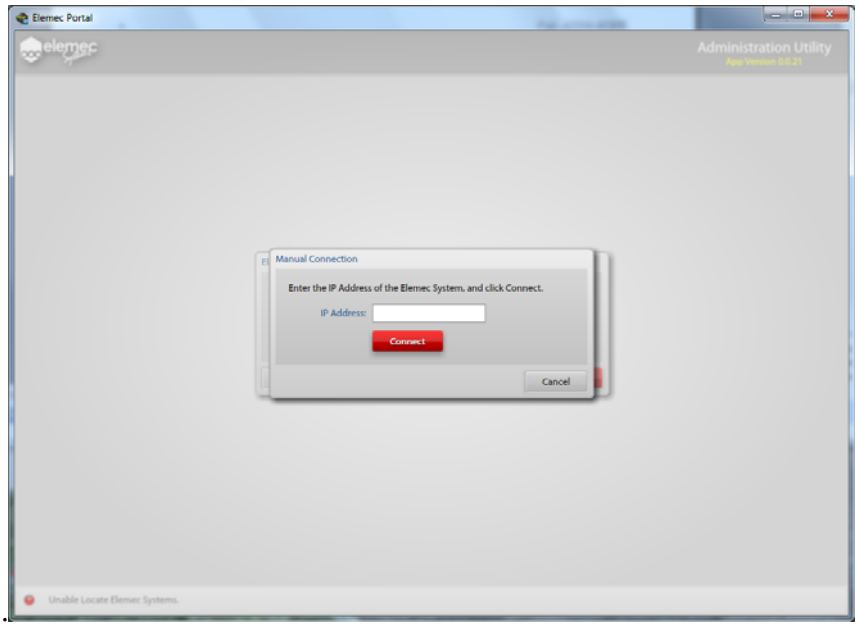

Figure 7. Manual Connection screen

Upon successful auto discovery of E3 systems, the screen shown in the example in Figure 8 appears. Each entry represents a different E3 Controller. The names that appear in the list are the names of the configuration files that are currently running on an E3 Controller.

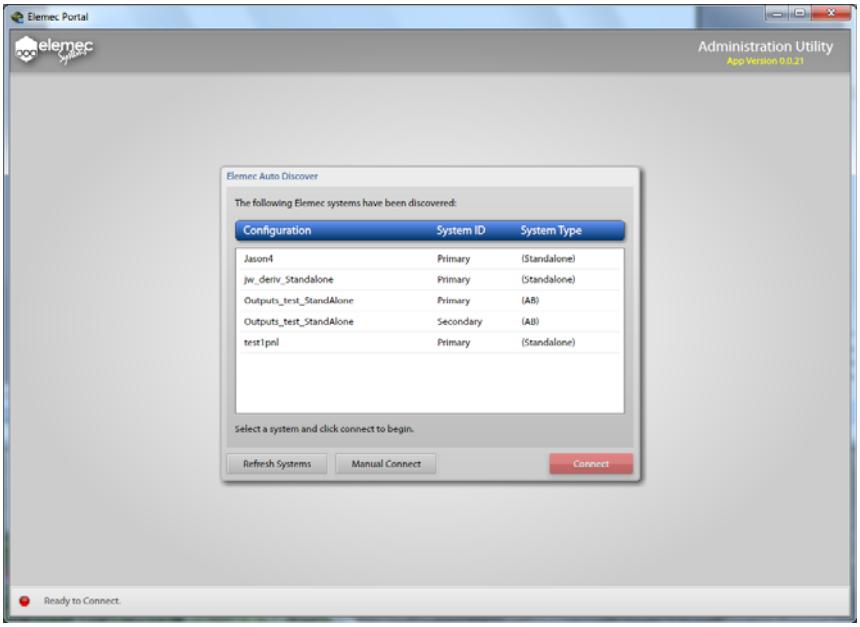

Figure 8. Elemec Auto Discover Screen

Select the desired controller from the list and click the red CONNECT button. The connected system is referred to as the "local" system.

Elemec Portal Security

Access to and functionality of the ***Elemec3*** Portal application is controlled through a system of user logins and security features. After a successful connection to the ***Elemec3*** system, users must enter their username and password to gain access to viewing the system status and performing any type of system maintenance.

On any new system, a default Administrator-level user account is provided on the E3 controller with access to create and configure the system's other user accounts. The initial login is:
Default username: **admin**
Default password: **password**

To maintain the integrity of the E3 controller security, it is highly recommended that this account be removed once all the necessary users have been set up by the on-site administrator.

Refer to the Manage Users screen on page 15 of this manual for more information.

Defining Users

User Levels

The five user levels listed from lowest to highest permission levels are:

- **Guest** (no password required) – view-only access to system status information.
- **Viewer** – Configurable permissions.
- **Operator** – Configurable permissions.
- **Maintenance** – Configurable permissions.
- **Administrator** – Configurable permissions and can configure permissions for other levels (default).

User Types

In addition to the different user levels, there are two user types: Public and Private:

- **Public** – cannot change their password. By default, passwords must be changed by an Administrator. For example, maintenance users can be assigned a common username and password.
- **Private** – can change their password. Private user types are recommended for higher access levels.

There are a few key rules regarding user management:

- Users can only edit permissions below their own user level.
- User levels given permission to edit users can manage user level, access and passwords of any user.
- Private users can change their own password, regardless of user editing permissions.
- Changes to permissions of a user level will log off all connected users at that level.

Editing Users

User permissions are edited through the User Management window shown in Figure 22 on page 15. The current permissions are displayed upon opening. To edit any specific level, click EDIT at the top of the column. Refer to the "Manage Users" section on page 15 for more information.

Administration Utility Screen

Upon connecting to an E3 Controller, the Administration Utility screen appears. An example appears in Figure 9 below. This screen provides the "gateway" access to ***Elecmec3*** system features. Its functionality depends on the level and permissions of the current user. The current user and the user level are always identified at the bottom of the screen. The user can be switched using the SWITCH USER button.

The function of the buttons indicated with "A" through "M" in the example in Figure 9 below are defined in Table 1 and examples of their use are included in this manual.

Figure 9. ***Elemec3*** System Administration Utility screen

Table 1. ***Elecmec3*** System Administration Utility Screen Button Functions & Fault Notification Panel

Notation	Name	Description
A	Messages (MSG) Button	Displays any system messages. System messages are notifications that do not qualify as faults or events. Refer to page 11 for further information.
B	Tick Tones Button	Displays the Tick Tones screen. The Tick Tone is generally used for testing the speakers. See "Tick Tone" section of this manual on page 12 for details.

Notation	Name	Description
	Options Button	Allows the user to select options for: • Network connections to the system • Time and date format • Playing a sound file for fault notification See "Options" section of this manual on page 13 for details.
	Manage Users Button	Displays the Manage Users screen. This button is enabled and disabled based on the permissions assigned to the current user. Refer to page 15 for further information.
	Snapshots Button	Displays the Confirm System Snapshots screen. If the current user has permission, the option to download snapshots is presented. Refer to the "Snapshots Button" section on page 17.
	Restart System Button	Displays the Confirm Restart screen. When restarted, connection to the E3 Controller will be lost. Refer to the "Restart System Button" section on page 10.
	Administration Button	Displays the Elemec System Administration screen. Refer to the "Administration Button" section on page 19.
	Event Status Button	Displays the Event Status screen. See the "Event Status Button" section on page 26.
	Fault Status Button	Displays the Fault Status screen. See "Fault Status Button" section on page 28 of this manual for details.
	Amplifier Status Button	Displays the Amplifier Status screen. See "Amplifier Status Button" section of this manual on page 31 for details.
	I/O Status Button	Displays the I/O Status screen. See "I/O Status Button" section on page 33 of this manual for details.
	System Flags Button	Displays the System Flag screen. See "System Flag Button" section on page 35 of this manual for details.
	Fault Notification Panel	The most recent unacknowledged fault will be displayed in the Fault Notification Panel accompanied by an audible tone. Refer to page 28.

Restart System Button

The RESTART SYSTEM button is always displayed as red.

NOTE: The ability to restart the system is dependent on the user's permission setting.

Figure 10. Restart System button

Clicking the RESTART SYSTEM button displays the Confirm Restart window shown in Figure 11.

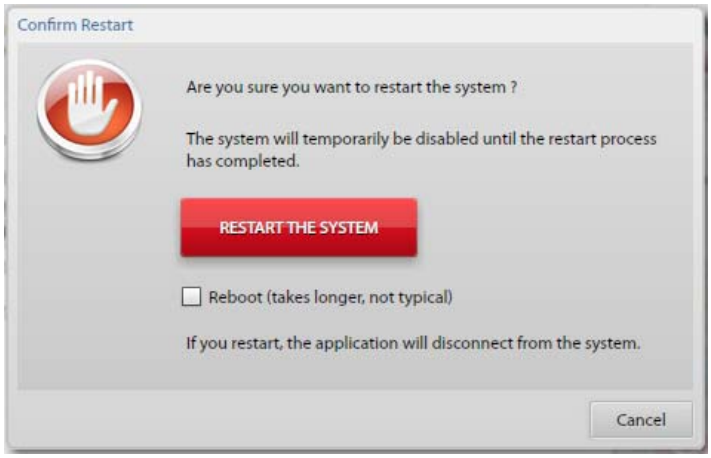

Figure 11. Confirm Restart screen

Restart the System – Click to restart the E3 Controller. RESTART THE SYSTEM only restarts the Elemec processes. When the system is restarted, all users will be logged off.

Reboot Option – When checked, clicking the RESTART THE SYSTEM button will cause an operating system reboot in addition to the Elemec processes.

MSG Button

Click the MSG button to display the System Messages screen as shown in Figure 13. The number in yellow on the button represents the number of unread messages.

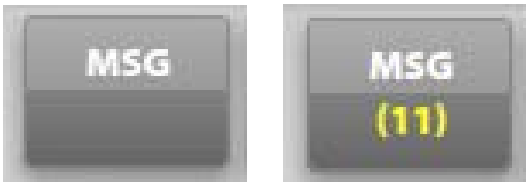

Figure 12. MSG button

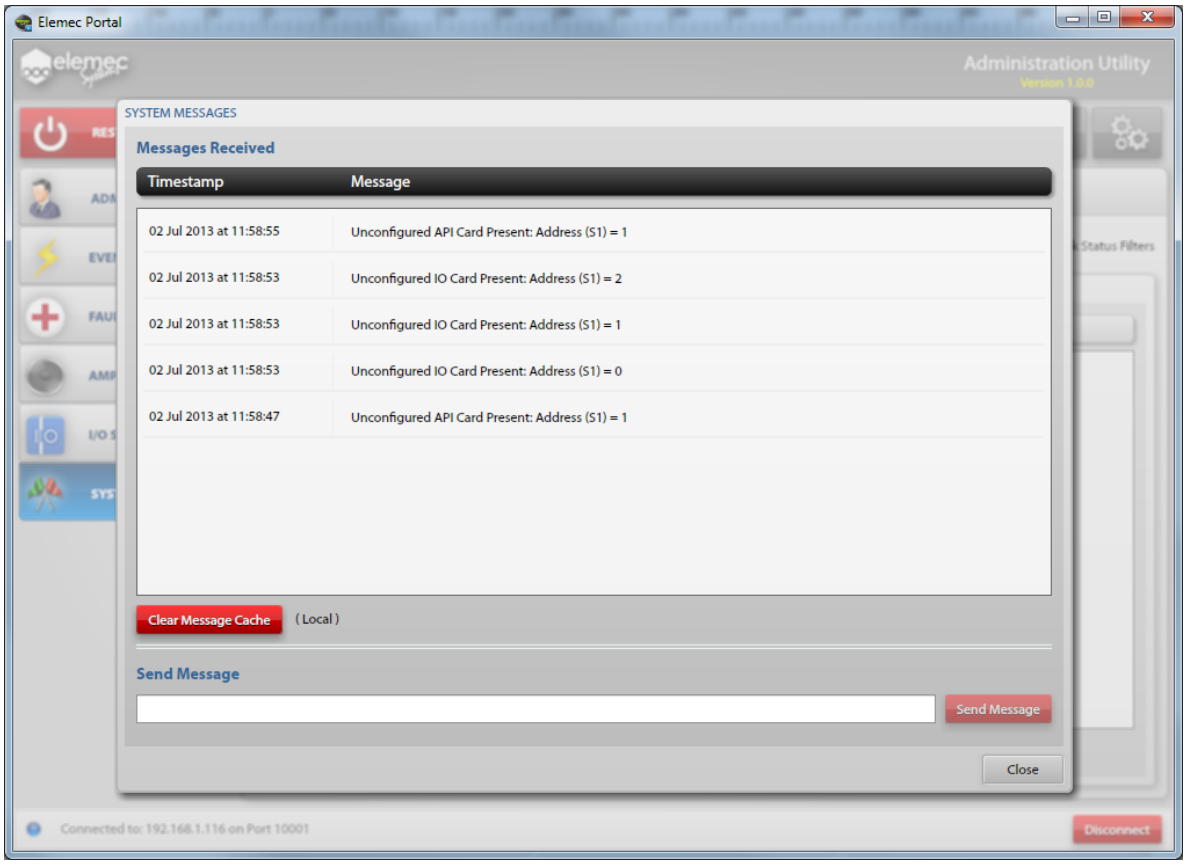

Figure 13. System Messages screen

System Messages

Messages Received – Notifications that do not qualify as an event or a fault. They are time and date-stamped and typically this window displays hardware that is installed but not defined in the system configuration.

Clear Message Cache – Click to remove messages locally. **NOTE:** All messages will be removed upon system startup.

Send Message – A Portal user may send messages to other connected Portal users by typing a message in the Send Message box and clicking the SEND MESSAGE button.

Tick Tones Button

Click the TICK TONES button to display the Send Tick Tone window shown below.

Figure 14. Tick Tones button

The Send Tick Tones window allows you to play the Tick Tone to the selected zone and is generally used for testing the speakers.
NOTE: The Tick Tone is specified using the ***Elemec3*** Console application.

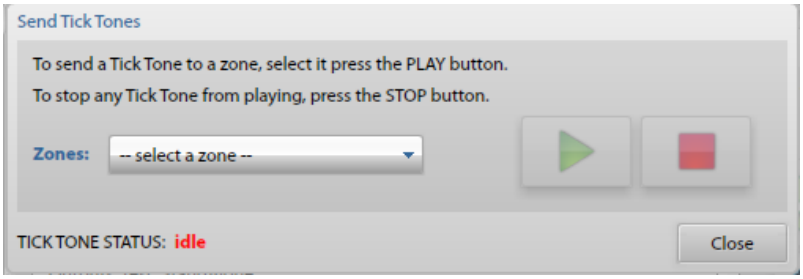

Figure 15. Send Tick Tones screen

Select the zone, using the Zones drop down list.

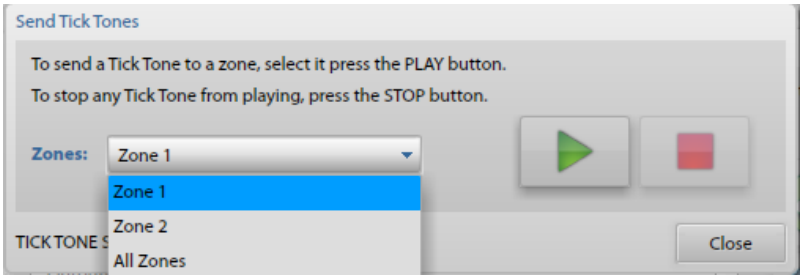

Figure 16. Send Tick Tones Drop Down List

Clicking the green triangular 'Play' button broadcasts the Tick Tone to the selected zone.

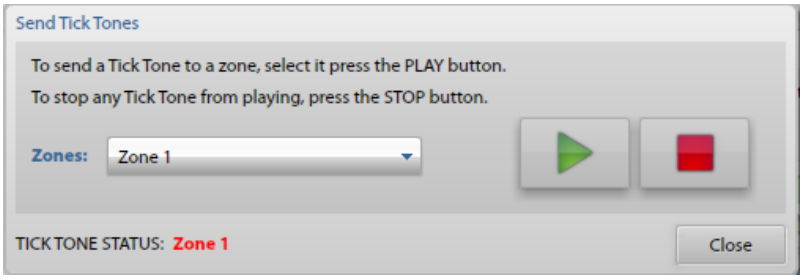

Figure 17. Send Tick Tones – Play and Stop Buttons

Tick Tone Status – the zone is shown in red when the Tick Tone is being broadcast.

Options Button

Click the Options button to display the Options window shown in Figure 19 below.

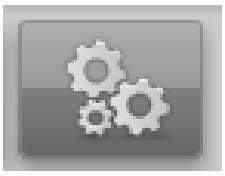

Figure 18. Options button

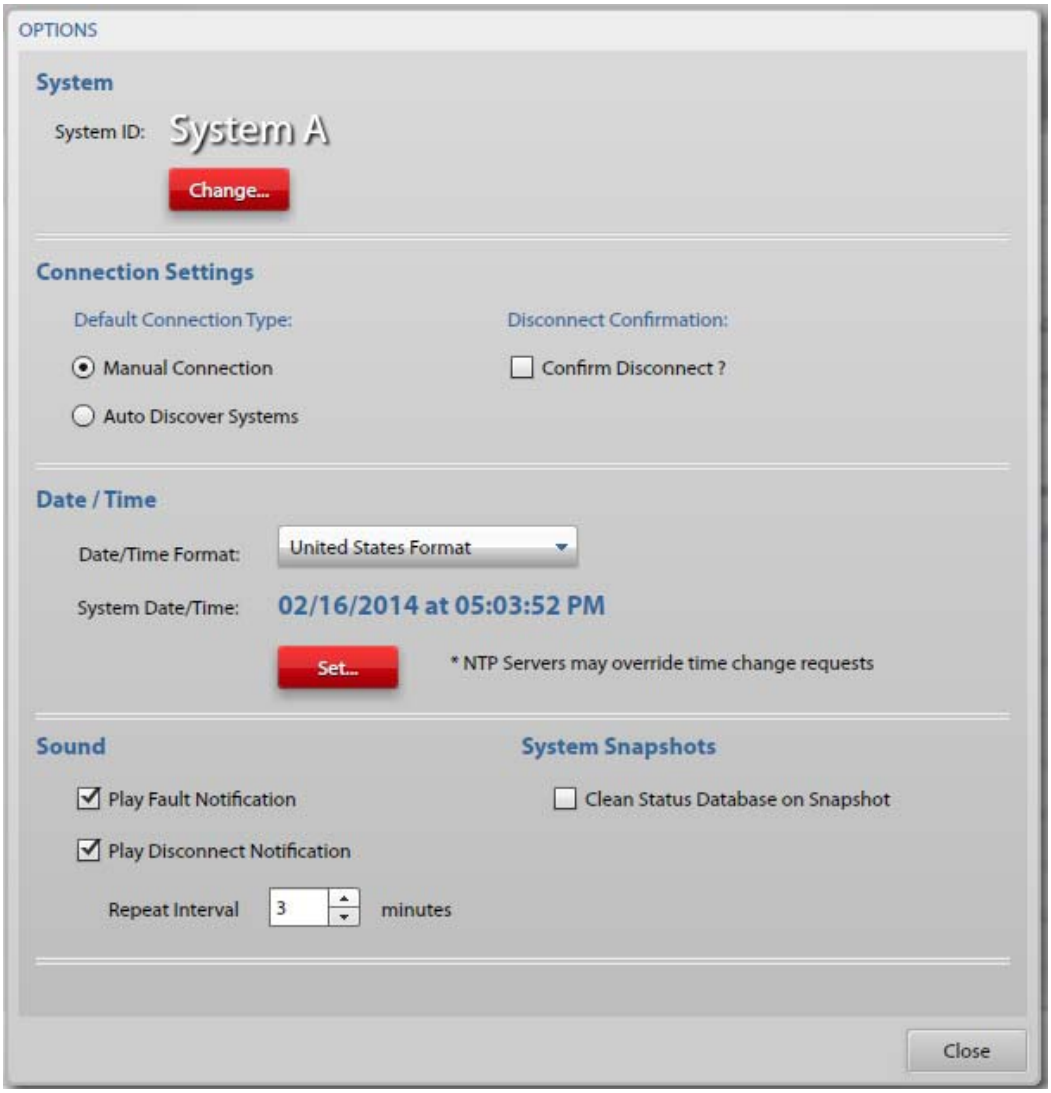

Figure 19. Options screen

System

System ID – Displays the system ID: Standalone, Primary (A), or Secondary (B).

Change – Changes which system is being displayed.

Connection Settings

Default Connection Type

- **Manual Connection** – When selected, the user must enter the IP Address/Host Name of the E3 system.
- **Auto-Discover Systems** – When selected, the user's computer will search for any E3 systems connected to the network.
- **Discover Interval –** Sets the amount of time to wait for a response for each network controller throughout the auto-discover process.

Confirm Disconnect – When checked, confirmation will be required for disconnection.

Date / Time

Date/Time Format – Use drop down box to select U.S. or U.K. time format.

System Date/Time – Displays the current date and time in the current format.

Set – Click the red SET button to view the Set Elemec Controller Date/Time screen. Select the date from the Set Date calendar and the time from the Set Time fields, and then click SET. This is not necessary if an NTP Server is specified in the configuration.

NOTE: The system will automatically restart after setting the Date/Time.

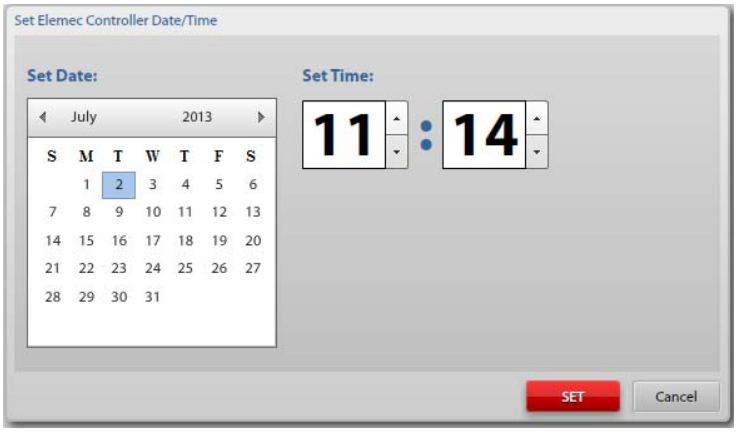

Figure 20. Set Elemec Controller Date/Time screen

Sound

Play Fault Notification – When checked, a notification tone will be played locally when a fault is reported.

Play Desconnect Notification – When selected, a notification tone will be played when the connection to the E3 controller is closed. The tone will continue to repeat at the interval specified by the Repeat Interval. The tone will not play if the user has manually disconnected from the controller by clicking the DISCONNECT button.

Repeat Interval – specifies the interval in minutes that the Fault Notification tone will be repeated.

System Snapshots

Clean Status Database on Snapshot – When checked, the database is cleaned to remove all records that have been previously cleared and/or acknowledged. Each clean operation will create an entry in the Admin Log identifying the initiator by user and IP address.

Manage Users Button

Click MANAGE USERS button on the Administration Utility screen to display the User Management screen shown in Figure 22 below.

Figure 21. Manage Users button

User Management Screen

The User Management screen provides access to both the Manage Users and Manage Permissions tabs.

Manage Users Tab

From the Manage Users tab, select a specific user from the list on the left to view that user's details on the right. The user's type and level may be edited by selecting the EDIT USER button.

To edit the user's password, click the red CHANGE PASSWORD button.

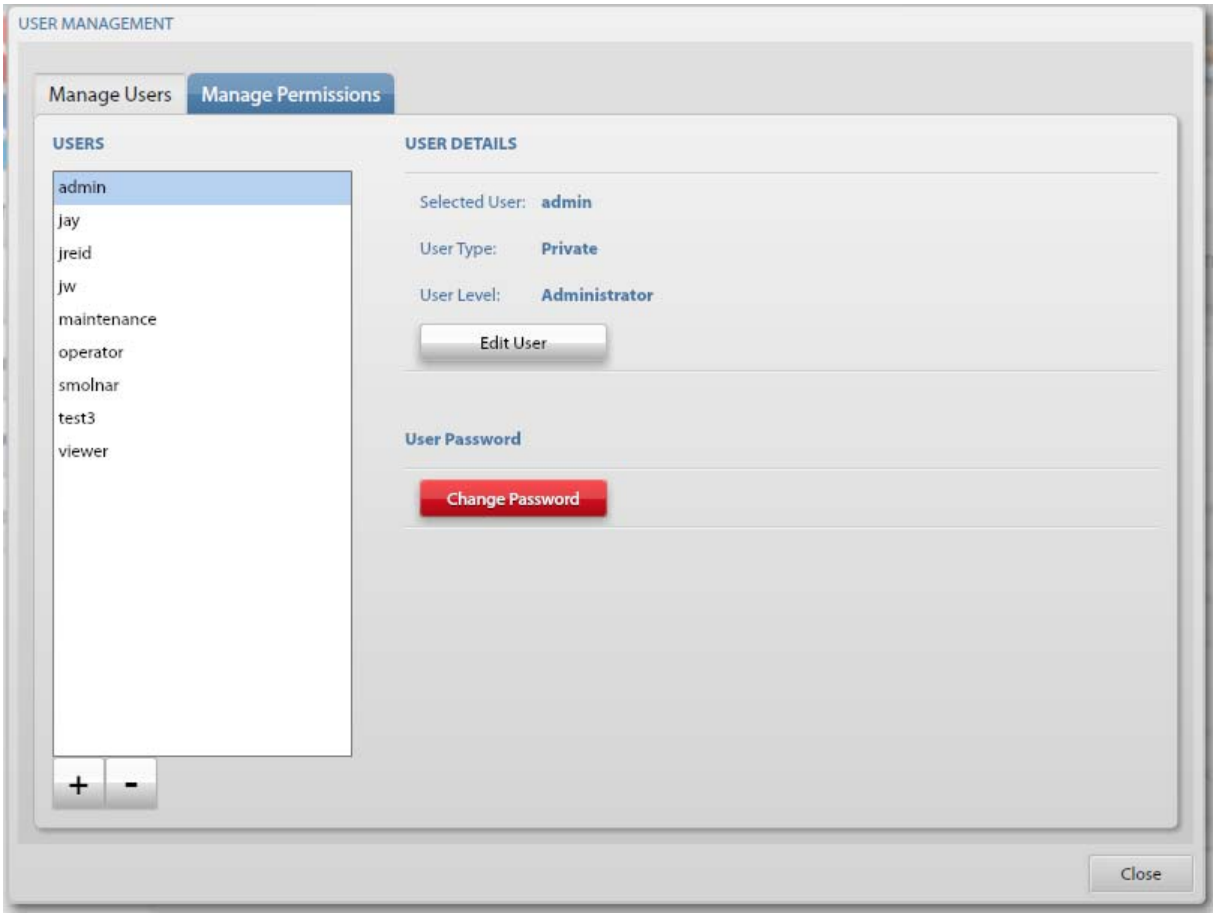

Figure 22. User Management screen (with Manage Users tab selected)

Manage Permissions Tab

From the Manage Permissions tab, click the EDIT button to edit permissions for a specific user level, and check the appropriate permissions.

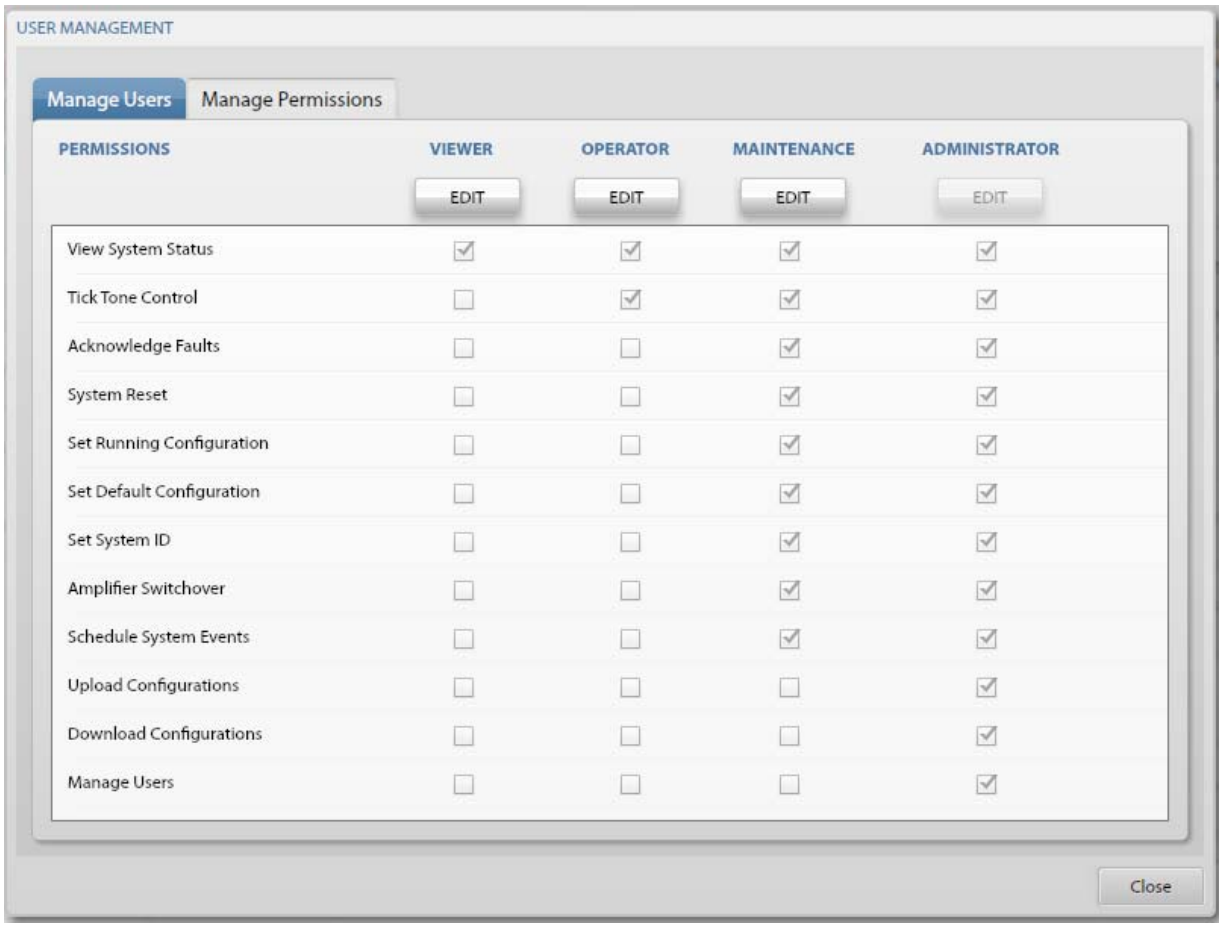

Figure 23. Manage Permissions screen

System Snapshots Button

Click the SYSTEM SNAPSHOTS button to display the Confirm System Snapshot window shown in Figure 25.

Figure 24. System Snapshots button

The SYSTEM SNAPSHOTS button allows a user to download or to view system snapshots saved to the local computer. Only users with permission to download configurations can take a snapshot of the current system.

System Snapshots

A System Snapshot contains the available status at a specific point in time. Additionally, the snapshot includes two log files: the Admin Log and the Sys Log.

Admin Log – The Admin Log contains all information pertaining to user interaction with the system.

Sys Log – The Sys Log contains operating system messages.

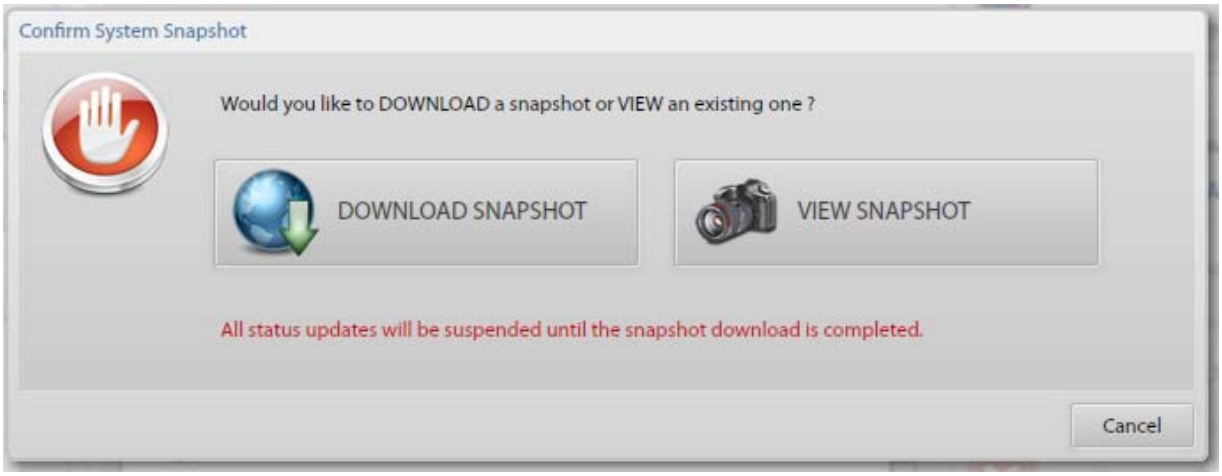

Figure 25. Confirm System Snapshot screen

Download Snapshot – clicking on DOWNLOAD SNAPSHOT provides a listing of logged events at a specific point in time as a documentation or troubleshooting tool. It can be saved to the local computer for future reference.

View Snapshot – clicking on VIEW SNAPSHOT displays an existing Snapshot stored on the local computer.

Switch User

Click the SWITCH USER button, which is always located on the lower right of the Administration Utility screen, to login as a different user without disconnecting from the system.

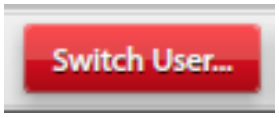

Figure 26. Switch User button

Disconnect

Click the DISCONNECT button, which is always located on the lower right of the Administration Utility screen, to close the network connection to the E3 Controller.

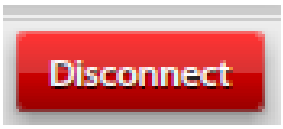

Figure 27. Disconnect button

The Connection Closed screen is displayed.

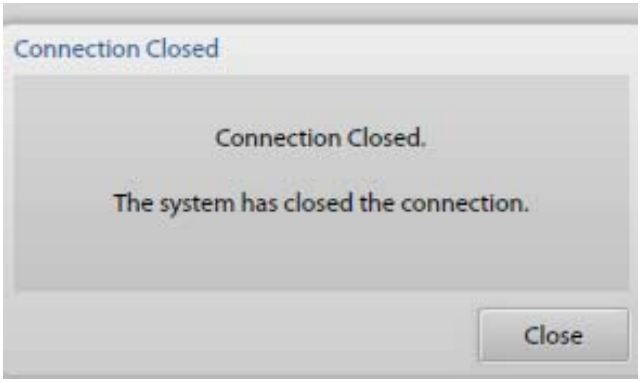

Figure 28. Connection Closed screen

Administration Button

Click the ADMINISTRATION button on the Administration Utility screen to display the Elemec System Administration screen shown in Figure 29. The ADMINISTRATION button turns blue to indicate which screen is currently selected.

This screen displays the choices among the configuration options available if the user has the appropriate permissions. If the user does not have the appropriate permissions, the button is disabled.

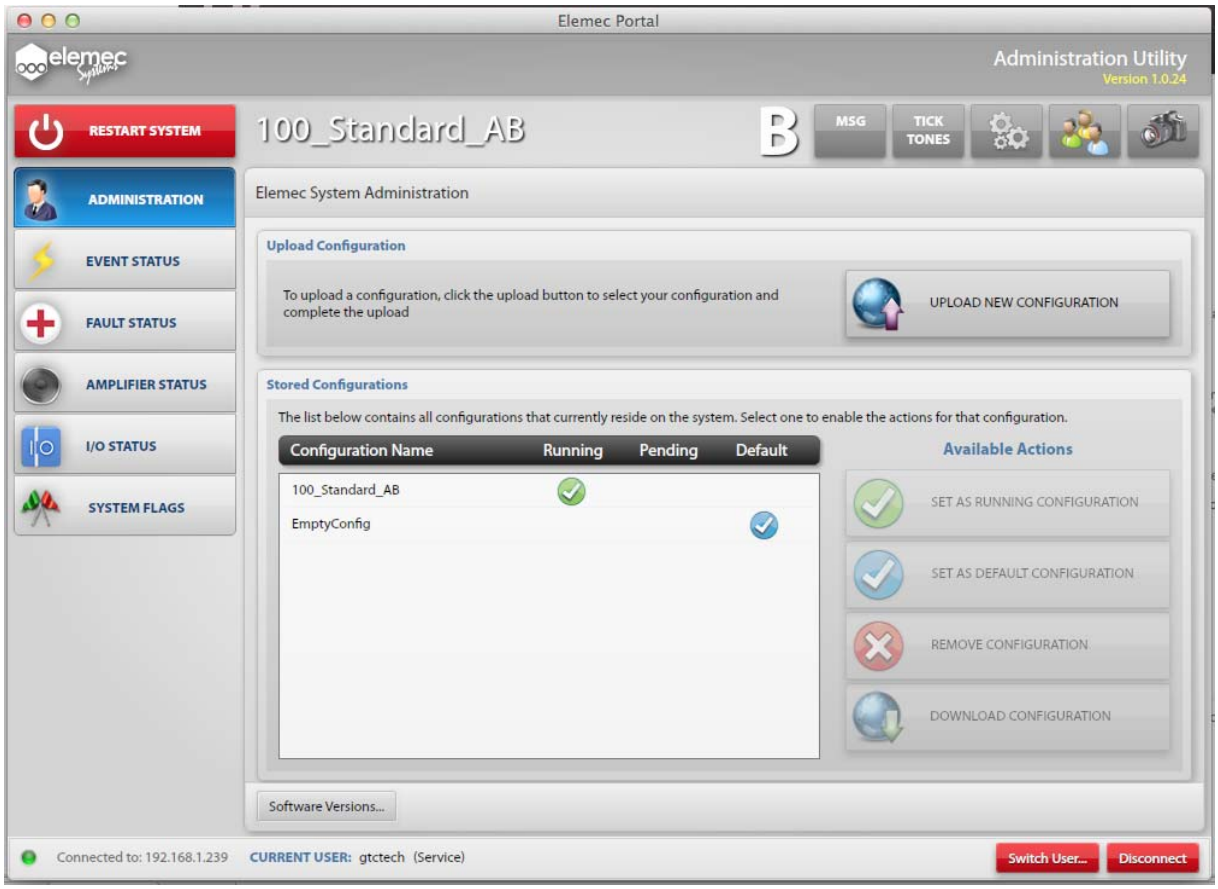

Figure 29. Elemec System Administration screen

Upload New Configuration

Click the UPLOAD NEW CONFIGURATION button to display the Configuration Upload screen shown in Figure 30 below.

Select the location of the configuration to be uploaded.

Upload From:

- **Elemec Bridge** – A storage location on the host computer shared with the ***Elemec3*** Console application.
- **Custom** – Use the BROWSE button to select the folder containing the configuration(s). When selected, only valid configurations will be displayed.

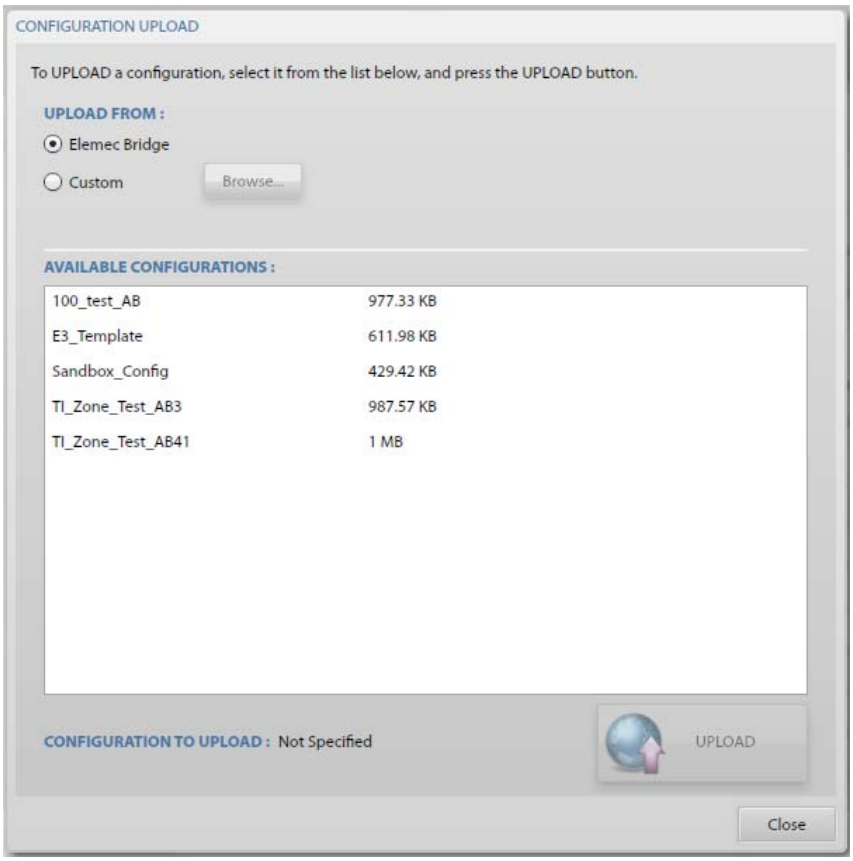

Figure 30. Configuration Upload screen

Select a configuration from the Available Configurations list. When selected, the configuration is identified at the Configuration to Upload field near the bottom of the screen.

Click the UPLOAD button, and the Confirm Configuration Upload screen is displayed as shown in Figure 31.

Click UPLOAD CONFIGURATION to continue. If desired, check the Set as Running Configuration and Restart prior to clicking UPLOAD CONFIGURATION.

Set as Running Configuration and Restart – when checked, the configuration becomes the running configuration and the system is restarted.

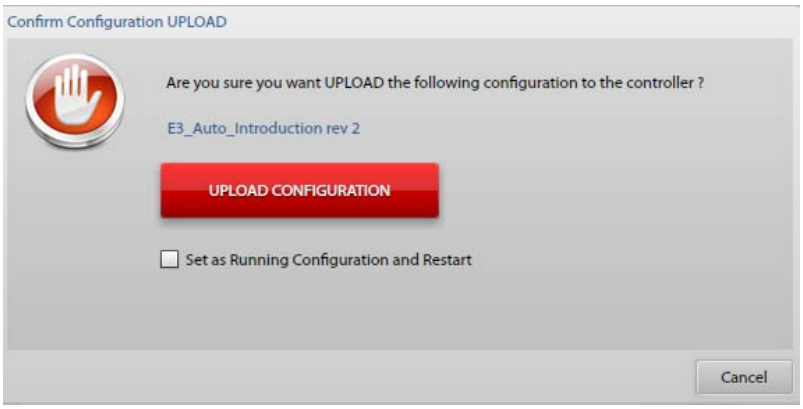

Figure 31. Confirm Configuration Upload screen

Upon successful upload of the configuration file, the screen shown in Figure 32 will be displayed.

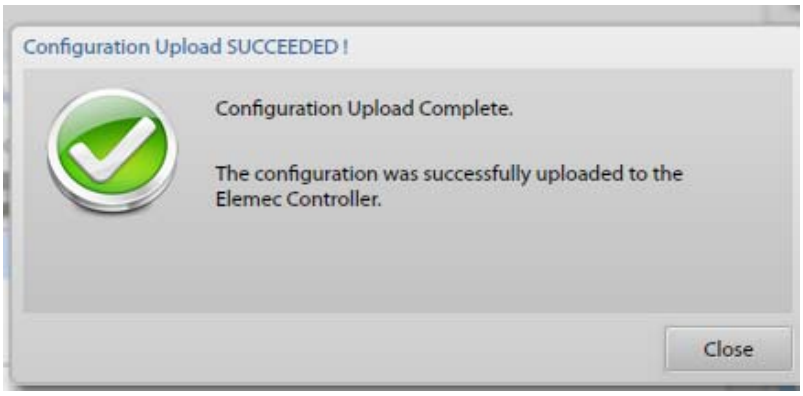

Figure 32. Configuration Upload Succeeded screen

Stored Configurations

The Stored Configurations Panel shown in Figure 33 lists the available configurations stored on the connected E3 Controller. Configurations are created using the ***Elemec3*** Console application.

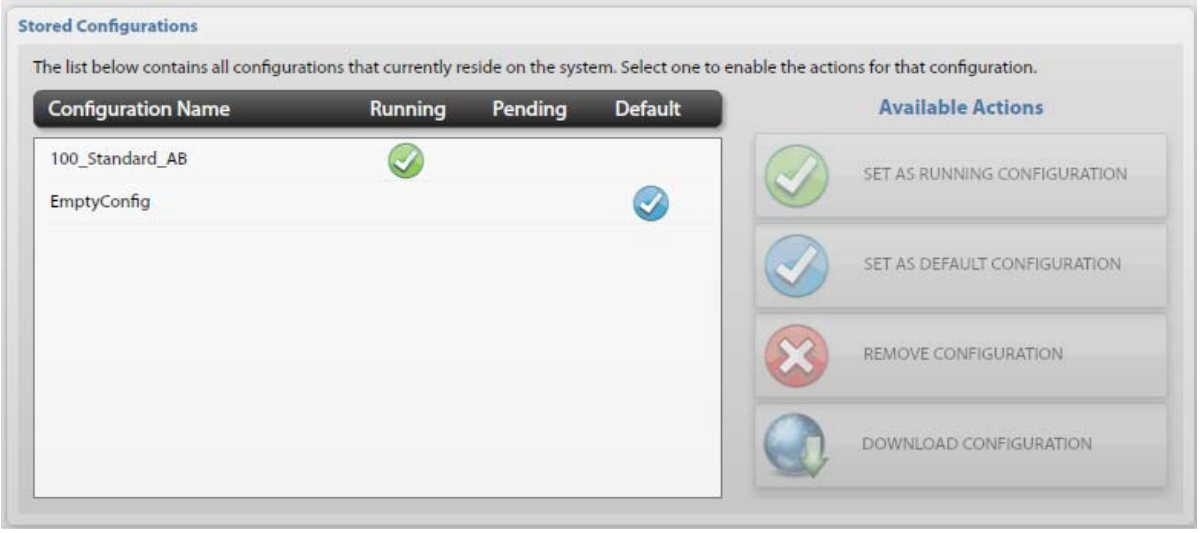

Figure 33. Stored Configurations screen

Running – a checkmark indicates the current running configuration.

Pending – a checkmark indicates a pending change to the running configuration that will take effect upon System Restart.

Default – a checkmark indicates the failsafe configuration should the running configuration become corrupt. The Default configuration is archived on the system to ensure configuration integrity.

Set as Running Configuration

Highlight the desired configuration on the Stored Configurations Panel and click the red SET AS RUNNING CONFIGURATION button. The Confirm Set Running Configuration screen as shown in Figure 34 appears.

Click the SET RUNNING CONFIGURATION button to continue. Until a System Restart, the selected configuration will be shown as "Pending" in the Stored Configurations panel.

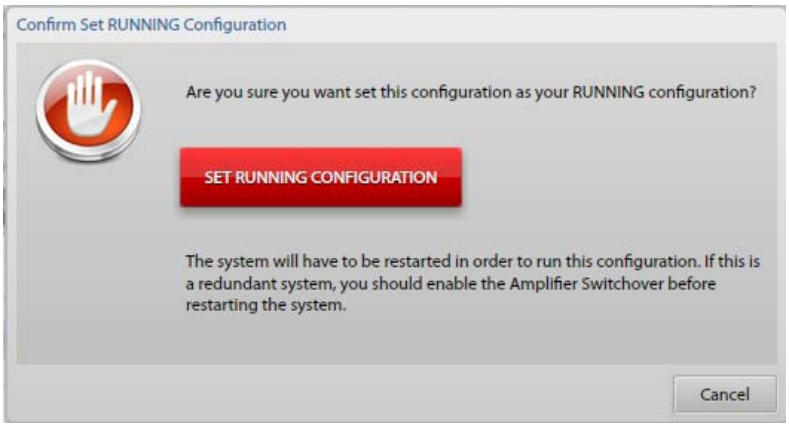

Figure 34. Confirm Set Running Configuration screen

Set As Default Configuration

Highlight the desired configuration on the Stored Configurations panel and click the SET AS DEFAULT button. The Confirm Set Default Configuration window will appear as shown in Figure 35. Click the SET DEFAULT CONFIGURATION button to continue.

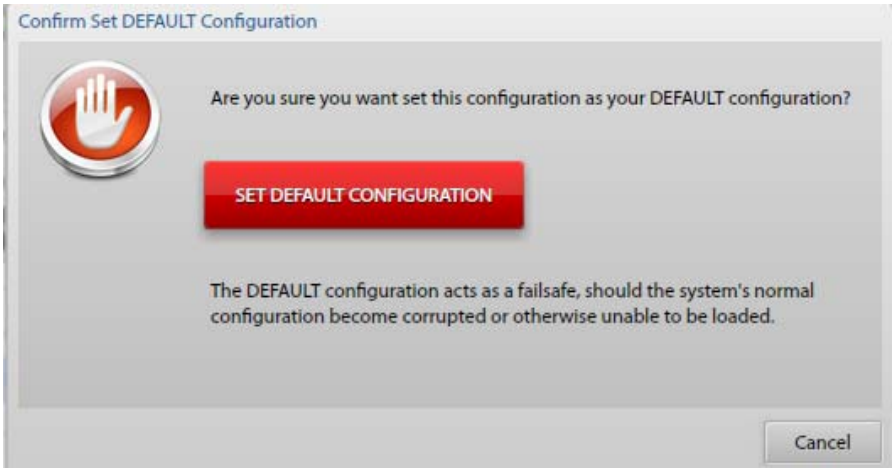

Figure 35. Confirm Set Default Configuration screen

NOTE: It is good practice to set a copy of the running configuration as the default.

Remove Configuration

Highlight the desired configuration on the Stored Configurations Panel and click the REMOVE CONFIGURATION button. The Confirm Configuration Removal screen as shown in Figure 36 will appear. Click the REMOVE CONFIGURATION button to continue.

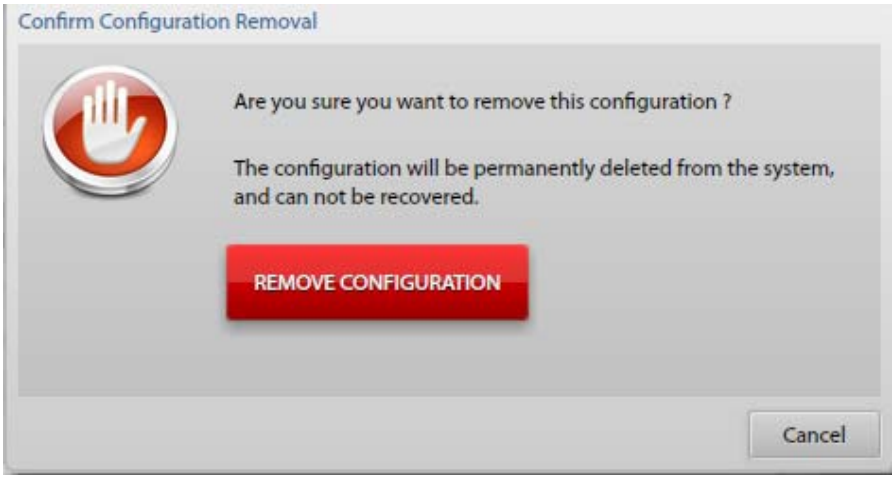

Figure 36. Confirm Configuration Removal screen

Download Configuration

To retrieve a stored configuration from the system controller, highlight the desired configuration from Stored Configurations Panel and click the DOWNLOAD CONFIGURATION button. The Configuration Download window as shown in Figure 37 will appear.

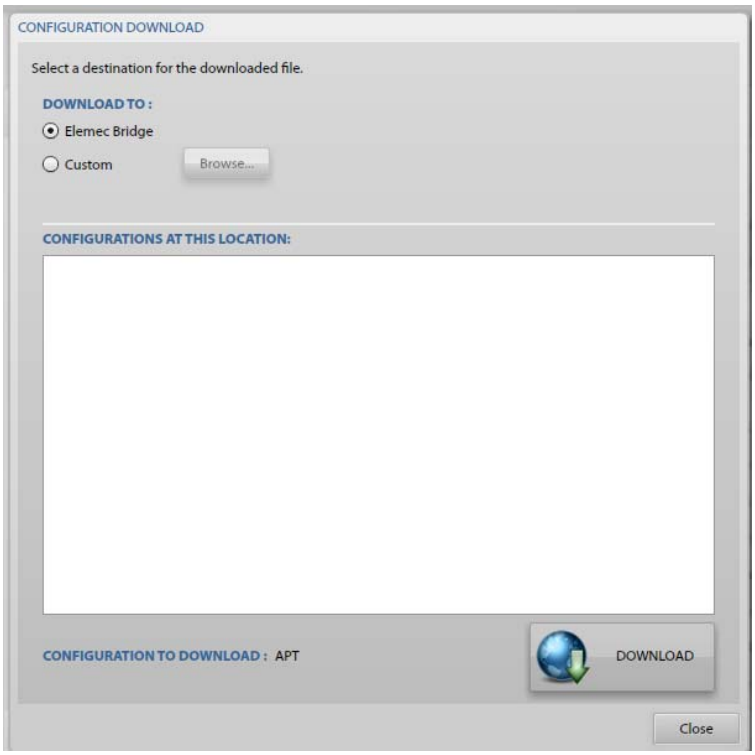

Figure 37. Configuration Download screen

Select the destination for the configuration to be stored.

- **Elemec Bridge** – A storage location on the host computer shared with the ***Elemec3*** Console application.
- **Custom** – Use the BROWSE button to select the destination folder for storing the configuration.

When a destination has been selected, click DOWNLOAD. The Confirm Configuration Download screen as shown in Figure 38 appears. Click the red DOWNLOAD CONFIGURATION button.

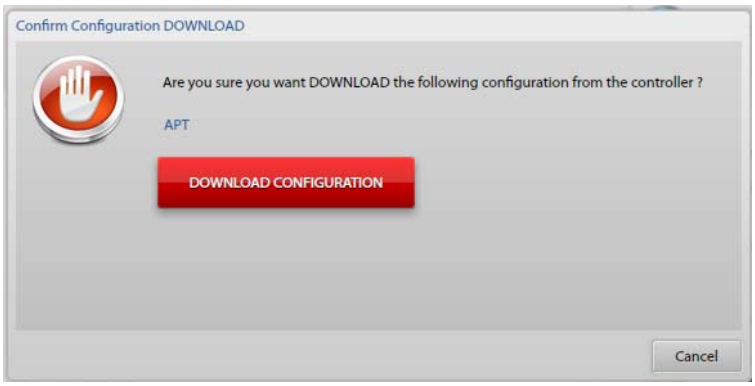

Figure 38. Confirm Configuration Download screen

Software Versions

Clicking the SOFTWARE VERSIONS button displays the System Build Information window as shown in Figure 39. By default, the Software tab is displayed.

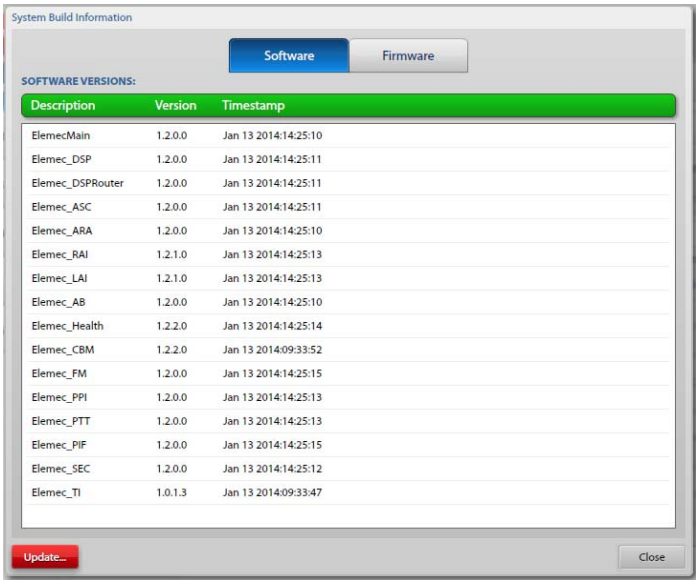

Figure 39. Software Versions tab

Update – For Administrator level users, the UPDATE button provides a way to update system software. Click the red UPDATE button to browse to the specific location of the update file. Any software updates must be provided by GAI-Tronics and they are identified by the description, version and time stamp.

Click the FIRMWARE tab to display the Firmware Versions window.

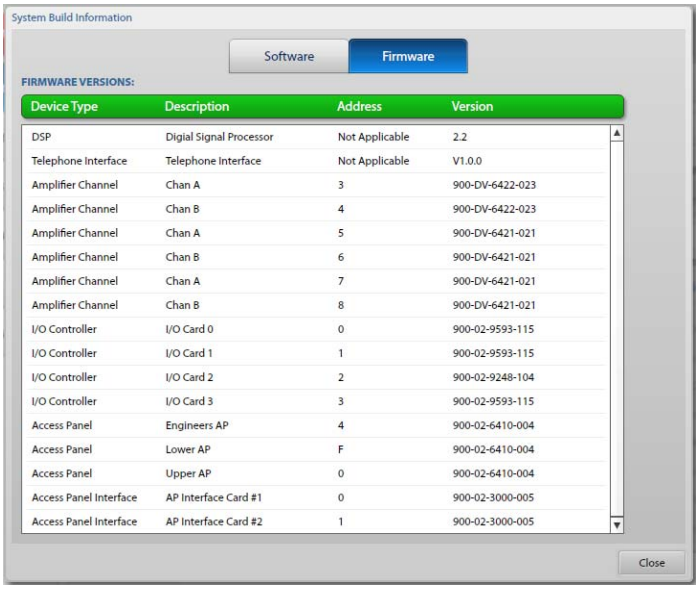

Figure 40.

Each device in the running configuration and its reported firmware version is listed. The Firmware view is for information only.

Event Status Button

Click the EVENT STATUS button on the Administration Utility screen to display the Event Status screen as shown in Figure 41. The button turns blue to indicate which screen is currently being displayed.

This screen displays the active Events in the system. Events are defined during the system configuration process.

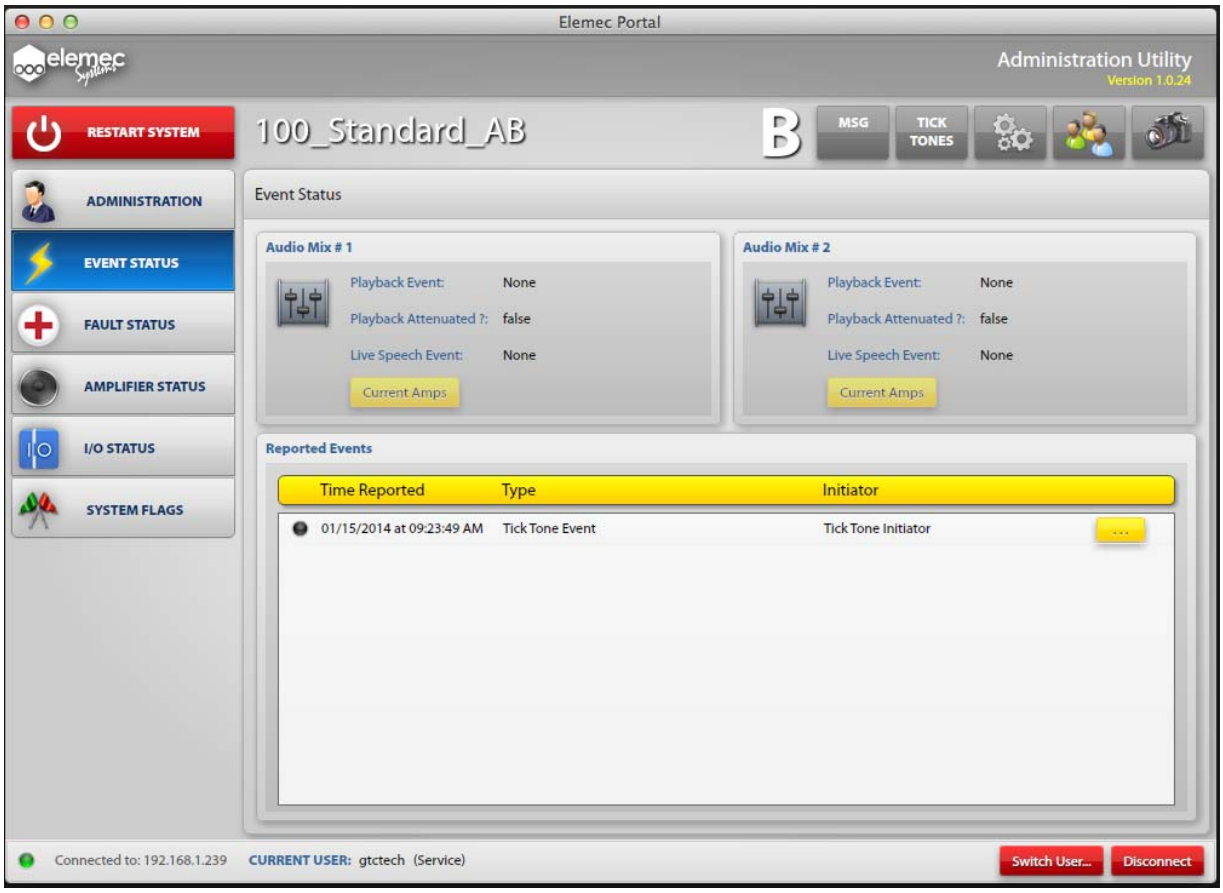

Figure 41. Event Status screen

Audio Mix #1, Audio Mix #2

The system has two audio paths: Audio Mix 1 and Audio Mix 2. When an Audio Mix is in use, the description of the active event(s) is shown.

Playback Event – If present, displays the description of the Playback Event as defined in the system configuration.

Playback Attenuated? – When True, playback audio for this Audio Mix is attenuated.

Live Speech Event – If present, displays the description of the Live Speech Event as defined in the system configuration.

Current Amps – Click the CURRENT AMPS button to display which amplifiers are receiving audio from this Audio Mix.

Reported Events

Reported Events section lists active events in the system. Clicking the Details button (shown as "**…**") for a specific event displays the Event Details screen associated with that event with the available information. An example showing a Tick Tone Event is shown in Figure 42.

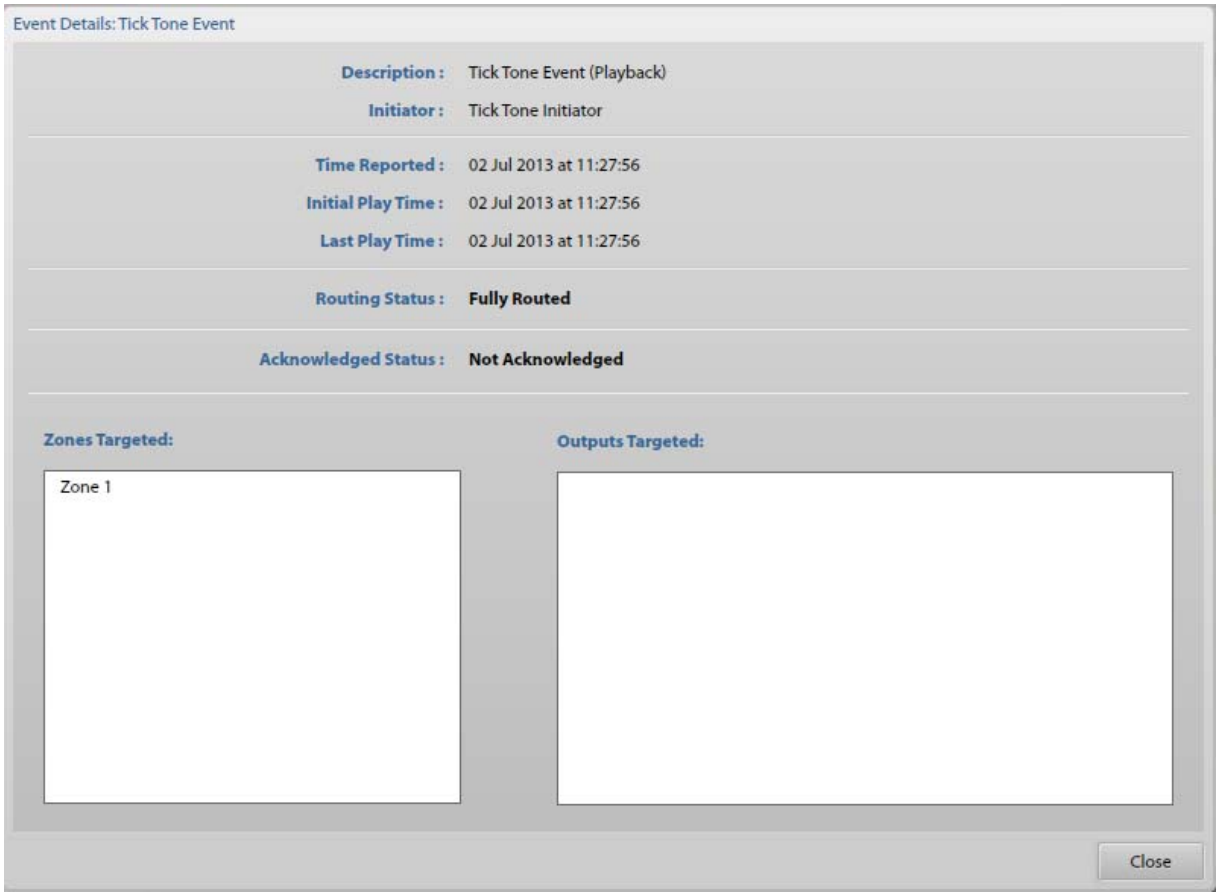

Figure 42. Event Details screen (example of a Tick Tone Event)

Description – is the description of the Event Type as entered in the ***Elemec3*** Console configuration.

Initiator – is the description of what triggered the Event.

Routing Status – indicates whether the audio is fully routed, partially routed, or not routed at all due to audio resource allocation.

Acknowledged Status – indicated whether the event has been acknowledged.

Zones Targeted – lists the intended zones for the event regardless of audio resource availability.

Outputs Targeted – lists the configured output activations for the event. Zone aware outputs listed may not be active.

Fault Status Button

Click the FAULT STATUS button to display the System Fault Status screen as shown in Figure 43. The button turns blue to indicate which screen is currently being displayed.

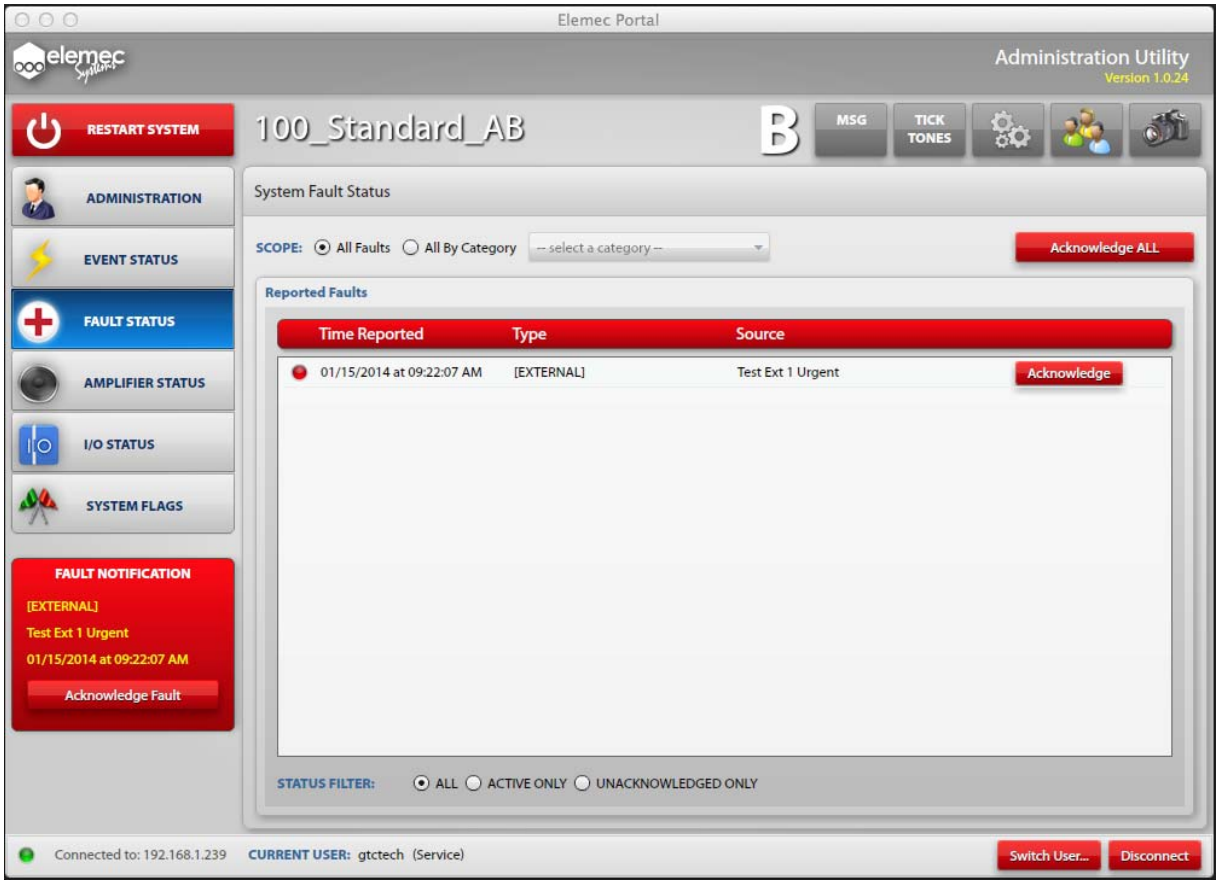

Figure 43. System Fault Status screen

Two types of faults will be reported: Normal and Urgent.

- **Urgent** faults require acknowledgement. They will remain in the list until the fault is cleared and acknowledged.
- **Normal** faults do not require user acknowledgement and will be removed from the list when the fault is cleared.

Fault Notification Panel

The Fault Notification Panel is located on the lower left side of the Administration Utility screen and is shown in Figure 43 above. The panel will appear when a fault occurs and will display the most recent unacknowledged fault on any system screen. It contains an ACKNOWLEDGE FAULT button.

System Status LED Indicator on E3 Controller

The System Status LED indicator on the E3 Controller has four states indicating fault status.

- **Green** – indicates there are no active faults in the system.
- **Orange** – indicates there are active Normal faults and no active Urgent faults.
- **Flashing Red** – indicates all active Urgent faults have been acknowledged.
- **Red** – indicates there are unacknowledged Urgent faults in the system.

Scope

All Faults – selects all System Faults.

All By Category – when selected, presents a drop down box as shown in Figure 44 that allows the user to filter the events by category**.**

Acknowledge All – Click the ACKNOWLEDGE ALL button to acknowledge all the faults being displayed.

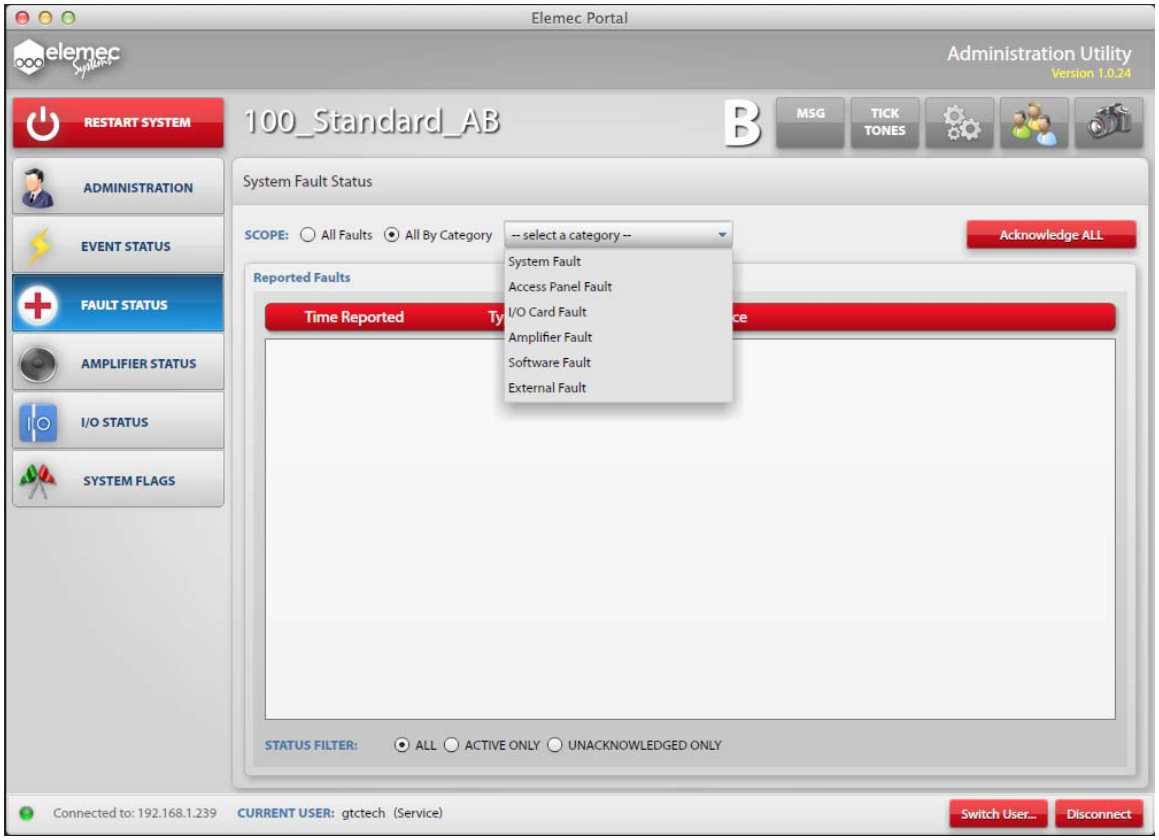

Figure 44. System Fault Status screen showing Scope Category Filter drop down box

Status Filter

In addition to the Scope filter, faults can be filtered by the Status Filter:

All – displays all Faults (active, acknowledged and unacknowledged) in the system.

Active Only – are Faults that have not been cleared from the system.

Unacknowledged Only – are active Faults that have not yet been acknowledged.

Fault Reporting Configuration in *Elemec3*

Shown below are the different Fault Categories and types as defined in the ***Elemec3*** Console application:

- System Fault
- Access Panel Fault
- I/O Card Fault
- Amplifier Fault
- Software Fault
- External Fault

The Fault Reporting Configuration screen shown in Figure 45 is from the ***Elemec3*** Console and displays the possible Fault Categories: **NOTE:** This screen is not available through the ***Elemec3*** Portal application.

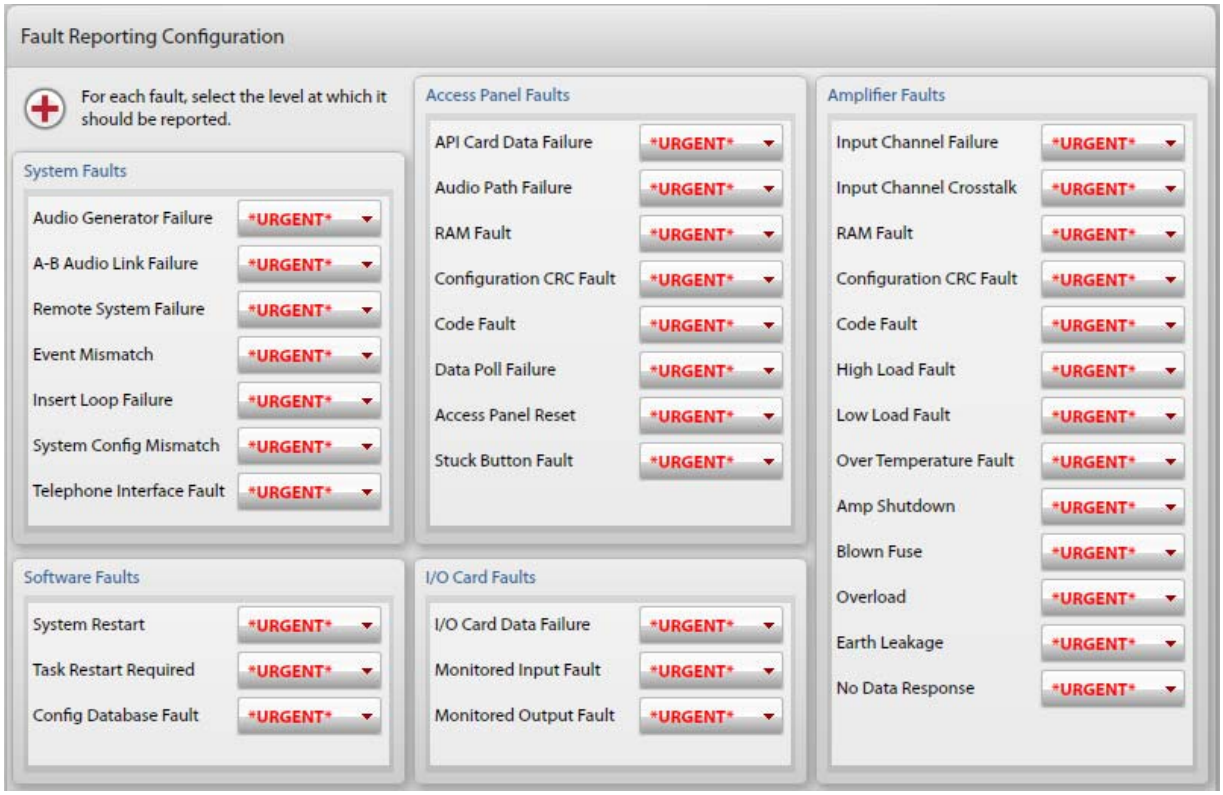

Figure 45. Fault Reporting Configuration screen (from ***Elemec3*** Console software)

Amplifier Status Button

Click the AMPLIFIER STATUS button to display the System Amplifier Status screen as shown in Figure 46. The button turns blue to indicate which screen is currently being displayed.

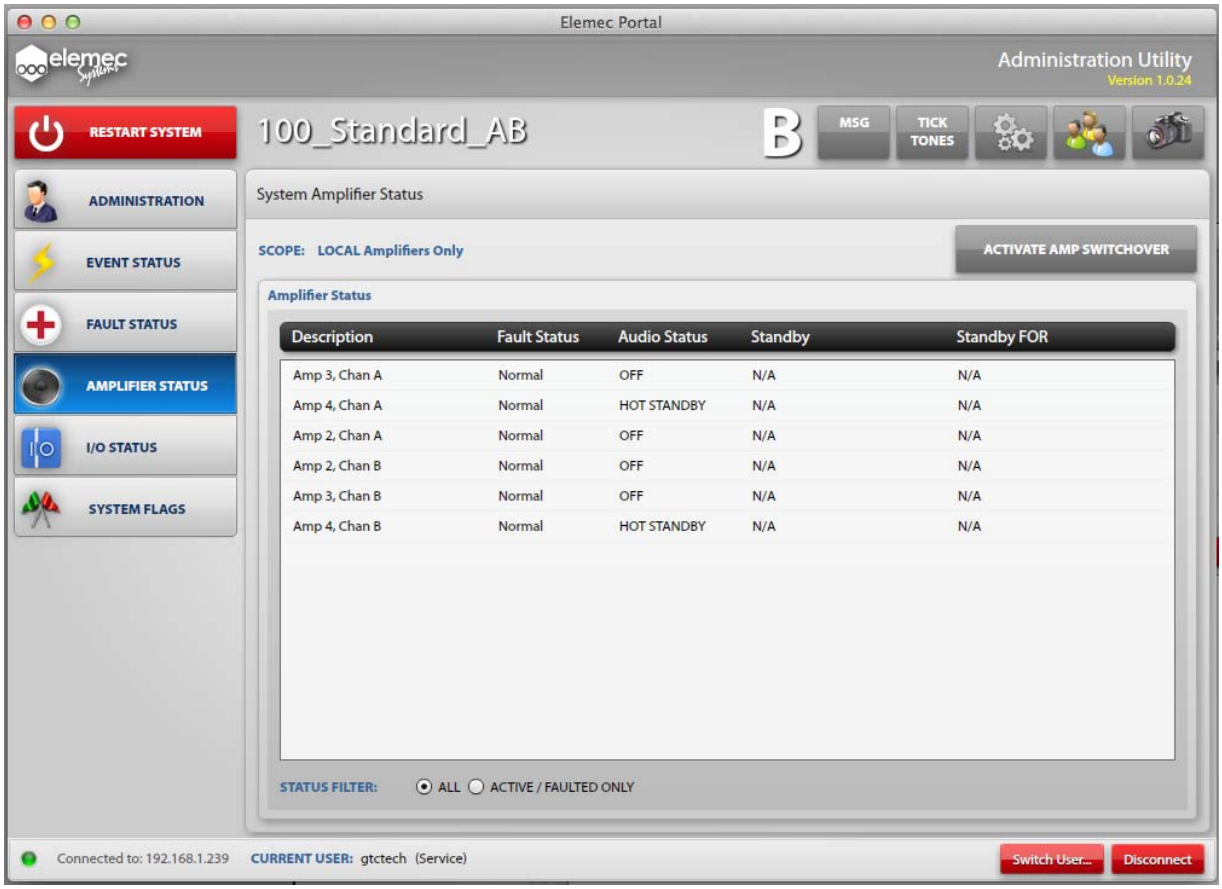

Figure 46. System Amplifier Status screen

Scope

Displays the amplifiers currently controlled by the local system.

- LOCAL Amplifiers Only
- LOCAL and REMOTE Amplifiers – In an A/B system, local system is controlling all amplifiers.
- NONE (Remote System Control) – In an A/B system, remote system is controlling all amplifiers.

Activate Amp Switchover – Click ACTIVATE AMP SWITCHOVER button to transfer control of local amplifiers to the remote system. When the local system is in control of all amplifiers, the ACTIVATE AMP SWITCHOVER button is disabled.

Deactivate Amp Switchover – Click DEACTIVATE AMP SWITCHOVER to return control of local amplifiers to the local system.

Amplifier Status List

The Amplifier Status list displays each amplifier and its current operating condition. Remote amplifiers will be designated by the [R] prefix.

Fault status – indicates Normal or Faulted status.

Audio Status:

OFF – indicates amplifier is idle.

MIX 1/MIX 2 – indicates amplifier active audio source.

HOT STANDBY – indicates designation as a Hot Standby Amplifier.

Standby – if the amplifier channel is faulted, the configured Hot Standby amplifier description is displayed.

Standby FOR – If a Hot Standby amplifier is currently in use, the description of the faulted amplifier channel is displayed.

Status Filter

All – Displays all amplifiers.

Active/Faulted – Amplifiers can be filtered to display active/faulted only.

I/O Status Button

Click I/O STATUS button to display the System I/O Status screen as shown in Figure 47. The button turns blue to indicate the screen currently being displayed.

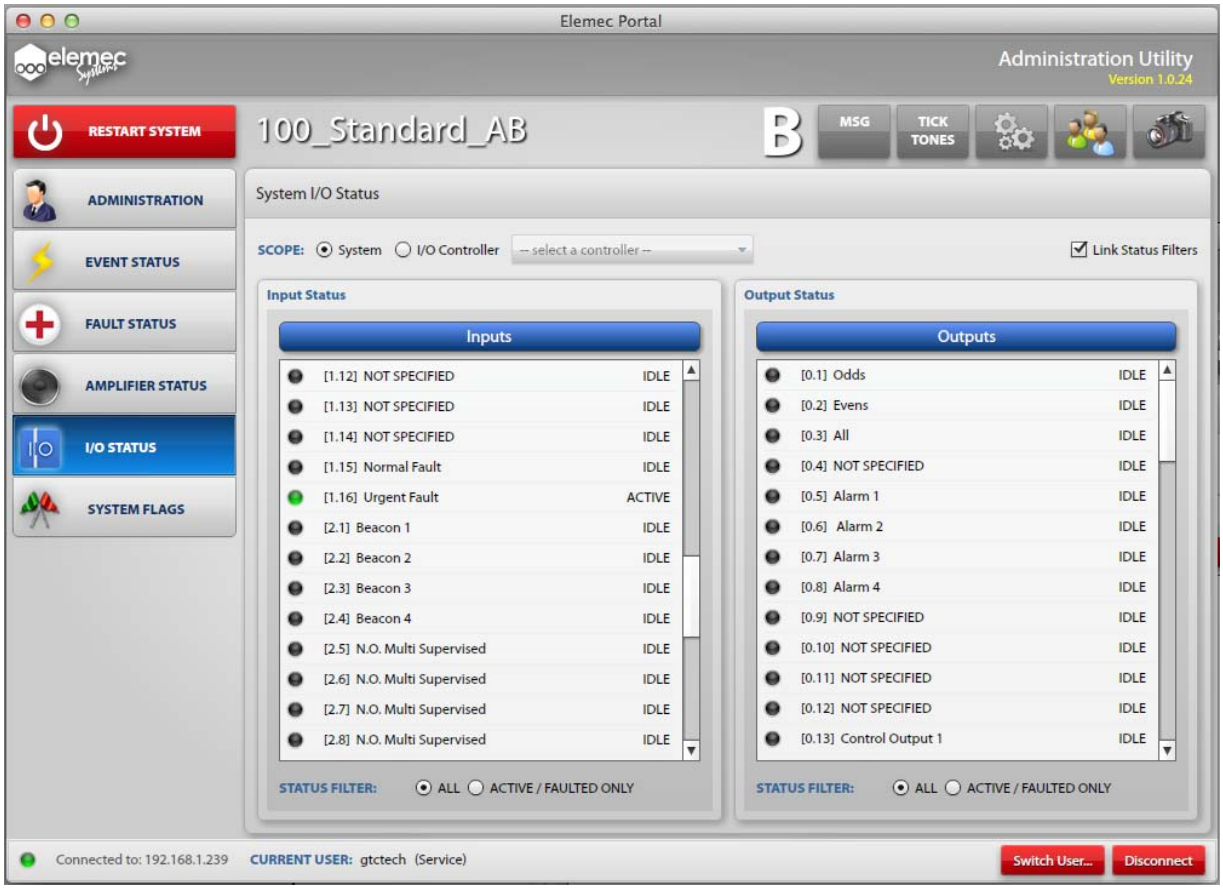

Figure 47. System I/O Status screen

Scope

To filter the displayed I/O points, select I/O Controller**.**

Link Status Filters – When checked, the Status Filter selection applies to both the Inputs and Outputs panels.

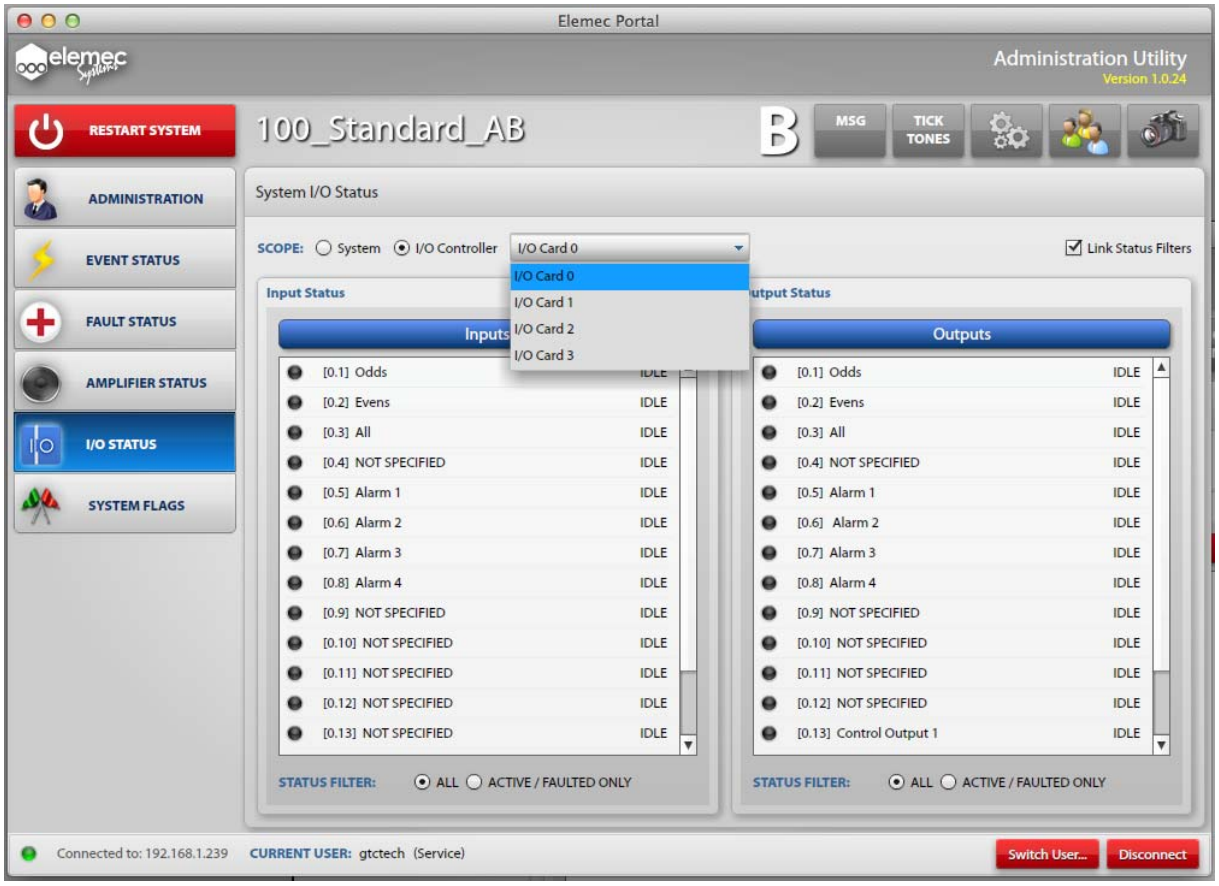

Figure 48. System I/O Status screen (showing the I/O Controller selection drop down box)

Input Status/Output Status

System Input and Output Status panels display each I/O point in the selected scope and its current state:

- ACTIVE
- IDLE
- FAULTED
- INHIBITED

Status Filter

A Status Filter is available on both the Input and Output Status panels.

All – shows all Inputs/Outputs

Active/Faulted Only – Either panel can be filtered to show only the input or output points that are active/faulted.

System Flags Button

Click the SYSTEM FLAGS button to display the Logic Flag Status screen as shown in Figure 49. The button turns blue to indicate which screen is currently being displayed.

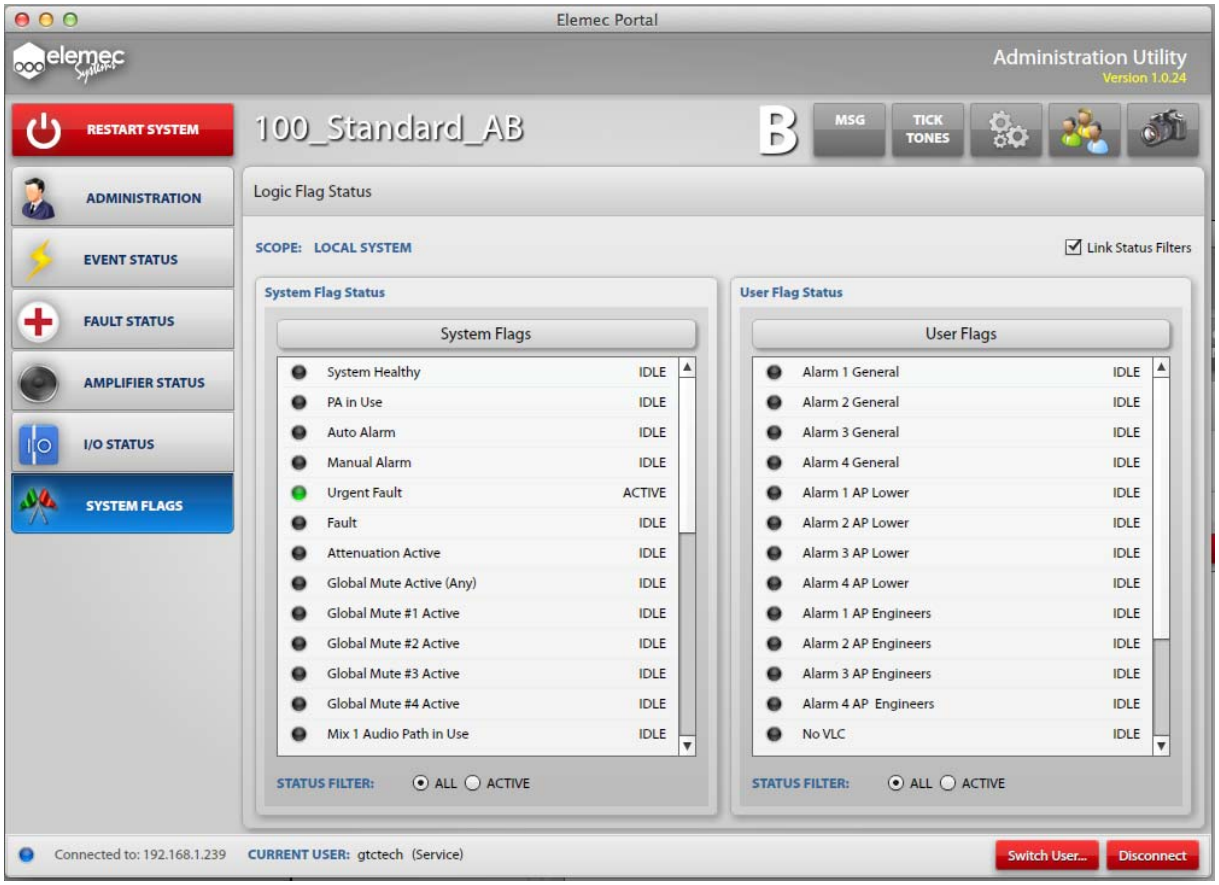

Figure 49. Logic Flag Status screen

Scope

Link Status Filters – When checked, the Status Filter selection applies to both the System Flag and User Flag panels.

System Flag Status / User Flag Status

The Flag Status panels display each logic flag in the system and its current status: ACTIVE or IDLE. Active flags are noted with a green indicator.

Status Filter

All – All system flags are displayed.

Active – Flags are filtered to display Active flags only.