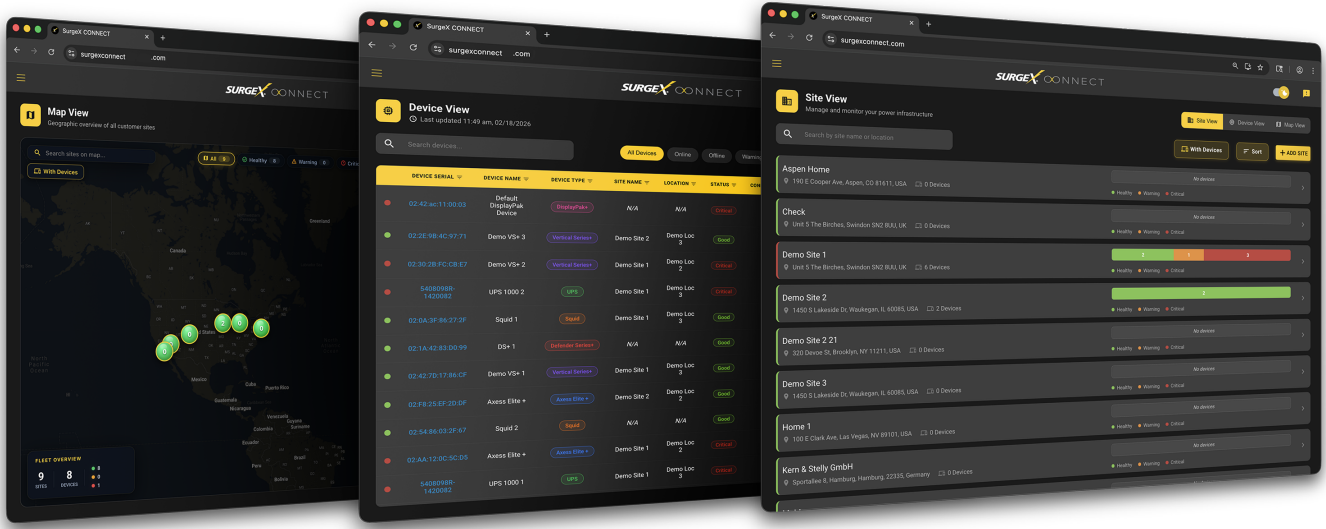


USER MANUAL



SURGEX CONNECT

Revolutionize Power Management

AMETEK®

ADVANCED SERIES MODE®	ELIMINATOR SERIES™	ICE®	NEXT GEN®	SURGE ELIMINATION®
AXESS®	EMPOWER®	IMPEDANCE TOLERANT™	PCS™	SURGEX®
COUVS®	ENVISION®	INRUSH CURRENT ELIMINATION®	POWERFRAME®	
DEFENDER SERIES®	ESP®	MULTIPAK®	REMOTE PORTAL®	
DIGITAL QC®	FLATPAK™	MULTI-STAGE®	SERIES MODE®	

This product may be covered by one or more claims of the following patents or published patent application:

U.S. Patent Nos.: RE39,446; 4,870,528; 4,870,534; 5,136,455; 6,040,969; 6,728,089; 6,744,613; 6,947,266; 7,068,487; 7,184,252; 7,511,934; 7,541,696; 7,551,412; 8,482,885; 8,520,349; 8,547,672; 8,614,866; 9,166,396; 9,225,534; 9,310,870; 9,489,026; 9,577,473; 9,787,081; 9,787,086; 9,831,662; 10,014,680; 10,090,662; 10,114,395; 10,184,963

U.S. Patent Application Publication Nos.:
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Canadian Patent Nos.: 1,332,439; 1,333,191; 2,461,332 and 2,511,695

European Patent Nos.: EP2469554; EP2482085; EP2512092; EP2555004; EP2680014; EP3021441: EP3062409

China Patent Nos.: 102916388B

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1. Introduction to SurgeX CONNECT

SurgeX CONNECT is a powerful cloud-based platform designed to empower AV integrators with remote control, monitoring, and management capabilities for individual devices or entire fleets. Compatible with SQUID, UPS Standalone, and PROTECT + CONNECT products, this intuitive and secure dashboard streamlines multi-site power management, allowing users to maintain optimal power quality across all installations—anytime, anywhere.

With SurgeX CONNECT, integrators can confidently oversee their systems through a consistent, high-quality interface that offers robust connectivity, comprehensive device management, remote monitoring, and advanced analytics. The platform enables users to monitor device status, toggle or reboot outlets, set up sequences, and receive real-time alerts and notifications, ensuring proactive power management and rapid response to events.

Security is at the core of SurgeX CONNECT, leveraging Amazon Web Services (AWS), encrypted communications, and role-based access controls to safeguard your operations. Getting started is simple: create an account, update device firmware, and connect your devices to the cloud for seamless management.

SurgeX CONNECT delivers smart, secure, and streamlined power management, making it the ideal solution for integrators seeking reliability, flexibility, and control over their AV power infrastructure.

2. Creating a SurgeX CONNECT Account:

1. Navigate to <https://surgexconnect.com/>.
2. Select “Create Account”.
3. Enter your First name, Last name, email address and the password you want to use for SurgeX CONNECT.
4. Enter the Company name in the Company name field.
5. Enter City, State, and Zip Code in the corresponding fields.
6. Accept the Terms and Conditions and the Privacy Policy.
7. Click “Create account” at the bottom.
8. A code will be sent to the email address entered during signup.
9. Enter that code in the code field and click “Verify Code”.
10. If you didn’t receive a code, click “resend code” and repeat step 9.

3. Login



The login page is displayed after navigating to the SurgeX CONNECT website. Enter a valid username and password in the “User Name” and “Password” fields, and press “Login” to log in.

3.1 Forgot Password

Select the button titled, “Forgot Password”, enter your respective username, email address and select the button titled, “Reset Password.”

3.2 Forgot Username

Select the button titled, “Forgot User”, enter your respective username and select the button titled “Get Username”.

4. Quick Start Guide

1. Ensure your SurgeX equipment is plugged in and the ethernet cord is connected and use only a computer. A tablet or phone will not work for the initial setup.
2. Navigate to your SurgeX device’s IP address. If you are having trouble finding the IP address, download the [SurgeX Device Discovery Tool](#) here. Once downloaded, while on the local network you can find the SurgeX device’s IP and MAC addresses.

A. Using SurgeX Device Discovery Tool:

1. Download the SurgeX Device Discovery Tool.
2. On the local network, use the tool to find the SurgeX device’s IP and MAC addresses.
3. Click “Launch” to log in to the device.
4. Proceed to step 3 below.

B. Using the Micro USB slot:

1. Connect a micro-USB cable to the device.
2. Plug the other end into your computer.
3. Type http://169.254.10.100 in a web browser.
4. Proceed to step 3 below.

3. Ensure the device has the latest firmware:

1. Download most recent firmware
 - a. Navigate to SurgeX CONNECT home page at this link.
 - b. Download the appropriate device’s firmware under the Downloads ➔ Firmware Section

2. Login to the device:

The default username is admin, and the default password is Adm1nXXXXXX where XXXXXX are the last six characters of the MAC address (excluding the “:”), in upper case.

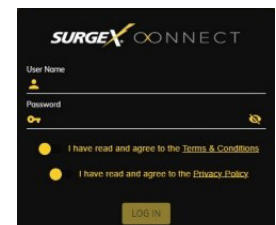
3. Navigate to Utilities located in the hamburger menu in the upper left.
4. Under File type ensure “Firmware Update” is selected.
5. Click the file-upload icon and open the .img firmware file.
6. Select the “Upload firmware” button.

4. Before doing anything else make sure you have created a SurgeX CONNECT Account at surgexconnect.com.

5. Select the Cloud Settings in the device’s main menu.

6. Connect device by entering your SurgeX CONNECT login credentials. Your device should appear in your SurgeX CONNECT account shortly afterward.

7. Ensure Device Control is Enabled under Device Configuration located in the hamburger menu in the upper left corner.



Device Not Showing Up?

SurgeX devices require outbound internet access to communicate with our cloud platform. Since enterprise networks often restrict external connections for security purposes, you may need to configure exceptions for the following endpoints and ports.

Required Network Access

1. Allow outbound connections to the following domains:

surgexconnect.com

Any related subdomains (e.g., api.surgexconnect.com, mqtt.surgexconnect.com if applicable).

2. Permit outbound ports/protocols:

TCP 443 → HTTPS / secure WebSocket traffic

UDP 53 → DNS resolution

TCP 8883 → MQTT over TLS (if your firewall logs show attempts on this port)

3. No inbound rules are required – the device only needs outbound access to initiate communication.

Verification Steps

Your network/security team can run the following checks from within your secured network:

```
nslookup surgexconnect.com
```

```
curl -v https://surgexconnect.com
```

If DNS resolution and HTTPS access are successful, the device should be able to connect.

Proxy/Firewall Considerations

If your environment uses a proxy or deep packet inspection, please ensure surgexconnect.com is whitelisted.

Review firewall logs for any blocked outbound attempts to these domains/ports.

5. Views

SurgeX CONNECT has relaunched. It now provides 3 views for users to review their fleet, Site View, Device View, and Map View. Each view offers a different user experience, whether you want to quickly look for a specific site in the site view, want to sort and filter all of your devices for those that are currently showing issues in the device view, or look at problem sites from a regional perspective in the map view.

6. Site View

The Site View page provides a centralized view of all sites' names, addresses, the respective devices' operational statuses. It is designed for quick monitoring and management.

Clicking on any site will open that site's dashboard page.

6.1 Navigation Bar

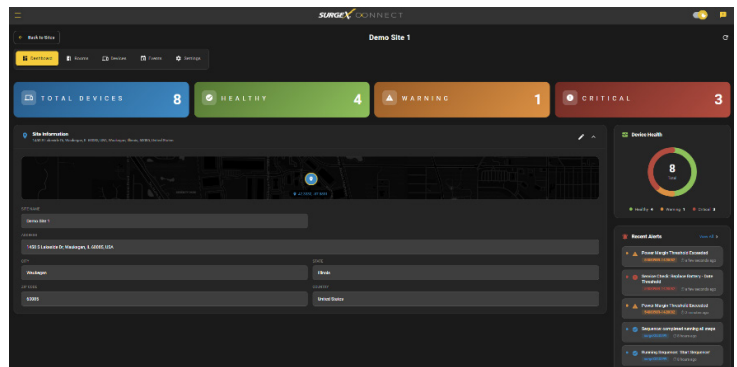
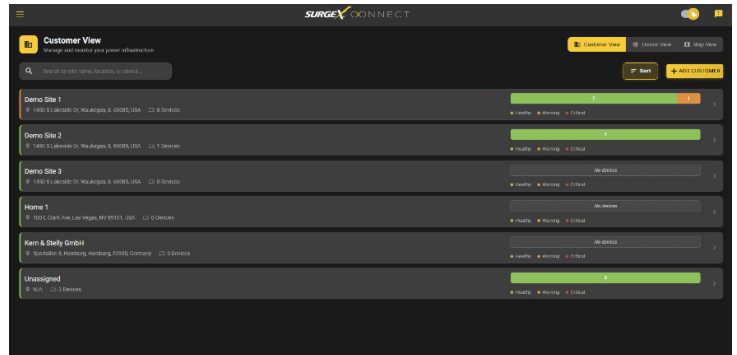
Tabs: Includes Dashboard, Rooms, Devices, Events, and Settings.

6.2 Dashboard

The Site Dashboard provides a centralized interface for monitoring all devices deployed at a specific location. It offers at-a-glance visibility into devices' health, recent alerts, a map view of the site's location, and key site details to help users quickly assess operational status and respond to potential issues.

At the top of the page, device counts are grouped into four categories: **Total Devices**, **Healthy**, **Warnings**, and **Critical**. These indicators give users an immediate understanding of the site's operational condition.

Each site displays summary information, including address, device count, and overall device health. Followed by real-time alerts and navigation options for deeper exploration. The dashboard is designed to streamline troubleshooting, improve situational awareness, and simplify the management of multiple connected devices.

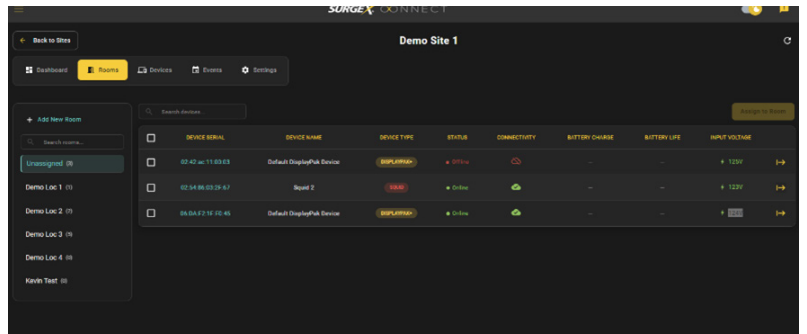


6.3 Rooms

The Rooms page serves as a centralized interface for managing and monitoring all devices associated with specific rooms within a site, as well as devices that are not yet assigned to any site or room.

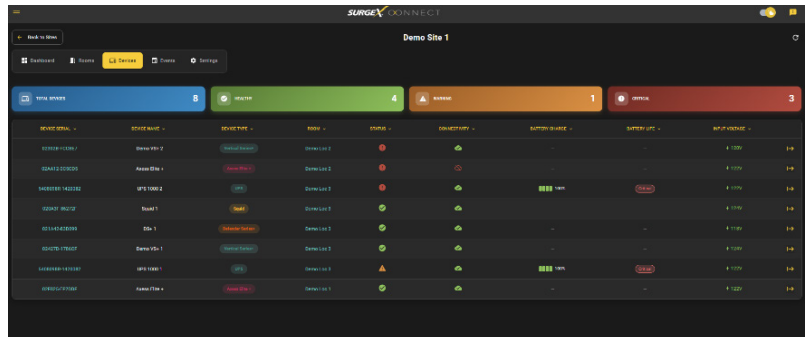
This view enables users to quickly assess each device's status, connectivity, and key operational metrics, while also providing tools to organize devices into logical room groupings for streamlined navigation and troubleshooting.

To assign a device to a room and therefore to that room's corresponding site, select the checkbox next to the desired device. Devices may be chosen from the Unassigned category or from an existing room. After selecting one or more devices, click Assign to Room. When the assignment window appears, choose the target room to complete the assignment process.



6.4 Devices

The Site View > Devices page provides a comprehensive, site wide listing of all monitored devices, regardless of room assignment. This view allows users to evaluate overall device health, review detailed operational metrics, and quickly identify devices that require attention. The Devices page serves as a central location for assessing system status across the entire site.



At the top of the page, device counts are grouped into four categories: Total Devices, Healthy, Warnings, and Critical. These indicators give users an immediate understanding of the site's operational condition.

The main device table displays each device along with key information, including device serial number, device name, device type, room assignment, operational status, connectivity, battery charge, battery life, and input voltage. Status and connectivity indicators allow users to identify offline or degraded devices at a glance, while real time voltage and battery readings provide visibility into power conditions for supported models.

The Devices page is designed to help users quickly locate devices, investigate system issues, and maintain a clear understanding of site performance without needing to navigate through individual rooms or categories at the respective site.

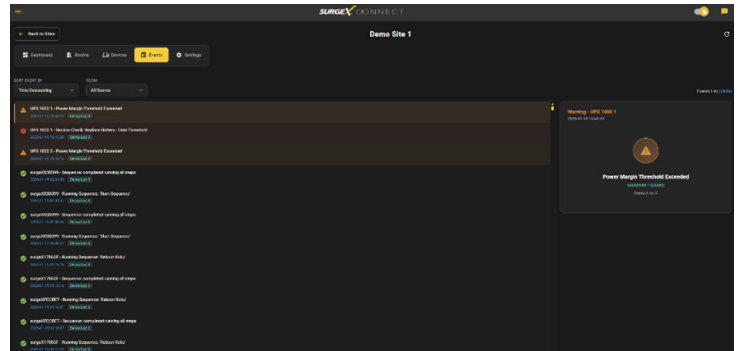
6.5 Events

The Events page provides a chronological log of scheduled actions, alerts, and system notifications for the selected device. It helps users track activity and verify system performance.

This data can be exported to PDF or Microsoft Excel formats.

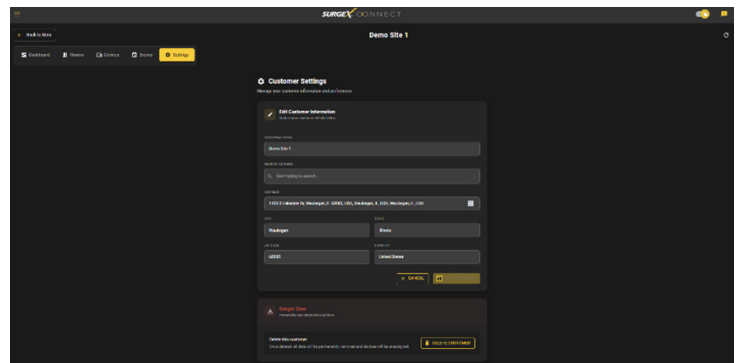
Types of event which may be recorded include:

- Triggers
- Power Outage
- Network Events
- Outlet Changes
- Shutdown Events



6.6 Settings

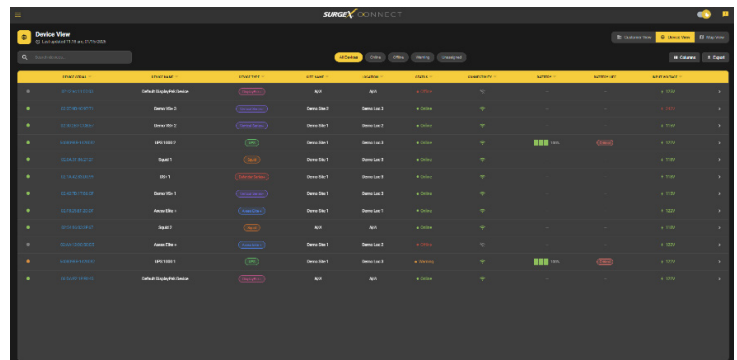
The Site View > Settings page allows users to manage and update the site’s information within the SurgeX CONNECT platform and delete customers.



7. Device View

The Device View page provides a centralized view of all connected SurgeX devices, their operational status, connectivity, and key metrics. It is designed for quick monitoring and management.

By selecting the dropdown, “v” button at the top of each column, one can sort, search, and filter the list to view critical information for efficient fleet management. Clicking on any device will open that device’s Status page.



7.1 Navigation Bar

Tabs: Includes Devices, Alerts, Settings, Power Management, Sequences, and Triggers for navigation to other features.

Export Buttons: Options to export the Device View in CSV format for reporting or backup.

Last Updated Timestamp: Displays the most recent refresh time for the data.

7.2 Table Columns

Each row represents a connected device, with the following columns:

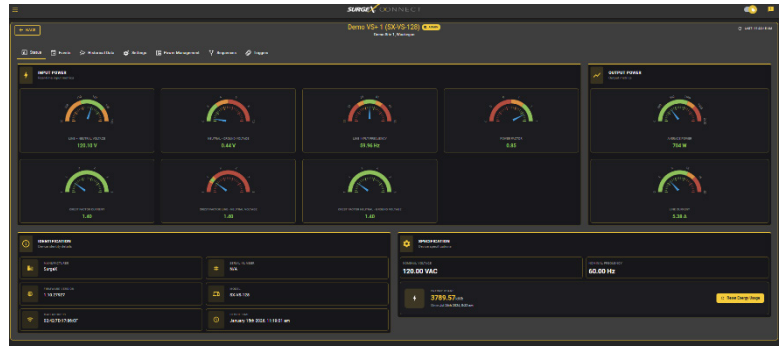
- **Device Serial:** Unique serial number for identification.
- **Device Name:** User-assigned name for easy recognition.
- **Device Type:** Indicates the type of SurgeX equipment (e.g., UPS, Squid, Defender Series).
- **Site Name:** User-assigned location or site where the device is installed.
- **Location:** User-assigned specific area or room within the site.
- **Status:** Shows operational health (green check for normal, warning or error icons for issues).
- **Connectivity:** Indicates network connection status (cloud icon for online).
- **Battery Charge:** Displays current battery percentage for UPS devices.
- **Battery Life:** Shows estimated remaining battery life or replacement timeline.
- **Input Voltage:** Real-time voltage reading for the device.

7.3 Pagination

Allows users to control how many devices are displayed per page and navigate through multiple pages of devices.

7.4 Dashboard

The dashboard provides real-time monitoring of power quality, device identification, and specifications for SurgeX equipment. It is divided into three main areas: Input Power, Output Power, and Device Information.



7.4.1 Input Power Section

Displays incoming electrical parameters:

- Line–Neutral Voltage: Shows the voltage between line and neutral conductors.
- Neutral–Ground Voltage: Indicates potential difference between neutral and ground.
- Line Input Frequency: Displays the frequency of the incoming AC power (typically 50/60 Hz).
- Power Factor: Represents efficiency of power usage (ratio of real power to apparent power).
- Crest Factor (Line–Neutral): Indicates waveform distortion by comparing peak to RMS voltage.
- Crest Factor (Neutral–Ground): Similar measurement for neutral-ground voltage.

7.4.2 Output Power Section

Monitors power delivered to connected equipment:

- Average Power: Displays the average power consumption.
- Line Current: Shows the current drawn by the load.

7.4.5 Identification

Provides device-specific details:

- Manufacturer: Brand name (SurgeX).
- Firmware Version: Current software version running on the device.
- MAC Address: Unique network identifier.
- Serial Number: Device's unique identifier.
- Model: Product model number.
- Device Time: Current system time on the device.

7.4.4 Specification

Lists electrical specifications:

- Nominal Voltage: Expected operating voltage.
- Nominal Frequency: Standard AC frequency.
- Energy Usage: Displays cumulative energy consumption and timestamp of last reset.

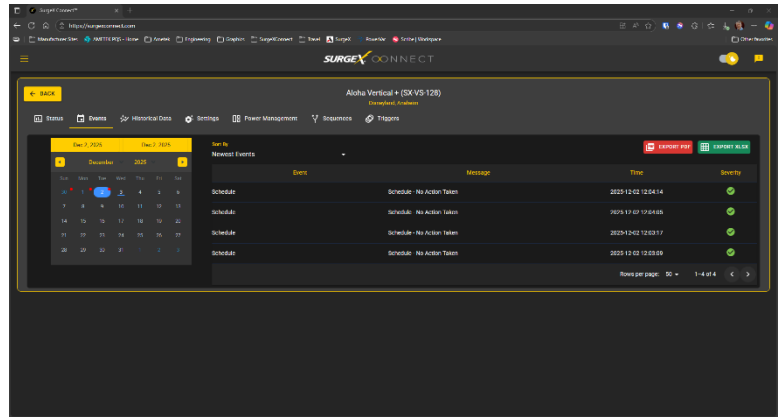
7.5 Events

The Events page provides a chronological log of scheduled actions, alerts, and system notifications for the selected device. It helps users track activity and verify system performance.

This data can be exported to PDF or Microsoft Excel formats.

Types of events which may be recorded include:

- Triggers
- Power Outage
- Network Events
- Outlet Changes
- Shutdown Events



7.5.1 Calendar

- Date Selector: Allows users to filter events by specific dates or ranges.
- Month/Year Navigation: Arrows enable quick navigation between months and years.
- Users can select specific time periods by first selecting the starting date on the calendar followed by the end date.

7.5.2 Event Table Columns

Each row represents an event with the following details:

- Event: Type of activity (e.g., Schedule, Alert).
- Date: The date the event occurred.
- Message: Description of the event (e.g., "Schedule: No Action Taken").
- Time: Timestamp of the event.
- Severity: Indicates the importance or status of the event (green check for normal).

7.5.3 Export Options

- Export PDF: Generates a PDF report of the displayed events.
- Export XLSX: Exports the event log in Excel format for analysis or record-keeping.

7.5.4 Pagination

Controls how many events are displayed per page and allows navigation through multiple pages.

7.6 Historical Data

The Historical Data page provides a graphical representation of power metrics over a selected time range. It helps users analyze trends, identify anomalies, and verify system stability that can be exported for further analysis.

7.6.1 Metrics

The available metrics are:

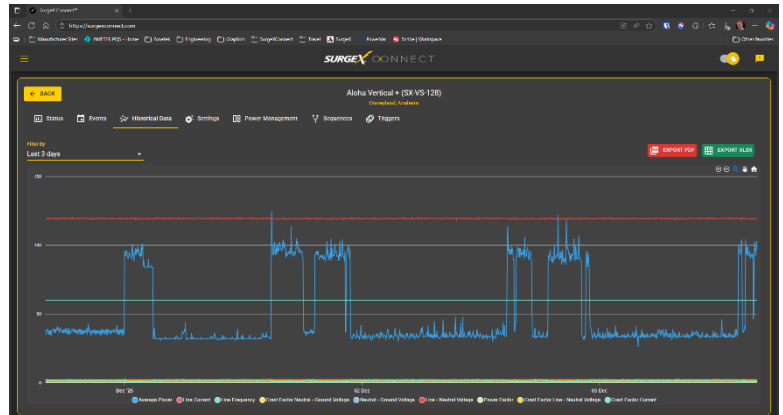
- Average Power
- Line Current
- Line Frequency
- Crest Factor Neutral – Ground Voltage
- Neutral - Ground Voltage
- Line – Neutral Voltage
- Power Factor
- Crest Factor Line – Neutral Voltage
- Crest Factor Current

7.6.2 Graph Display

- The graph can be filtered for a specific graphic by selecting the metric in the bottom legend.
- Line Graph: Shows real-time and historical measurements of key electrical parameters.
- Color-Coded Lines: Each metric is represented by a distinct color for easy identification.
- Horizontal Axis (X-Axis): Displays time intervals.
- Vertical Axis (Y-Axis): Displays measurement values (e.g., voltage, current).

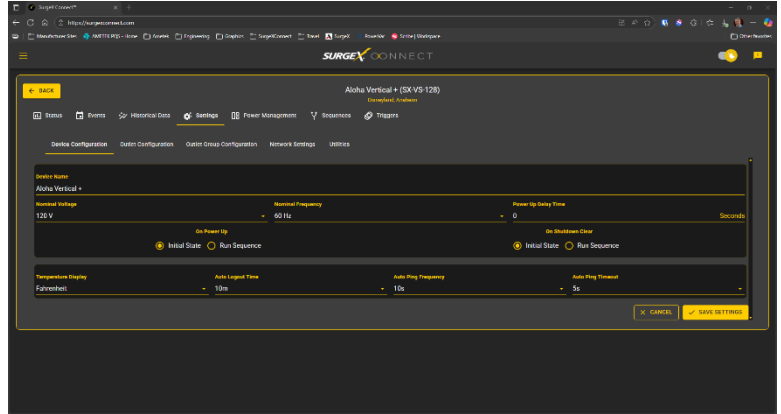
7.6.3 Export Options

- Export PDF: Generates a PDF report of the displayed historical data.
- Export XLSX: Exports the data in Excel format for detailed analysis.



7.7 Settings

The Settings page allows users to configure operational parameters for the selected SurgeX device. It includes options for voltage, frequency, power-up behavior, and network settings to ensure optimal performance.



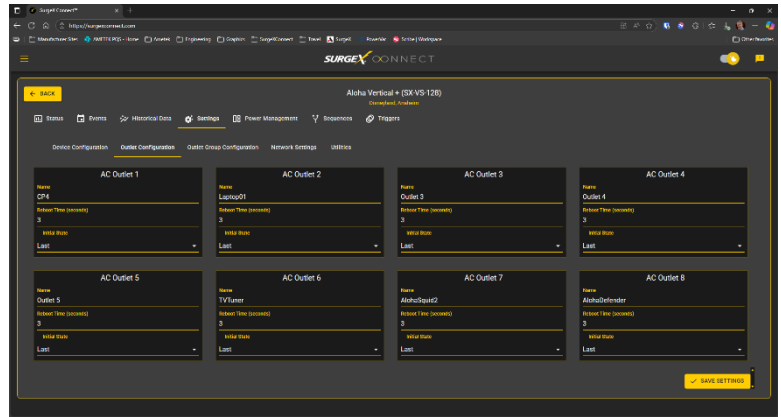
7.7.1 Device Configuration

The Device Configuration tab allows for the specification of visual feedback and device initialization.

Device Configuration	
Item	Description
Device Name	Specifies the name label to be associated with the device
Nominal Voltage	Specifies the expected voltage on the input receptacle. This selection does NOT change any settings for over/under voltage shutoff. This is only for visual coloring on gauges.
On Power Up	Specifies whether to set outlet to initial states or run a predefined sequence when the device powers up.
On Shutdown Clear	Specifies whether to set outlets to initial states or run a predefined sequence when the Shutdown state clears.
Temperature Display	Specifies whether to display temperature in degrees Fahrenheit or Celsius.
Auto Logout Time	Specifies the web security timeout in minutes.
AutoPing Frequency	Specifies how frequently the device will send pings to an IP address or Hostname in an AutoPing trigger.
AutoPing Timeout	Specifies the amount of time the device will wait for a ping response before calling the attempt a failure.

7.7.2 Outlet Configuration

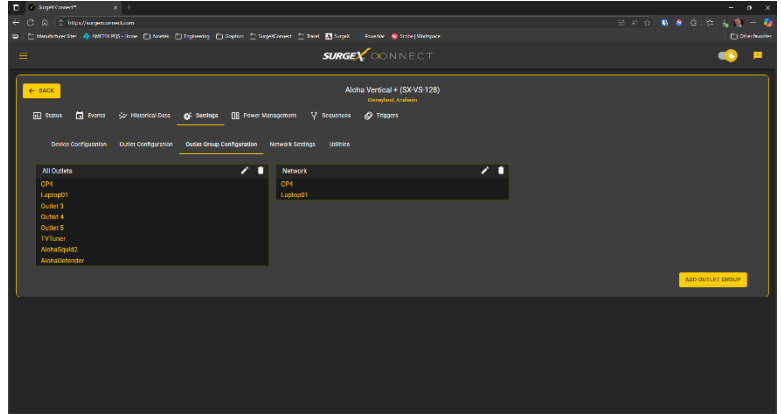
The Outlet Configuration tab allows for the specification of unique names and reboot times per outlet. The configuration for the initial state per outlet is also here if this option is selected in the Device Configuration tab for either On Power Up or On Shutdown Clear.



Item	Description
Outlet Name	Specifies the name label to be associated with this Outlet
Rebot Time	Number of seconds that the device will wait in between turning an outlet off and turning the outlet back on during a reboot command.
Initial State	<p>The state that an outlet will assume during start up or after a shutdown clears, if the initial state settings is selected in the Device Configuration tab. Options are as follows:</p> <ul style="list-style-type: none"> Always On Regardless of other settings, this outlet will always be on. Ignores Shutdown state and deselecting Initial State in the Device Configuration tab. The only thing that will kill power with this selected is a hard reboot or power outage. Always Off The opposite of Always On, this setting will never allow an outlet to pass power. On The outlet will start in an On state. Off The outlet will start in an Off state. Last The outlet will assume the last state it was in. (Factory Default) Reboot Only The outlet will act like the On state but will ignore user commands to power off. This outlet will only respond to reboot commands. Useful for network appliances that may need to be rebooted, but otherwise want to be On all the time. Using this setting, the outlet will still turn Off during Shutdown state.

7.7.3 Outlet Group Config

The Outlet Group Configuration page allows users to organize individual outlets into logical groups for easier management and sequencing. This feature is useful for controlling multiple outlets simultaneously.

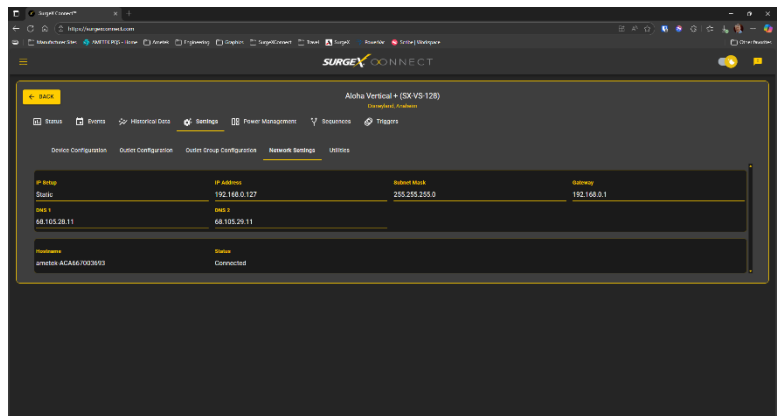


Item	Description
Group Name	Specifies the name label to be associated with the outlet group.
Member Name	Specifies the outlet members of this outlet group.

7.7.4 Network Settings

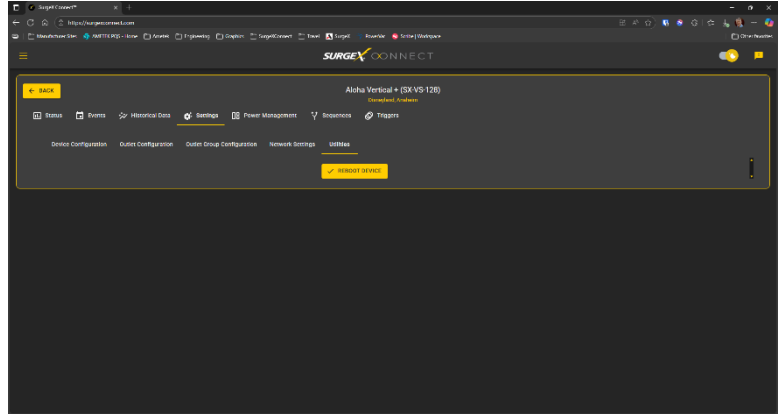
The Network Settings tab is a read-only page displaying the network information from the device. No changes can be made on this page.

- IP Type: Indicates whether the IP address is Static or DHCP.
- IP Address: Current assigned IP address (e.g., 192.168.0.127).
- Subnet Mask: Defines the network segment (e.g., 255.255.255.0).
- Gateway: Default gateway for network routing (e.g., 192.168.0.1).
- DNS: Lists DNS server addresses for name resolution.
- Interface Name: Identifies the network interface (e.g., amnet0).
- Status: Displays connectivity status (e.g., Connected).



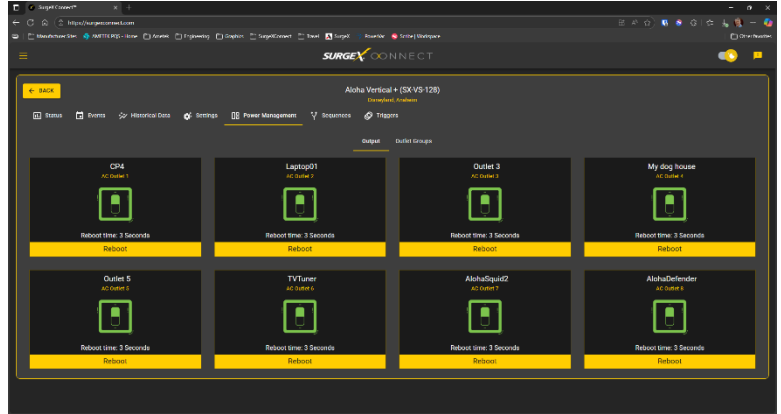
7.7.5 Utilities Tab

Adds the ability to reboot the selected device. A soft reboot will not change the outlet state or disconnect power from the connected equipment. This request will add a message in the event log “Rebooting Adapter Due to User Request.”



7.8 Power Management

The Power Management page provides direct control over individual outlets or outlet groups. Users can turn outlets ON/OFF or reboot them remotely, making it ideal for managing connected devices without physical access.

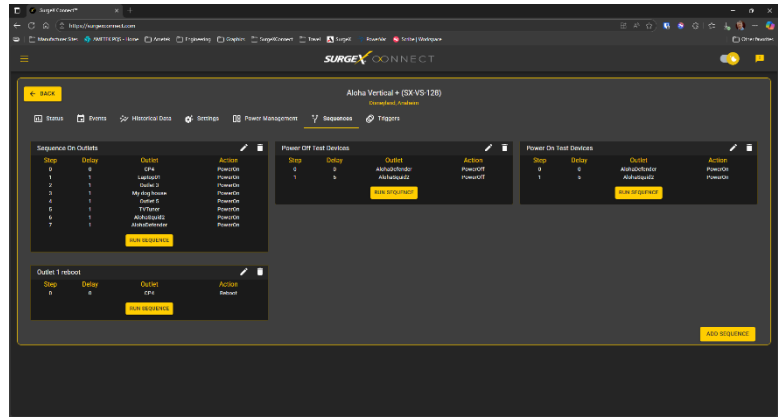


Each outlet is displayed in its own panel with the following features:

- Outlet Name: Custom name assigned to the outlet (e.g., CPU4, Laptop01, TV Tuner).
- Power Button:
 - o Function: Click to turn the outlet ON or OFF.
 - o Visual Cue:
 - Green indicates the outlet is currently ON.
 - Red indicates the outlet is currently OFF.
- Reboot Button:
 - o Function: Initiates a reboot cycle for the outlet.
 - o Reboot Time: Displays the duration of the reboot cycle (e.g., 3 Seconds).

7.9 Sequences

The Sequences page allows for the creation and modification of sequences. A sequence is a set of actions to be taken in a specific order and with a specified delay time between each step. Using sequences avoids manually performing each action or turning each outlet on or off individually.



A sequence as defined for this product is purely a one-way sequence. That is, one does not use the same sequence to turn on the outlets as one uses to turn off the same outlets in a reverse order. One sequence must be created for the turn-on function and a second sequence must be created for the turn-off function.

To create a new sequence, press the “Add Sequence” button. The new sequence must be given a unique name. This name should clearly indicate what the sequence will do, such as “All On,” “All Off,” or “Stage Equipment On.”

To run a sequence to test it, press “Run Sequence.” To edit an existing sequence, press the pencil icon. To delete a sequence, press the minus “-” icon.

After a sequence has been saved, it will be available at the Sequences page and when creating or editing a trigger when “Run Sequence” is selected as an action.

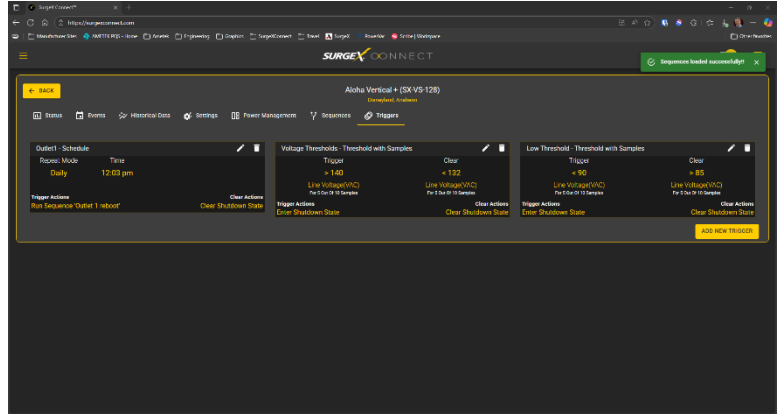
**Time delay is specified from the previous sequence item, not from the initial starting point. For example, creating a sequence with “Step 1, 1 second, Outlet 1, On” and “Step 2, 1 second, Outlet 2, On” will turn on Outlet 1 after 1 second, and Outlet 2 on 1 second after Outlet 1 has turned on. This sequence will not turn on both Outlets 1 and 2 at the same time.*

Sequence Actions:

- None (useful for additional time delays)
- State Change
 - o On, Off, or Reboot

7.10 Triggers

The Triggers setup page allows for modifications of triggers. Triggers define event logging parameters and allow configuration to automatically control and protect connected equipment. Triggers are categorized into three types: AutoPing, Threshold with Samples, and Schedule, but all have the same possible actions. Actions can either be at the onset (Trigger/Alarm Actions) or offset (Clear Actions) of a trigger. All triggers are logged along with the associated actions..

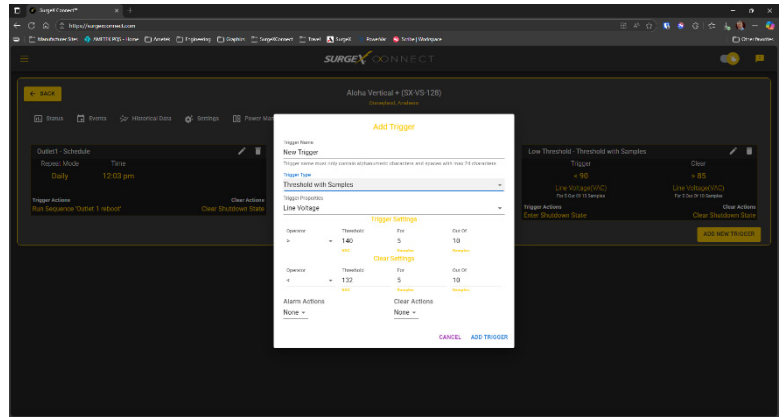


Trigger Types	
Item	Description
hreshold with Samples	Uses measurements over an allotted time to take an action. This trigger type is configurable to act very quickly or very slowly depending on environmental/system needs.
AutoPing	ssues a ping function on a periodic basis to determine if an IP asset is accessible.
Schedule	Uses the device time to issue a one time or periodic command. We suggest ensuring the NTP server is updating correctly to use the schedule trigger.

Action Types	
Item	Description
None	Do not take any action; only log the event. This is useful as a Clear Action when an action should persist, or for both Alarm and Clear actions when just logging the event is desired.
Power On	Power on a specific outlet if the outlet configuration allows it.
Power Off	Power off a specific outlet if the outlet configuration allows it.
Reboot	Reboot a specific outlet if the outlet configuration allows it. If an outlet is already off when this command is issued, the outlet will simply turn on after the outlet specific reboot delay time.
Run Sequence	Run specific sequence.
Enter Shutdown State	Put the device into a shutdown state. This state turns off all outlets (unless they are configured for always on). The only way to clear a shutdown state, is another trigger, a button on the web interface, or a REST API command.
Clear Shutdown State	Clear the device's shutdown state. Clearing the device's shutdown state will cause the outlets to follow the logic defined by the On Shutdown Clear setting.

7.10.1 Threshold with Samples

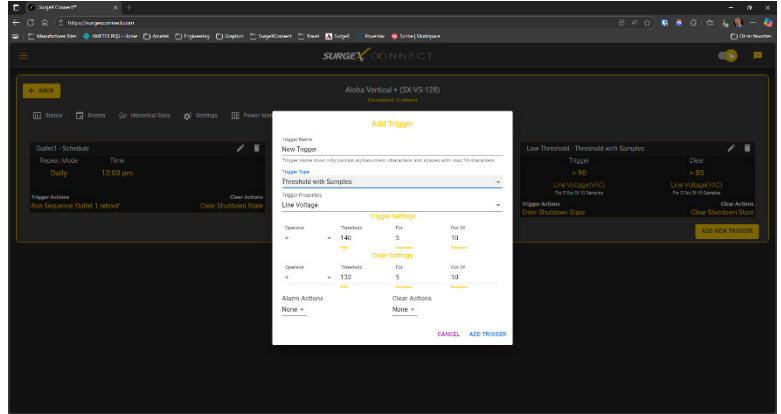
The Threshold with Samples trigger uses several measurements to decide when to act. The trigger can be configured to act quickly or slowly, depending on the number of measurement samples used. A new sample is available every 50ms, with the minimum samples being used for a trigger being 1 sample and the maximum being 20 samples.



Item	Option	Description
Trigger Properties	Line Voltage	Uses the Line to Neutral voltage measurement. Measurement accuracy is between 90 VAC and 300 VAC
	N-G Voltage	Uses the Neutral to Ground voltage measurement. Measurement accuracy is between 0.6 VAC to 300 VAC
	Current	Uses the current measurement, which includes total product current. Measurement accuracy is between 0.1 A and 20 A.
	Temperature	Uses internal temperature measurement. This should not be treated as an ambient temperature and will vary drastically based on loading.
	Frequency	Uses the frequency measurement. Measurement accuracy is between 45 Hz and 65 Hz.
	Average Power	Uses the average power measurement. Measurement accuracy is between 12W and 6000W.
	Crest Factor	Uses the Line to Neutral Voltage Crest Factor.
	Power Factor	Uses the Power Factor
Operator	>	Requires "For" number of measurements to be greater than the threshold.
	<	Requires "For" number of measurements to be less than the threshold.
	=	Requires "For" number of measurements to be exactly equal to the threshold.
Threshold	Numerical Range	Is the number to be evaluated against all measurements to either trigger or clear the trigger.
For	1-20	The number of measurements out of the given number of samples being evaluated that must meet the criteria to trigger or clear the trigger.
Out Of	1-20	The number of consecutive measurements to be evaluated to trigger or clear the trigger.

7.10.2 AutoPing

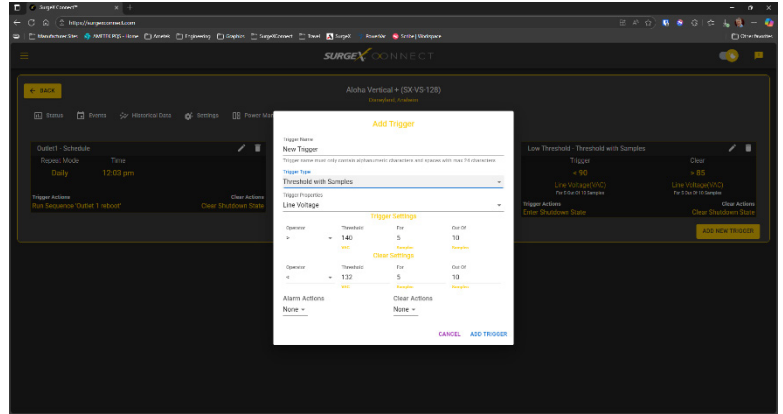
The AutoPing trigger uses a ping command on a periodic basis defined in the device settings to test if a specific IP address will respond. This trigger type is useful if there is a problematic piece of equipment that becomes unresponsive or if internet connectivity is inconsistent.



Item	Description
IP	P address to be pinged at the period set on the device configuration page
Fail Count	Number of consecutive failed ping responses needed to activate the AutoPing trigger.
Success Count	Number of consecutive successful ping responses needed to clear the AutoPing trigger.

7.10.3 Schedule

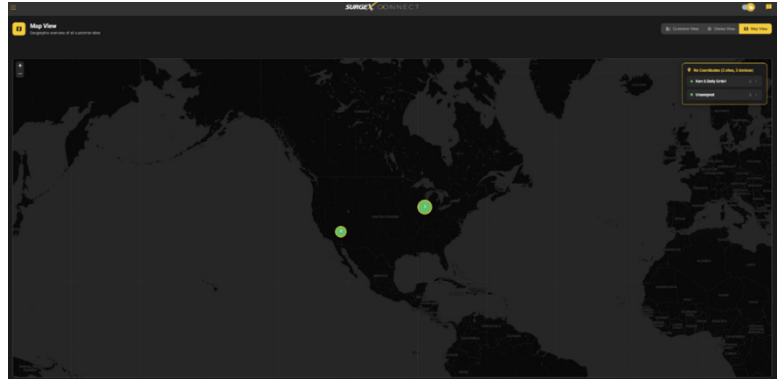
The Schedule trigger uses the internal time of the device to easily configure single and recurring events based on time. Only Alarm Actions are used for this trigger.



Item	Option	Description
Repeat	Never	The trigger will only fire once on the specific date and time shown in the configuration.
	One Time	he trigger will only fire once on the specific date and time shown in the configuration.
	Daily	The trigger will fire every day at the given time.
	Weekly	he trigger will fire every week on the selected day(s) at the given time.
	Monthly	The trigger will fire every month on the given day of the month at the given time.
	Annually	The trigger will fire every year on the given day of the given month at the given time.
Date	Date Picker	A specific date to be used in the One-Time Trigger.
Days	Sunday-Saturday	A set of day(s) that can be selected for use in the Weekly trigger.
Day	1-31	A day of the month to be used in the Monthly or Annually trigger.
Month	January-December	month of the year to be used in the Monthly or Annually trigger.
Time	12:00AM – 11:59PM	A given time to be used in all scheduling triggers.

8. Map View

The Map View page provides a geographic view of all sites' devices. Each site is depicted as a circle, whose size is determined by the number of overlapping sites and color determined by the sites' devices' status. This view may provide the ability to determine if there is a regional outage (all sites and devices in a certain area are offline), or if the issue is site specific.



Devices that have not been assigned to a site are listed in the upper right of the map. Additionally, by selecting one of the sites, it will take you to that site's dashboard, where you can review the site's various functionality as listed above.

9. Admin

The Admin page allows for management of groups and users. At the top of the interface, the user can switch between the two tabs.

9.1 Groups

This screen provides an overview of all system groups and the number of users assigned to each. It is part of the access-control and permissions management features within SurgeX CONNECT.

9.1.1 Add

The Add Group screen allows administrators to create a new user group within SurgeX CONNECT and define its permissions, membership, and customer access rules. This page is designed to control what actions users in the group can perform and which customers or locations they can interact with.

Administrators must enter the basic identifying information for the group:

Group Name and Description – use to identify the new group.

Group Privileges – defines what users in the group are allowed to do. Permission levels include:

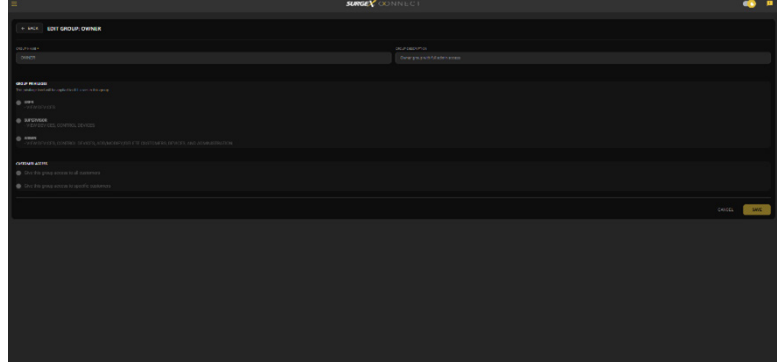
User Assignments – Optional field to search for and add users directly into the group during creation.

Group Privileges Breakdown:

Page / Feature	Viewer	Supervisor	Admin
Customer List	Read Only	Read Only	Read Only
Device List	Read Only	Read Only	Read Only
Map List	Read Only	Read Only	Read Only
Customer Dashboard	Read Only	Read Only	Read Only
Customer Rooms	Read Only	Read/Write	Read/Write
Customer Devices	Read Only	Read Only	Read Only
Customer Events	Read Only	Read Only	Read Only
Customer Settings	Read Only	Read Only	Read/Write
Device Status	Read Only	Read/Write	Read/Write
Device Events	Read Only	Read Only	Read Only
Device Historical Data	Read Only	Read Only	Read Only
Device Settings	Read Only	Read/Write	Read/Write
Device Power Management	Read Only	Read/Write	Read/Write
Device Sequences	Read Only	Read/Write	Read/Write
Device Triggers	Read Only	Read/Write	Read/Write
Admin Panel – Users	—	—	Read/Write
Admin Panel – Groups	Can view groups they are in or have created	Can view groups they are in or have created	Read/Write Groups they are admins of

9.1.2 Edit

The Edit Group screen allows administrators to edit an existing group within SurgeX CONNECT and define its permissions, membership, and customer access rules.

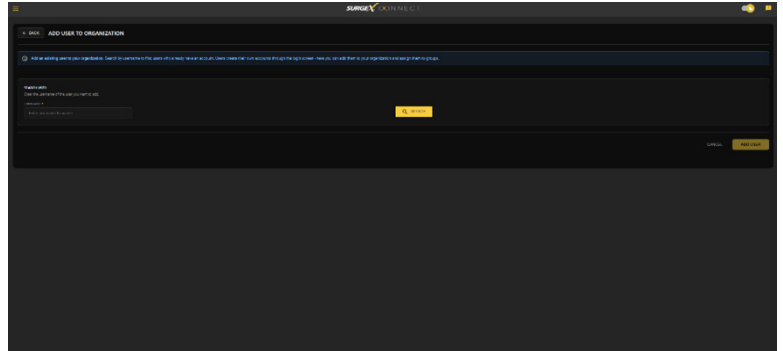


19.2 Users

The Users Management page provides administrators with a comprehensive view of all accounts within the SurgeX CONNECT platform, along with their email addresses, assigned groups, and customer access levels with respect to your account. This page enables quick user oversight and access-control adjustments.

19.2.1 Add User

The Add User to Organization page allows administrators to search for and add an existing account to their organization. Once added, the account can be assigned to groups and given appropriate permissions. This screen is used when a person already has a SurgeX CONNECT account but is not yet part of your organization.



To find an account simply search for them in the enter username form and hit search. If the user is the same as the text searched for, their username will show up along with their email.

19.2.2 Edit User

The Edit User screen allows administrators to edit an existing user within SurgeX CONNECT and define what group membership or remove the user entirely.

