



Bogen E7000 Routine Activation via API Implementation Guide

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About Alertus

Alertus Technologies is a pioneer and market leader of emergency mass notification systems for large-area, high occupancy facilities. Since 2002, Alertus has engineered innovative solutions for unified mass notification, in-building notification, outdoor notification, and personal notification. Thousands of institutions and enterprise organizations worldwide trust and rely on Alertus to protect millions of people. To learn more, visit www.alertus.com.

Guide Overview

The **Bogen E7000 Routine Activation via API Implementation Guide** provides instructions for configuring an HTTP request in the Alertus server that activates a preconfigured Bogen routine on the Bogen Nyquist E7000.

This guide is intended for Alertus customers. For more information or questions regarding the functionality outlined in the implementation guide, or any other functionality or features covered in this document, contact Alertus Technical Support at <https://www.alertus.com/support>.

Related Document(s)

Certain items mentioned in this guide may reference other processes, documents, sites, and/or departments. Relevant links (as applicable) are listed below.

- No related documents at the time of publication.

Version History

Version #	Author	Approved By	Published Date	Description of Changes & Comments
1.0	Megan Lizambri, Product Specialist	Ben Brewer, Director of Product Management	08/05/2025	Major Content Update: <ul style="list-style-type: none">Published initial version of the document.

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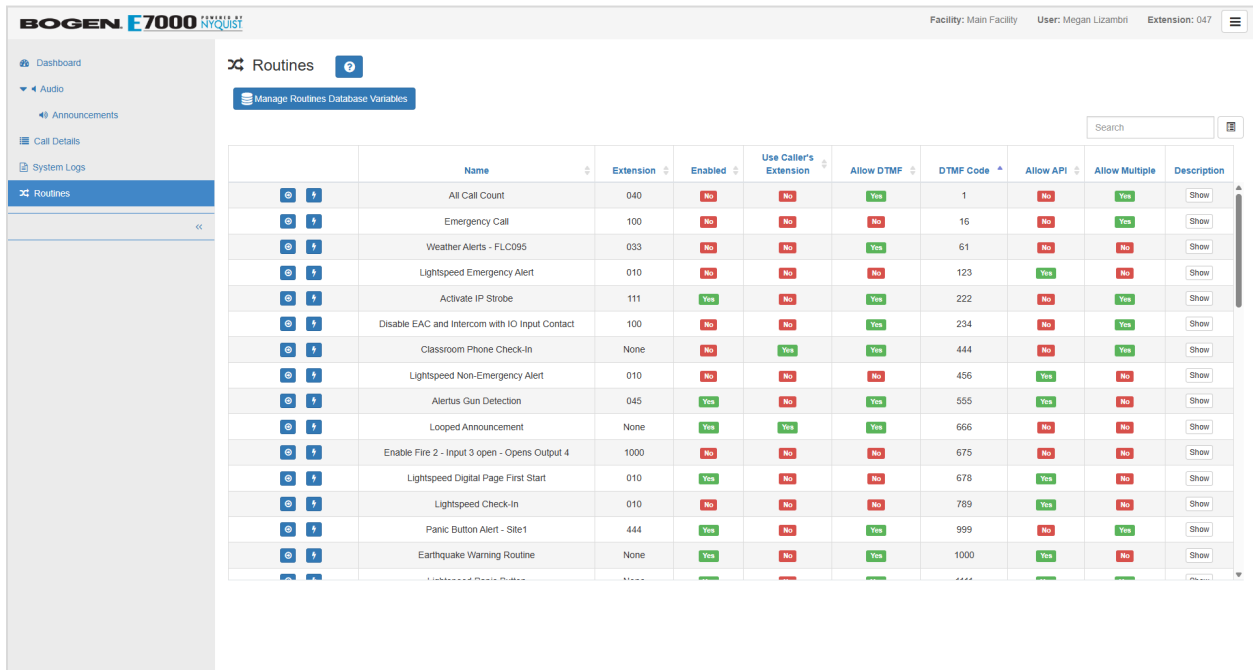
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Table 1: Parameters and Accepted Values	11
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1. Bogen Routines

On the Bogen Nyquist E7000's webpage, you can view and edit the triggers and actions associated with each routine. Actions may include displaying a message, playing a pre recorded announcement, playing text-to-speech audio, or sending an email.

Figure 1: Bogen Routines Page



	Name	Extension	Enabled	Use Caller's Extension	Allow DTMF	DTMF Code	Allow API	Allow Multiple	Description
 	All Call Count	040	No	No	Yes	1	No	Yes	Show
 	Emergency Call	100	No	No	No	16	No	Yes	Show
 	Weather Alerts - FLC095	033	No	No	Yes	61	No	No	Show
 	Lightspeed Emergency Alert	010	No	No	No	123	Yes	No	Show
 	Activate IP Strobe	111	Yes	No	Yes	222	No	Yes	Show
 	Disable EAC and Intercom with IO Input Contact	100	No	No	Yes	234	No	Yes	Show
 	Classroom Phone Check-In	None	No	Yes	Yes	444	No	Yes	Show
 	Lightspeed Non-Emergency Alert	010	No	No	No	456	Yes	No	Show
 	Alertus Gun Detection	045	Yes	No	Yes	555	Yes	No	Show
 	Looped Announcement	None	Yes	Yes	Yes	666	No	No	Show
 	Enable Fire 2 - Input 3 open - Opens Output 4	1000	No	No	No	675	No	No	Show
 	Lightspeed Digital Page First Start	010	Yes	No	No	678	Yes	No	Show
 	Lightspeed Check-In	010	No	No	No	789	Yes	No	Show
 	Panic Button Alert - Site1	444	Yes	No	Yes	999	No	Yes	Show
 	Earthquake Warning Routine	None	Yes	No	Yes	1000	Yes	No	Show

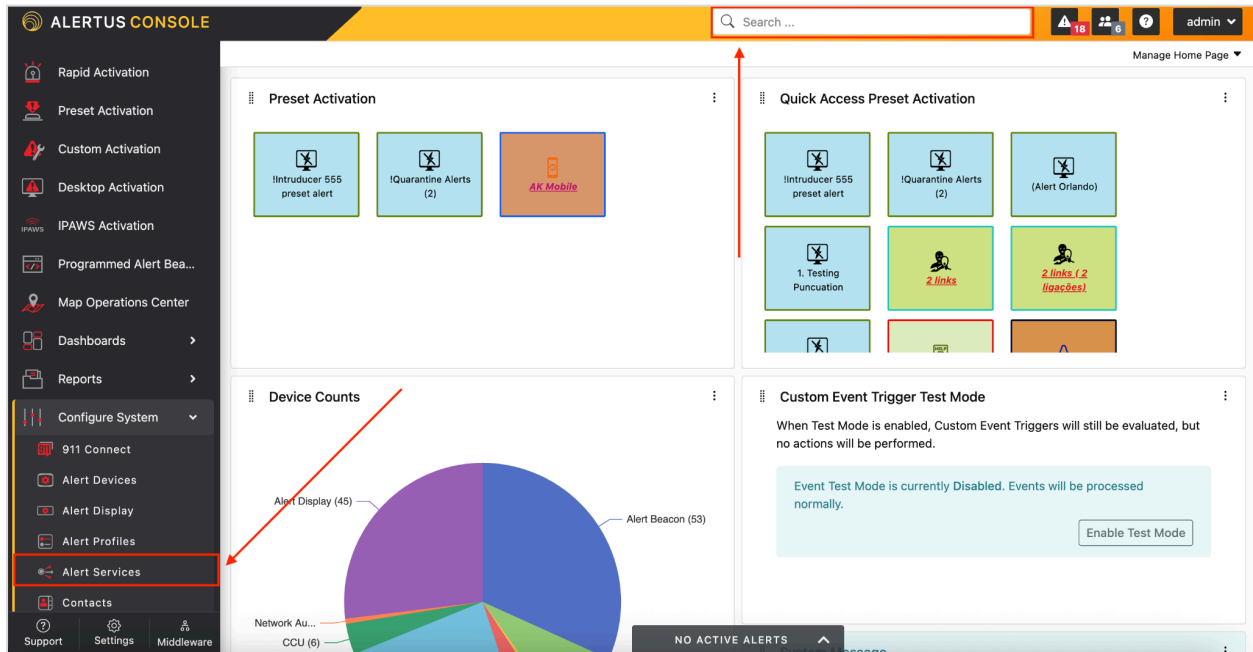
2. Alertus Configuration

2.1 Configure Alert Service

The first step in configuration is creating an Alert Service that targets the Bogen device via API.

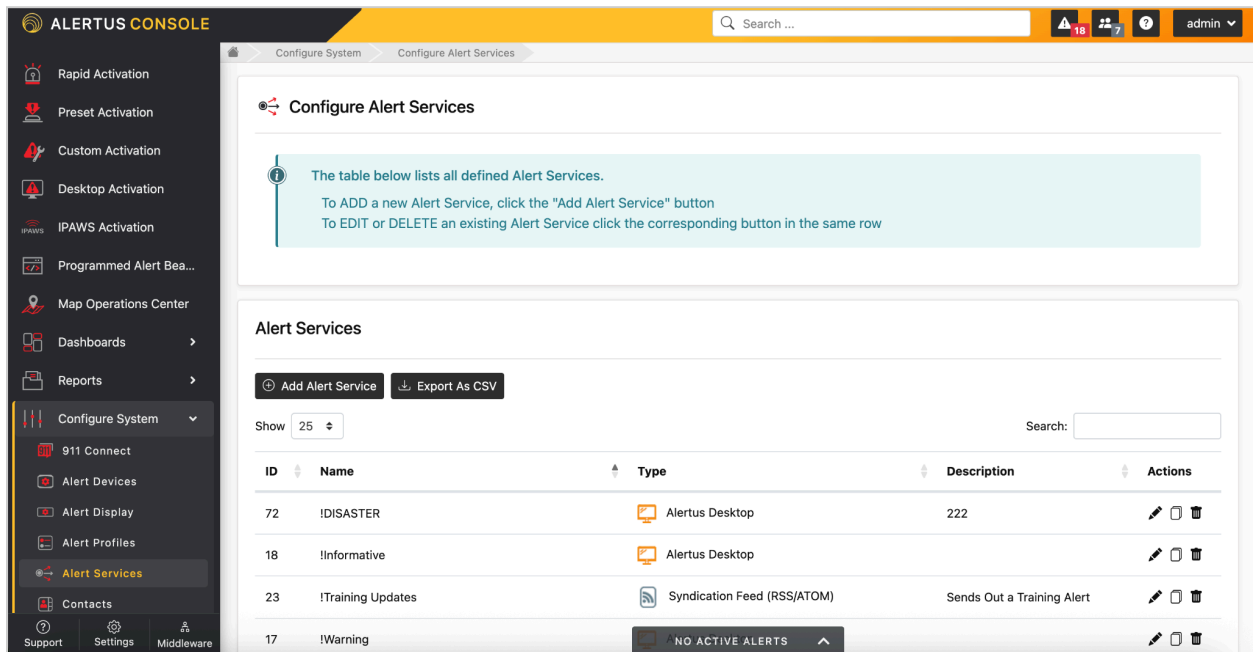
1. Log in to the Alertus Console.
2. Using the Quick Nav Menu on the left-hand side of the Home Page, expand the **Configure System** dropdown, and select **Alert Services**. You can also access this page by using the **Search** bar at the top of the Home Page.

Figure 2: Accessing the Alert Services Page



3. Click the **Alert Services** menu link. The **Configure Alert Services** page opens.

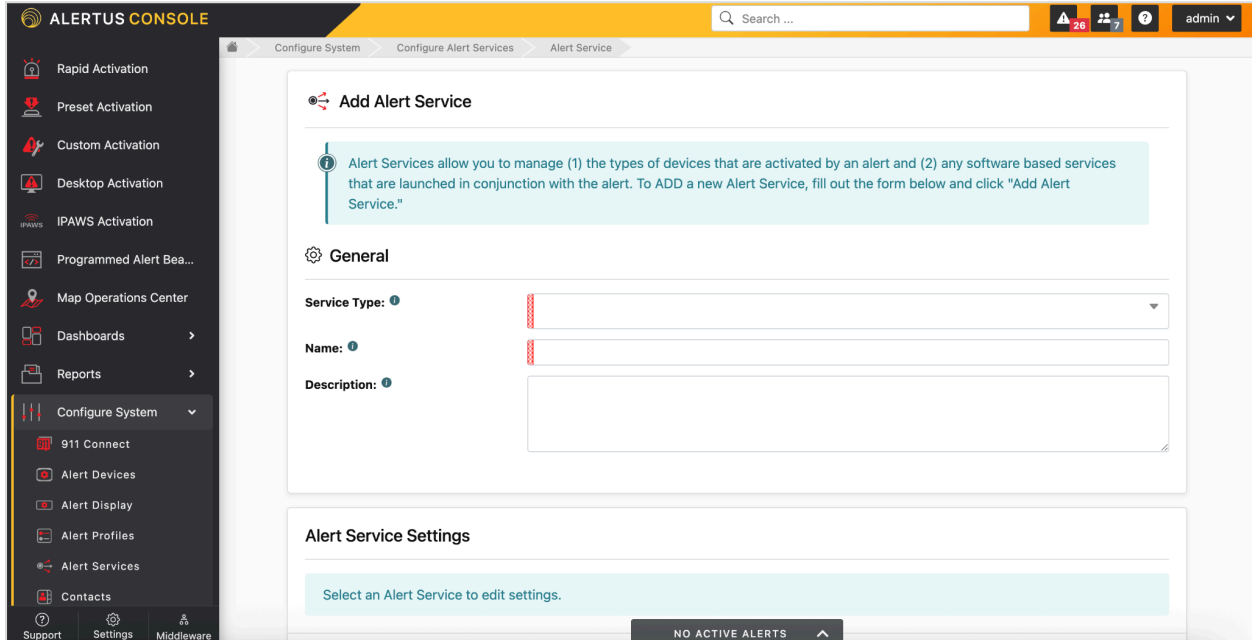
Figure 3: Configure Alert Services Page



4. In the Alert Services section, click the **Add Alert Service** button.

5. The Add Alert Service page opens.

Figure 4: Add Alert Service Page





On the **Add Alert Service** page, you will need to enter the following information:


- **General**
 - **Service Type:** The type of Alert Service. In this case, select **HTTP Request**.
 - **Name:** The name for the Alert Service.
 - **Description:** A description for the Alert Service.


Note: This is required to make an API call to trigger the preconfigured routine.

Figure 5: Edit Alert Service



 **Edit Alert Service**


 Alert Services allow you to manage (1) the types of devices that are activated by an alert and (2) any software based services that are launched in conjunction with the alert. To ADD a new Alert Service, fill out the form below and click "Add Alert Service."

 **General**


Service Type: 

HTTP

 HTTP Request  

Name: 

Activate Bogen Routine

Description: 

Note: During the testing of this integration, we used an API key to authenticate the request to the device. Steps may need to be modified if you're using another type of authentication.

Figure 6: Alert Service Settings

Alert Service Settings

OAuth2 Connection: ⓘ

None

Username: ⓘ

Password: ⓘ

Activation HTTP Methods: ⓘ

GET

Activation URL: ⓘ

http://97.68.97.117/routine/api/555/0/0/123/456

Activation Headers: ⓘ

Authorization: Bearer

Activation Body: ⓘ

Activation Response Error Regex: ⓘ

Activation Retry Attempts: ⓘ

Deactivation HTTP Methods: ⓘ

None

Disable SSL Host Checking: ⓘ

Yes

Timeout Milliseconds: ⓘ

Error Emails: ⓘ

Retry Interval: ⓘ
(Seconds)

Debug: ⓘ

No

6. Select *GET* as the “Activation HTTP Method”

7. In the “Activation URL” field enter the following, replacing the parameters (<parameter>) with the values in the table. Replace http with https if you have a certificate that you’d like to use.

http://<ip_address>/routine/api/<dtmf_code>/0/<delay_flag>/<param1>/<param2>

8. In the “Activation Headers” field enter the following, replacing <api_key> with the api key associated with your device.

Authorization: Bearer <api_key>

Table 1: Parameters and Accepted Values

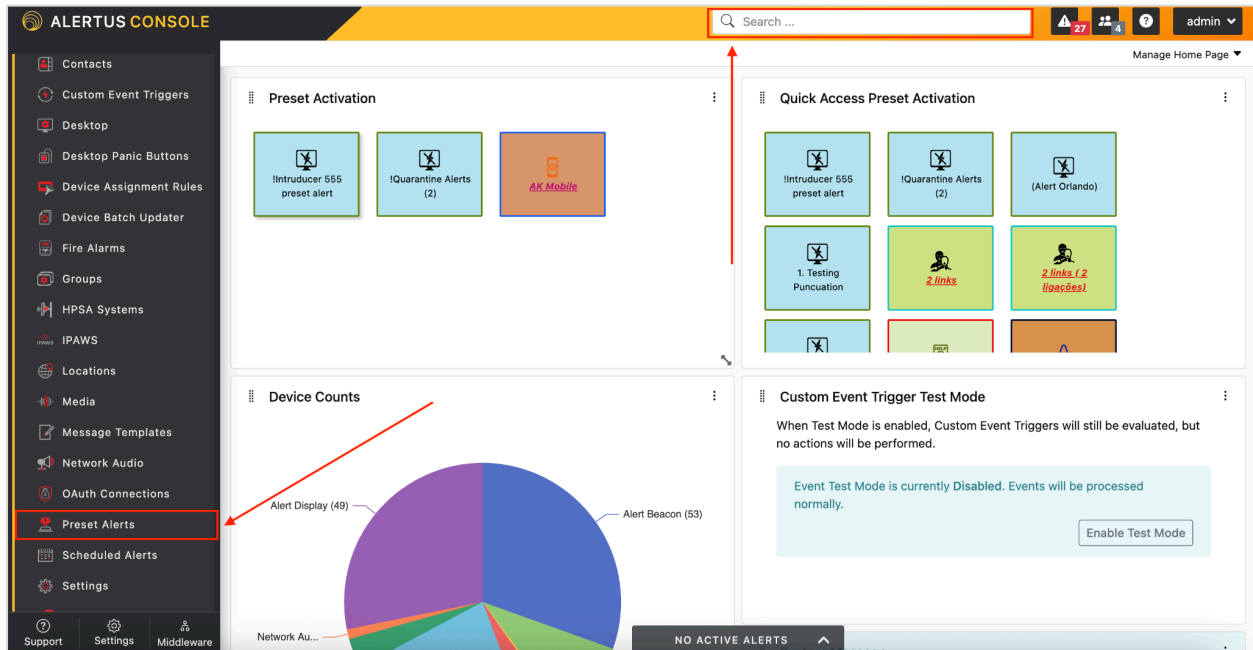
Parameter	Description	Accepted Values
<ip_address>	IP address of the Bogen device	Valid IP
<dtmf_code>	Code that corresponds with the Bogen routine	Integer <= 9999
<delay_flag>	Flag that specifies delay	1 = delay, 0 = no delay
<param1>	Value passed to the routine (ex: building number)	String
<param2>	Value passed to the routine (ex: room number)	String
<api_key>	API key used to access Bogen device via API	Valid API key

9. In the “Disable SSL Host Checking” field, select *yes* if you are using http, select *no* if you are using https.
10. After all configurations have been specified on the Alert Service, click the **Save** button.

2.2 Create Preset Alert

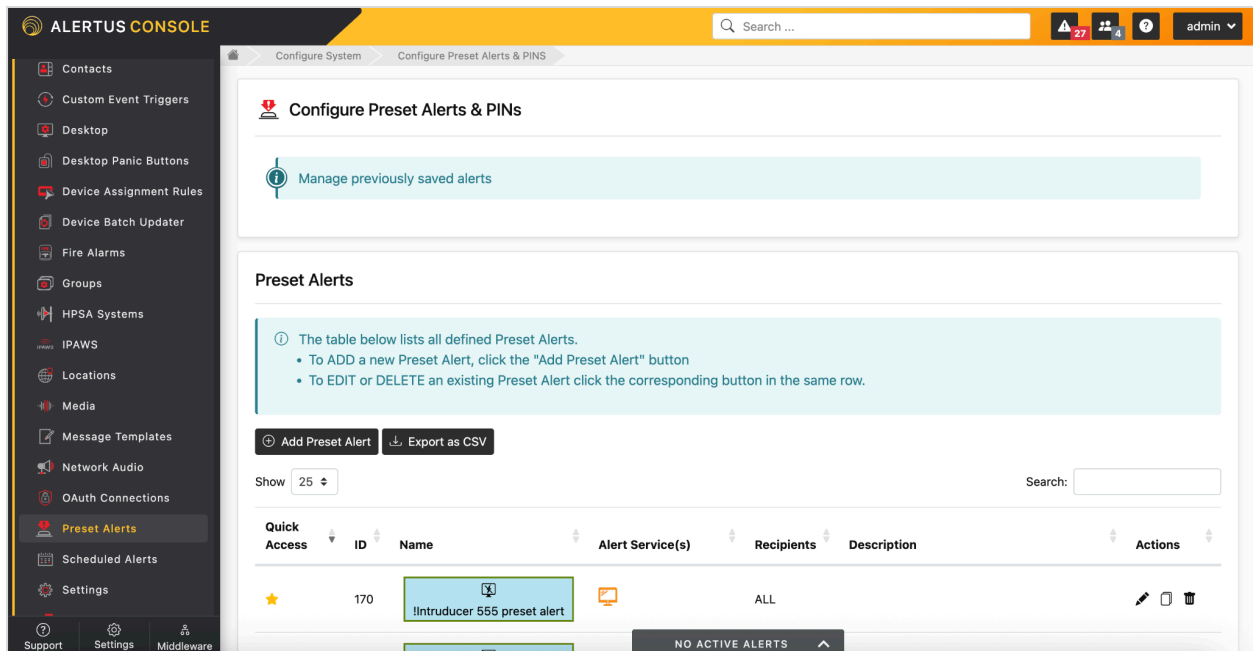
1. Log in to the Alertus Console.
2. Using the Quick Nav Menu on the left-hand side of the Home Page, expand the **Configure System** dropdown, and select **Preset Alert**. You can also access this page by using the **Search** bar at the top of the Home Page.

Figure 7: Accessing the Preset Alerts Page



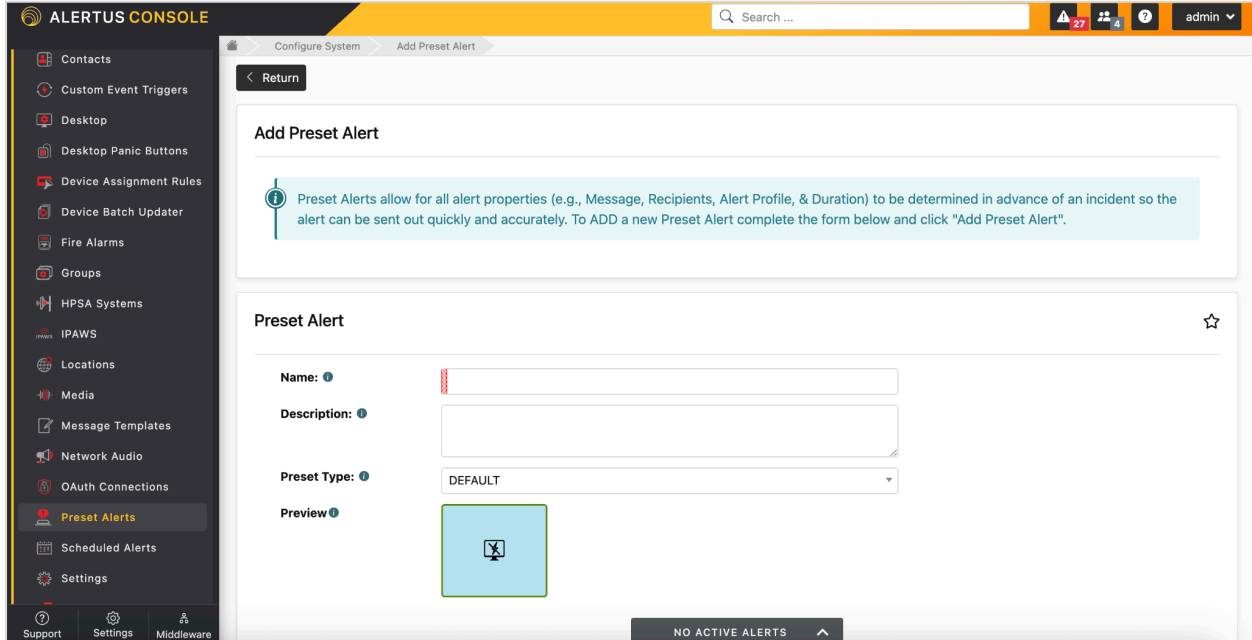
3. Click the **Preset Alerts** menu link. The **Configure Preset Alerts & PINs** page opens.

Figure 8: Configure Preset Alerts Page



4. Click the **Add Preset Alert** button.
5. The **Add Preset Alert** page opens.

Figure 9: Add Preset Alert Page



ALERTUS CONSOLE

Search ...

admin

Configure System > Add Preset Alert

[Return](#)

Add Preset Alert


Preset Alerts allow for all alert properties (e.g., Message, Recipients, Alert Profile, & Duration) to be determined in advance of an incident so the alert can be sent out quickly and accurately. To ADD a new Preset Alert complete the form below and click "Add Preset Alert".

Preset Alert

Name:

Description:

Preset Type:

Preview 

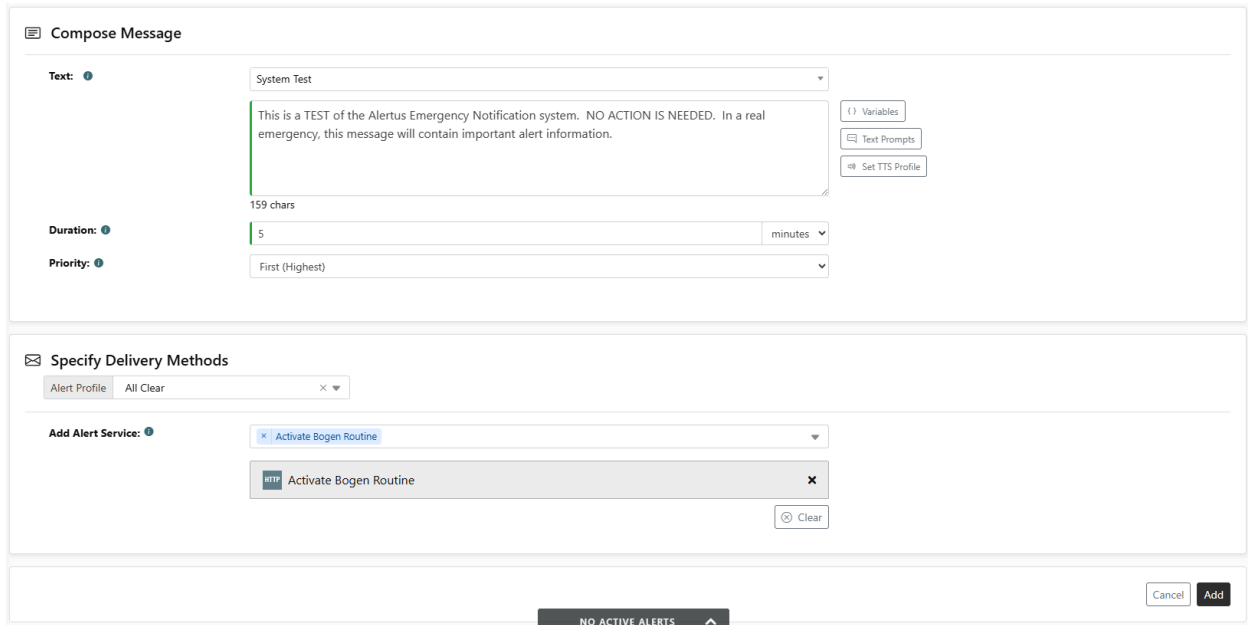
NO ACTIVE ALERTS

On the **Add Preset Alert** page, you will need to enter the following information:

- **Name:** The name for the Preset Alert.
- **Description:** A description for the Preset Alert.
- **Preset Type:** Allow you to customize the Preset Alert.

6. Enter a name for the Preset Alert.
7. Enter a description for the Preset Alert.
8. Select the Preset Type from the dropdown.
9. Navigate to the Compose Message section.
10. Enter the alert text in the **Compose Message** field.
11. Under **Specify Delivery Methods > Add Alert Service**, specify the Alert Service that was created in the steps above.

Figure 10: Add Preset Alert Page - Specify Delivery Method



Compose Message

Text: System Test

This is a TEST of the Alertus Emergency Notification system. NO ACTION IS NEEDED. In a real emergency, this message will contain important alert information.

159 chars

Duration: 5 minutes

Priority: First (Highest)

Specify Delivery Methods

Alert Profile All Clear

Add Alert Service: Activate Bogen Routine

Activate Bogen Routine

Clear

NO ACTIVE ALERTS

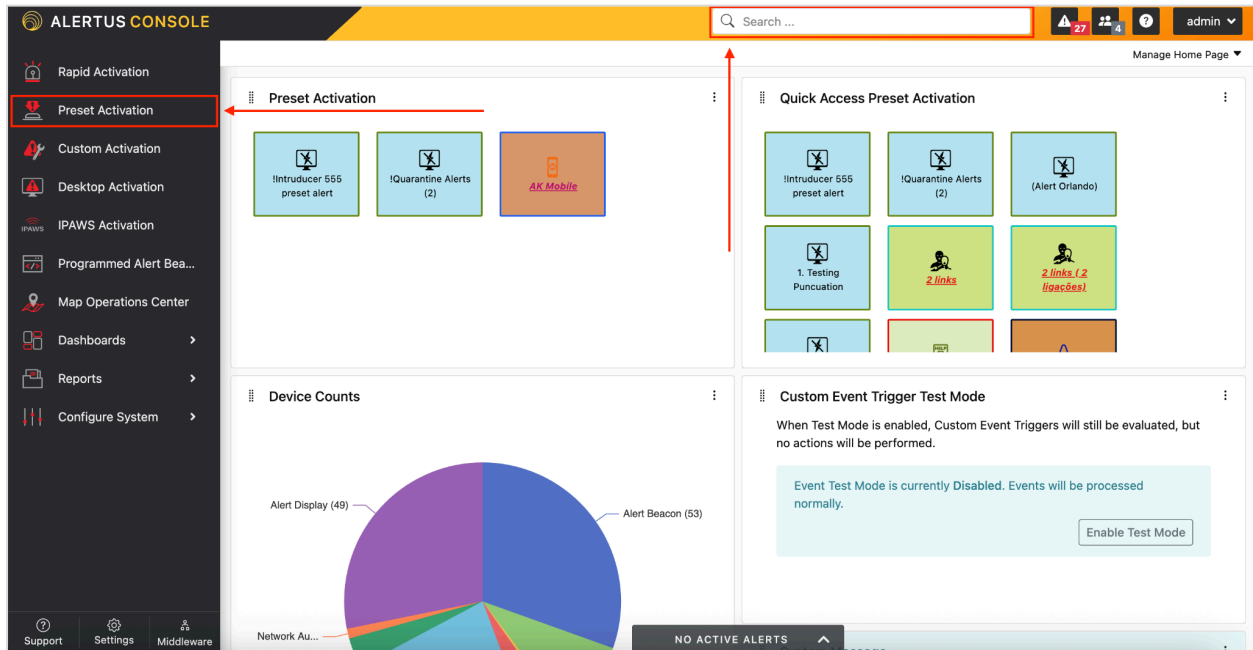
Cancel Add

- Once you have entered all the information for the Preset Alert, navigate to the bottom of the page, and click the **Add** button.

2.3 Preset Activation

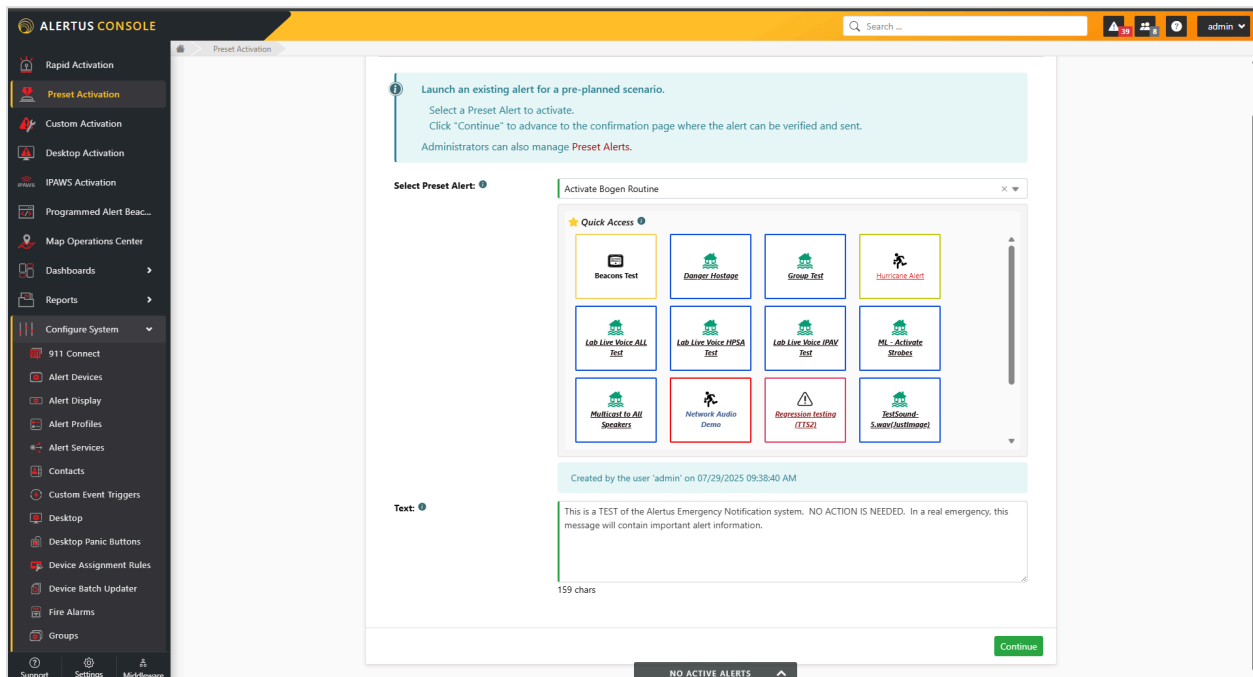
- Using the Quick Nav Menu on the left-hand side of the Home Page, and select **Preset Activation**. You can also access this page by using the **Search** bar at the top of the Home Page.

Figure 11: Accessing the Preset Activation Page



2. Use the search bar next to **Select Preset Alert** to search for the preset alert that was configured in the steps above.
3. Select the alert service and press the **Continue** button.


Figure 12: Preset Activation Page





- You will be met with a confirmation screen. Press **Send** to confirm and activate the Preset Alert.


Figure 13: Confirm Activation Page


Confirm Activation


 Please verify the alert below *before it is transmitted.*
WARNING: DO NOT use your browser's "Back" button/function


 **Alert Information**

Message Text:  This is a TEST of the Alertus Emergency Notification system. NO ACTION IS NEEDED. In a real emergency, this message will contain important alert information.


Duration:  5 mins starting now

Priority:  1

Alert Profile:  All Clear

 **Integration Recipients**

Alert Services listed here do NOT use Alertus recipients for targeting.

Name	Description
 Activate Bogen Routine	None

Cancel

✓ Send