



SETTING UP ALERTS

Phoenix Bell & Intercom

DOCUMENT PURPOSE

The purpose of this document is to instruct the Phoenix Bell & Intercom user how to create, text and execute “Alert” in conjunction with a Barix BarioNet 50. In a typical installation, the security team will provide a “dry” contact, (two wires) that will connect to I/O 1 or I/O 2. This dry connect is connected to the Lockdown or Lockout button in the office.

These instructions will step the reader through the process of setting up the Barix BarioNet and setting up a “Lockdown” message using I/O 1. If the school is going to also use a “Lockout”, these instructions will be sufficient, the reader would use I/O 2 for the Lockout. The reader would make the required changes in setting vs what is shown in the instructions below.

Note: These instructions apply to the Master Admin and District Admin users.

This document assumes the reader has the appropriate user credentials, (user name and password), as well as the IP address or DNS name of the Phoenix Bell & Intercom system. This document further assumes the reader is logged into the server with the appropriate credentials.

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GETTING STARTED

To get started, the reader will need the IP address of the Phoenix Bell and Intercom server. Additionally, the reader will need the IP address of the Barix BarioNet or the Barix Discovery software as the IP address of the BarioNet is required. If the school / district has a custom audio file for the “Alert” message, that file will need to be uploaded to the Phoenix Bell & Intercom server.



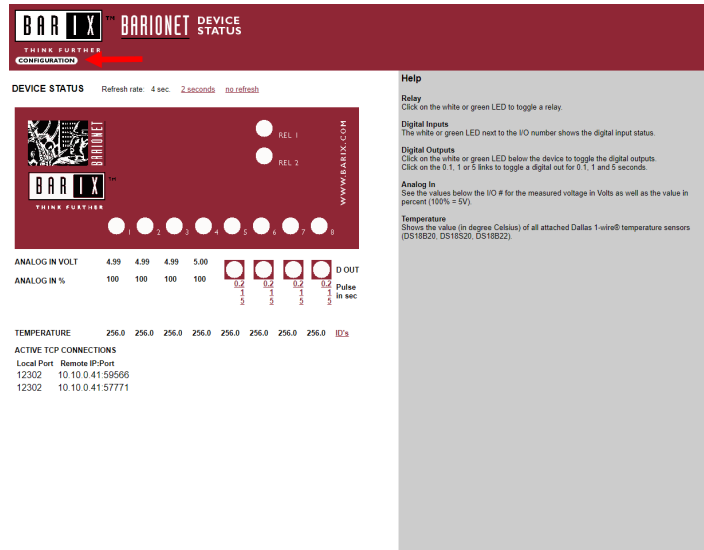
INSTRUCTIONS

SETTING UP THE BARIX BARIONET

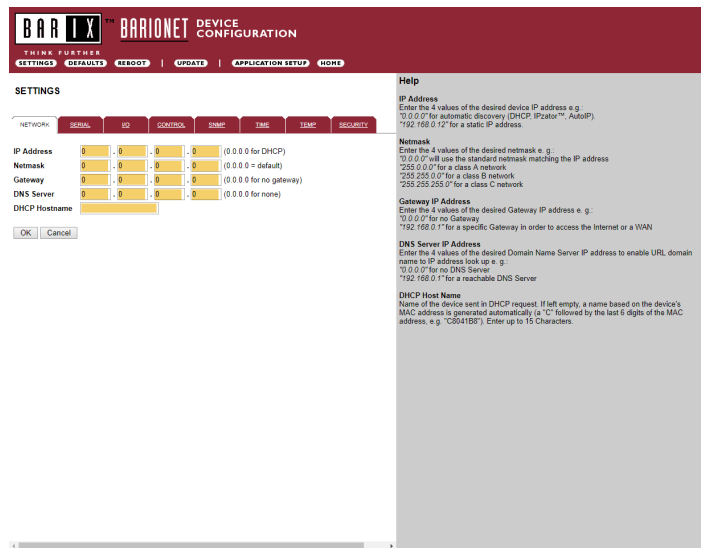
In this section, the reader will set the IP of the Barix BarioNet to a static IP address, name the device and set the control port address.

Note: Setting the IP address normally happen on a private network or on the school network where DHCP address are available. Use the Barix Discovery tool to locate the address of the BarioNet.

1. Type the IP Address of the BarioNet in your favorite web browser (Chrome is recommended).
2. Click the **Configure** button.



3. Type the appropriate data in the following fields:
 - **IP Address.**
 - **Netmask.**
 - **Gateway.**
 - **DNS Server.**
 - **DHCP Host** (Recommend "school name alert").
4. Click the **OK** button (The screen will refresh to the reboot screen).





Phoenix Bell & Intercom - Alerts

- Click the **Reboot** link.
- Re-open the BarioNet in the web browser using the new IP address.
- Click the **Configure** button (not shown).

BARIX™ BARIONET DEVICE CONFIGURATION

THINK FURTHER
SETTINGS | DEFAULTS | REBOOT | UPDATE | APPLICATION SETUP | HOME

Settings saved. To activate, please reboot unit!

[Reboot](#) ←

Help

IP Address
Enter the 4 values of the desired device IP address e.g.
"0.0.0.0" for automatic discovery (DHCP) (Pico™, AutoIP)
"192.168.0.12" for a static IP address.

Netmask
Enter the 4 values of the desired netmask e.g.
"0.0.0.0" will use the standard netmask matching the IP address
"255.0.0.0" for a class A network
"255.255.0.0" for a class B network
"255.255.255.0" for a class C network.

Gateway IP Address
Enter the 4 values of the desired Gateway IP address e.g.
"0.0.0.0" for no Gateway
"192.168.0.1" for a specific Gateway in order to access the Internet or a WAN

DNS Server IP Address
Enter the 4 values of the desired Domain Name Server IP address to enable URL domain name to IP address look up e.g.
"0.0.0.0" for no DNS Server
"192.168.0.1" for a reachable DNS Server

DHCP Host Name
Name of the device sent in DHCP request. If left empty, a name based on the device's MAC address is generated automatically (a "C" followed by the last 6 digits of the MAC address, e.g. "C5041B5"). Enter up to 15 Characters.

- Click the **Control** tab.

BARIX™ BARIONET DEVICE CONFIGURATION

THINK FURTHER
SETTINGS | DEFAULTS | REBOOT | UPDATE | APPLICATION SETUP | HOME

SETTINGS

NETWORK: SERIAL | IP | CONTROL | SNMP | TIME | TEMP | SECURITY

IP Address: 10 -110 -0 -9 (0.0.0.0 for DHCP)

Netmask: 255 -255 -0 -0 (0.0.0.0 + default)

Gateway: 10 -110 -0 -1 (0.0.0.0 for no gateway)

DNS Server: 10 -110 -0 -1 (0.0.0.0 for none)

DHCP Hostname: Peoria-Trigger

OK Cancel

Help

IP Address
Enter the 4 values of the desired device IP address e.g.
"0.0.0.0" for automatic discovery (DHCP) (Pico™, AutoIP)
"192.168.0.12" for a static IP address.

Netmask
Enter the 4 values of the desired netmask e.g.
"0.0.0.0" will use the standard netmask matching the IP address
"255.0.0.0" for a class A network
"255.255.0.0" for a class B network
"255.255.255.0" for a class C network.

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Enter the 4 values of the desired Gateway IP address e.g.
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Enter the 4 values of the desired Domain Name Server IP address to enable URL domain name to IP address look up e.g.
"0.0.0.0" for no DNS Server
"192.168.0.1" for a reachable DNS Server

DHCP Host Name
Name of the device sent in DHCP request. If left empty, a name based on the device's MAC address is generated automatically (a "C" followed by the last 6 digits of the MAC address, e.g. "C5041B5"). Enter up to 15 Characters.

- Type and/or verify the following data in the following fields:

- UDP command port = 12302.**
- TCP command port = 12302.**
- TCP initial I/O state subscriptions = Local I/O.**
- TCP add I/O state subscriptions = With getio/setio.**

- Click **OK**.

BARIX™ BARIONET DEVICE CONFIGURATION

THINK FURTHER
SETTINGS | DEFAULTS | REBOOT | UPDATE | APPLICATION SETUP | HOME

SETTINGS

SETTINGS: GENERAL | SERIAL | IP | CONTROL | SNMP | TIME | TEMP | SECURITY

GENERAL

WEB server port: 80

BCL Program Name: []

Lockdown mode: []

Modbus/TCP timeout: 0 seconds

COMMAND API

UDP command port: 12302

TCP command port: 12302 Timeout: 0 seconds

I/O STATE INFO

UDP info send to: 0 - 0 - 0 - 0 (0.0.0.0 for no info)

UDP destination port: 0

UDP interval: 0 seconds

TCP initial I/O state subscriptions: Local I/O

TCP add I/O state subscriptions: With getio/setio

SYNLOG

Synlog Server: 0 - 0 - 0 - 0

Synlog Debug Level: 1

OK Cancel

Help

GENERAL

WEB server port
Defines the webserver port of the device.
If set to "0" (invalid port) the default HTTP port (80) is used.
Default: "80"

BCL Program Name
Enter the name (up to 3 characters without extension ".bak") of the BCL application to be started at power on or after reboot.
If left empty the default BCL application (barionet.tok) is started.
Default:

Lockdown mode
Locks different protocol access to the device (command port, web access etc.). See manual for details.
If set to "0" all access is granted.
Default: "0"

Modbus/TCP Timeout
Defines the time in seconds after which a Modbus/TCP connection on port 502 will be closed due to inactivity.
Enter "0" for no timeout (default).
Enter "1" to "255" to enable the Timeout.

COMMAND API
The Barionet features a Command API, which can be accessed via UDP as well as via TCP

UDP command port
UDP port for the command API. Value "0" disables the UDP command API.
Barix uses the port "12301" on other products.
Default: "0"

TCP command port
TCP port for the command API. Value "0" disables the TCP command API.
Barix uses "12302" on other products.
Default: "0"

Timeout
After the defined number of seconds of inactivity on the TCP command port, the Barionet automatically disconnects the peer.
Enter a value "1" to "255" to enable the timeout.
Enter "0" for no timeout (default).

I/O STATE INFO
The Barionet can be configured to send I/O state change information via UDP and TCP. Cyclic state reports via UDP can be configured as well.

UDP info send to
Input the 4 values of the desired destination IP address where the I/O state change



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11. Click the **Reboot** link.
12. Close this page, the BarioNet is configured.
13. Connect the appropriate wires to I/O 1 and or I/O 2.

The screenshot shows the 'BARIX™ BARIONET DEVICE CONFIGURATION' interface. At the top, there is a navigation menu with 'SETTINGS', 'DEFAULTS', 'REBOOT', 'UPDATE', 'APPLICATION SETUP', and 'HOME'. Below the menu, a message states 'Settings saved. To activate, please reboot unit!'. A red arrow points to a blue 'Reboot' link. On the right side, there is a 'Help' section with instructions for IP Address, Netmask, Gateway IP Address, DNS Server IP Address, and DHCP Host Name.

BARIX™ BARIONET DEVICE CONFIGURATION

THINK FURTHER

SETTINGS | DEFAULTS | **REBOOT** | UPDATE | APPLICATION SETUP | HOME

Settings saved. To activate, please reboot unit!

[Reboot](#)

Help

IP Address
Enter the 4 values of the desired device IP address e.g.
"0.0.0.0" for automatic discovery (DHCP) (Presto™ AutoIP)
"192.168.0.12" for a static IP address.

Netmask
Enter the 4 values of the desired netmask e.g.:
"0.0.0.0" will use the standard netmask matching the IP address
"255.0.0.0" for a class A network
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"255.255.255.0" for a class C network.

Gateway IP Address
Enter the 4 values of the desired Gateway IP address e.g.:
"0.0.0.0" for no Gateway
"192.168.0.1" for a specific Gateway in order to access the Internet or a WAN

DNS Server IP Address
Enter the 4 values of the desired Domain Name Server IP address to enable URL domain name to IP address look-up e.g.
"0.0.0.0" for no DNS Server
"192.168.0.1" for a reachable DNS Server

DHCP Host Name
Name of the device sent in DHCP request. If left empty, a name based on the device's MAC address is generated automatically (a "C" followed by the last 6 digits of the MAC address, e.g. "CS041BS"). Enter up to 15 Characters.

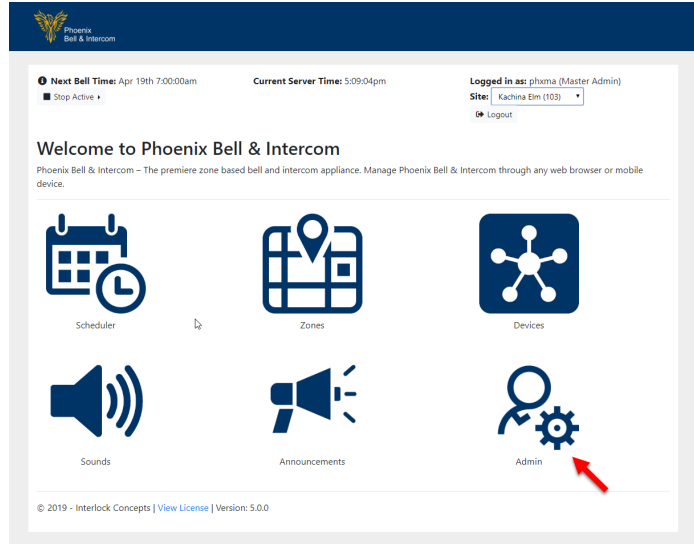


ADDING A DEVICE (BARIX BARIONET)

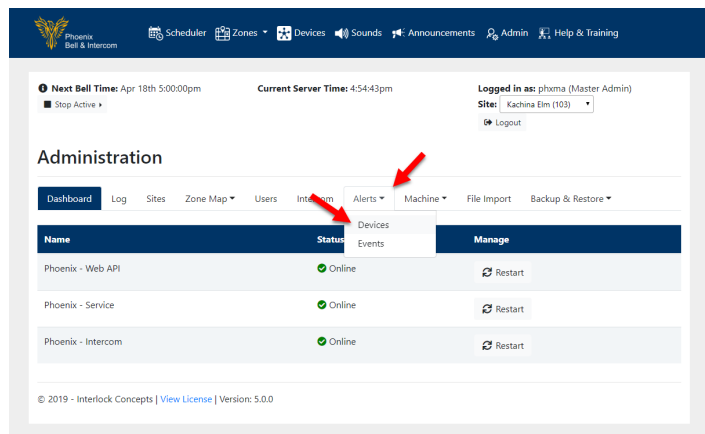
In this section, the reader will add the BarioNet device to the Alert section of the Phoenix Bell and Intercom software. The instructions assume I/O 1 is connected to the momentary button in the building.

Note: When multiple school are available, this process must be completed for each school.

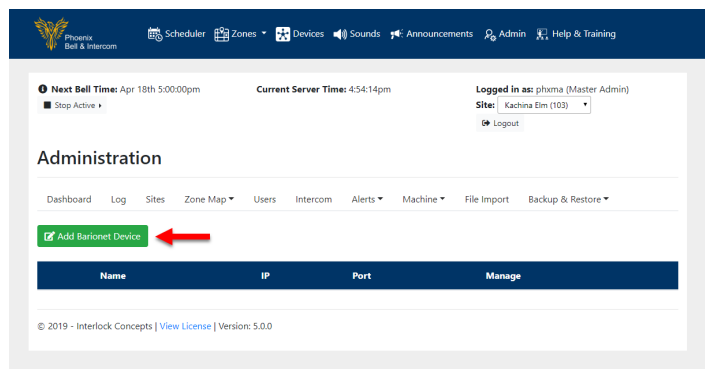
1. Log into Phoenix Bell & Intercom.
2. Click the **Admin** icon.



3. Click the **Alerts** tab.
4. Select **Devices**.



5. Click **Add BarioNet Device**.





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6. In the **Name** field, type a friendly name for the device, e.g. Kachina Elm Alert
7. In the **IP** field, type the IP of the BarioNet
8. Verify the **Port** field is set to 12302
9. Click the **Submit** button.

Phoenix Bell & Intercom Administration

Next Bell Time: Apr 19th 7:00:00am | Current Server Time: 5:16:25pm | Logged in as: phama (Master Admin)

Stop Active | Site: Kachina Elm (103) | Logout

Administration

Dashboard | Log | Sites | Zone Map | Users | Intercom | Alerts | Machine | File Import | Backup & Restore

Add Barionet Device

Name:

IP:

Port:

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ADDING AN ALERT EVENT

In this section the reader will add an Alert Event to Phoenix Bell and Intercom using the BarioNet. Once the Alert Event has been added, the reader will add the main and post even steps to be executed.

1. Click the **Alerts** tab.
2. Select **Events**.

Phoenix Bell & Intercom Administration

Next Bell Time: Apr 19th 1:00:00pm | Current Server Time: 1:00:13pm | Logged in as: phama (Master Admin)

Stop Active | Site: Kachina Elm (103) | Logout

Administration

Dashboard | Log | Sites | Zone Map | Users | Intercom | Alerts | Machine | File Import | Backup & Restore

Alerts | Devices | Events

Name	IP	Port	Manage
Kachina Elm Alert	10.10.0.9	12302	<input type="button" value="OC"/>

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3. Click the **Add Event** button.

Phoenix Bell & Intercom Administration

Next Bell Time: Apr 19th 2:00:00pm | Current Server Time: 1:01:36pm | Logged in as: phama (Master Admin)

Stop Active | Site: Kachina Elm (103) | Logout

Administration

Dashboard | Log | Sites | Zone Map | Users | Intercom | Alerts | Machine | File Import | Backup & Restore

Name	Device	Input	Extension	Manage
------	--------	-------	-----------	--------

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- In the **Name** field, type the name for the event.
- In the **Device** field, choose the device (BarioNet device added in steps 5 -9).
- In the **Input** field, type the input the BarioNet is wired to (typically 1 or 2).
- In the **Action Type** field, select= Stop when input is deactivated (momentary button).
- In the **Extension** field, type the extension (starting with "9") assigned to this alert.
- Click the **Submit** button.

Phoenix Bell & Intercom Administration

Next Bell Time: Apr 19th 3:00:00pm | Current Server Time: 2:43:51pm | Logged in as: phma (Master Admin) | Site: Kachina Elm (103) | Logout

Administration: Dashboard, Log, Sites, Zone Map, Users, Intercom, Alerts, Machine, File Import, Backup & Restore

Add Event

Name:

Device:

Input:

Action Type:

Extension:

Not required, but can only play from web interface if left at 9. If inputted, must keep leading 9 and follow with 3 numbers. Example: 9001

Next, the steps of the event will be added to both the Main and Post Alert tabs. In this example when executed, the relay will close, an audio file will play, pause, then replay the audio file. This will continue until the Lockdown is stopped. Upon stopping the Lockdown, the relay will open.

- Click the **Settings Cog**.
- Select **Manage Steps**.

Phoenix Bell & Intercom Administration

Next Bell Time: Apr 19th 4:00:00pm | Current Server Time: 3:09:22pm | Logged in as: phma (Master Admin) | Site: Kachina Elm (103) | Logout

Administration: Dashboard, Log, Sites, Zone Map, Users, Intercom, Alerts, Machine, File Import, Backup & Restore

Name	Device	Input	Extension	Manage
Kachina Lockdown	Kachina Elm Alert	1	9999	<input type="button" value="Settings Cog"/> <ul style="list-style-type: none"> Edit Delete Execute Manage Steps

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Main Tab

- Click the **Add Step** button.

Phoenix Bell & Intercom Administration

Next Bell Time: Apr 19th 4:00:00pm | Current Server Time: 3:12:40pm | Logged in as: phma (Master Admin) | Site: Kachina Elm (103) | Logout

Administration: Dashboard, Log, Sites, Zone Map, Users, Intercom, Alerts, Machine, File Import, Backup & Restore

Steps for: Kachina Lockdown

← Back Execute

Main Post-Alert

Step	Type	Sound	Command	Duration	To Step	Manage
------	------	-------	---------	----------	---------	--------

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13. In the **Order Type** field, verify **Main** is selected.
14. In the **Command Type** field, select **Send Barix Command** (Note: Additional fields will appear).
15. In the **Build Command** field, select **Close**.
16. In the second **Build Command** field, select **Relay 1**.
17. Verify the **Barix Command** field reads **setio,1,1**.
18. Click the **Submit** button.

Phoenix Bell & Intercom Administration interface. The page shows the 'Add Step to: Kachina Lockdown' configuration form. The fields are as follows:

- Order Type: Main
- Command Type: Send Barix Command
- Build Command: Close
- Relay 1: Relay 1
- Barix Command: setio,1,1

Buttons: Submit, Cancel

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Main Tab

19. Click the **Add Step** button.

Phoenix Bell & Intercom Administration interface. The page shows the 'Steps for: Kachina Lockdown' configuration page. A table lists the steps:

Step	Type	Sound	Command	Duration	To Step	Manage
1	Send Barix Command	N/A	setio,1,1	N/A	N/A	⊞

Buttons: Add Step, Execute

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20. In the **Order Type** field, verify **Main** is selected
21. In the **Command Type** field, select **Play Sound File** (Note: Additional fields will appear).
22. In the **Zone** field, select **All Call**.
23. In the second **Sound** field, select **emergency-lockdown.wav**.
24. Click the **Submit** button.

Phoenix Bell & Intercom Administration interface. The page shows the 'Add Step to: Kachina Lockdown' configuration form. The fields are as follows:

- Order Type: Main
- Command Type: Play Sound File
- Zone: Kachina Elm] All Call
- Sound: emergency-lockdown.wav

Buttons: Submit, Cancel

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Phoenix Bell & Intercom - Alerts

Main Tab

25. Click the **Add Step** button.

Next Bell Time: Apr 22nd 7:00:00am | Current Server Time: 8:28:34am | Logged in as: phoma (Master Admin) | Site: Kachina Elm (103) | Logout

Administration

Dashboard | Log | Sites | Zone Map | Users | Intercom | Alerts | Machine | File Import | Backup & Restore

Steps for: Kachina Lockdown

← Back | **Add Step** | ▶ Execute

Main | Post-Alert

Step	Type	Sound	Command	Duration	To Step	Manage
1	Send Barix Command	N/A	setio,1,1	N/A	N/A	🔊 - ↑
2	Play Sound File	emergency-lockdown.wav	N/A	12 second(s)	N/A	🔊 - ↑

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26. In the **Order Type** field, verify **Main** is selected.

27. In the **Command Type** field, select **Sleep**
(Note: Additional fields will appear).

28. In the **Sleep Duration** field, type **10**.

29. Click the **Submit** button.

Next Bell Time: Apr 22nd 7:00:00am | Current Server Time: 8:31:12am | Logged in as: phoma (Master Admin) | Site: Kachina Elm (103) | Logout

Administration

Dashboard | Log | Sites | Zone Map | Users | Intercom | Alerts | Machine | File Import | Backup & Restore

Add Step to: Kachina Lockdown

Order Type: Main

Command Type: Sleep

Sleep Duration: 10

Submit | Cancel

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Main Tab

30. Click the **Add Step** button.

Next Bell Time: Apr 22nd 7:00:00am | Current Server Time: 8:32:32am | Logged in as: phoma (Master Admin) | Site: Kachina Elm (103) | Logout

Administration

Dashboard | Log | Sites | Zone Map | Users | Intercom | Alerts | Machine | File Import | Backup & Restore

Steps for: Kachina Lockdown

← Back | **Add Step** | ▶ Execute

Main | Post-Alert

Step	Type	Sound	Command	Duration	To Step	Manage
1	Send Barix Command	N/A	setio,1,1	N/A	N/A	🔊 - ↑
2	Play Sound File	emergency-lockdown.wav	N/A	12 second(s)	N/A	🔊 - ↑
3	Sleep	N/A	N/A	10 second(s)	N/A	🔊 - ↑

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31. In the **Order Type** field, verify **Main** is selected.
32. In the **Command Type** field, select **Go to Step** (Note: Additional fields will appear).
33. In the **Go to Step** field, select **2 - Play Sound File**.
34. Click the **Submit** button.

Phoenix Bell & Intercom Administration interface. The page shows the 'Add Step to: Kachina Lockdown' configuration. The 'Order Type' is set to 'Main', 'Command Type' is 'Go to Step', and 'Go to Step' is '2 - Play Sound File'. The 'Submit' button is highlighted.

Post-Alert Tab

35. Click the **Add Step** button.

Phoenix Bell & Intercom Administration interface. The page shows the 'Steps for: Kachina Lockdown' configuration. The 'Add Step' button is highlighted with a red arrow.

Step	Type	Sound	Command	Duration	To Step	Manage
	Main					
	Post-Alert					

36. In the **Order Type** field, verify **Post-Alert** is selected.
37. In the **Command Type** field, select **Send Barix Command** (Note: Additional fields will appear).
38. In the **Build Command** field, select **Open**.
39. In the second **Build Command** field, select **Relay 1**.
40. Verify the **Barix Command** field reads **setio,1,0**.
41. Click the **Submit** button.

Phoenix Bell & Intercom Administration interface. The page shows the 'Add Step to: Kachina Lockdown' configuration. The 'Order Type' is set to 'Post-Alert', 'Command Type' is 'Send Barix Command', 'Build Command' is 'Open', and 'Barix Command' is 'setio,1,0'. The 'Submit' button is highlighted.



TESTING THE ALERT

The Alert may be triggered using three methods:

- Momentary button.
- Bat Phone – Dial the Assigned Extension.
- Phoenix Bell & Intercom User Interface.

This second will step the reader through the three methods.

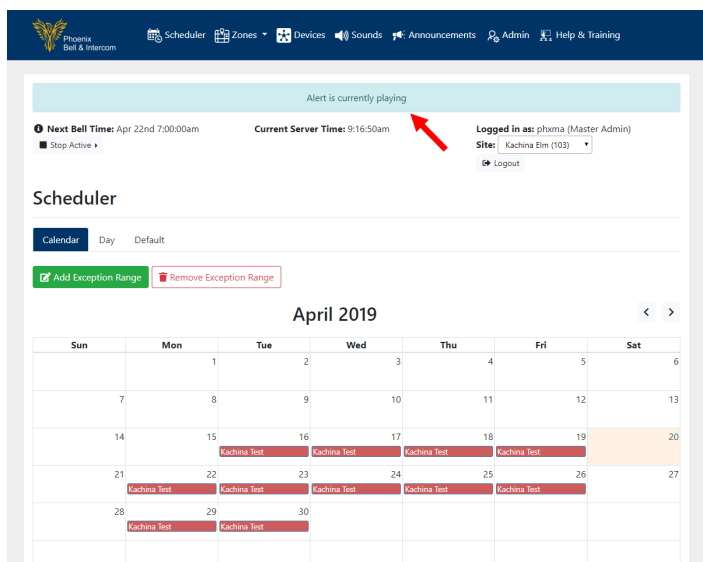
Note:

When the button is triggered, the audio fill play throughout the school.

If the Phoenix Bell & Intercom UI is open, an Alert Banner will show across the screen.

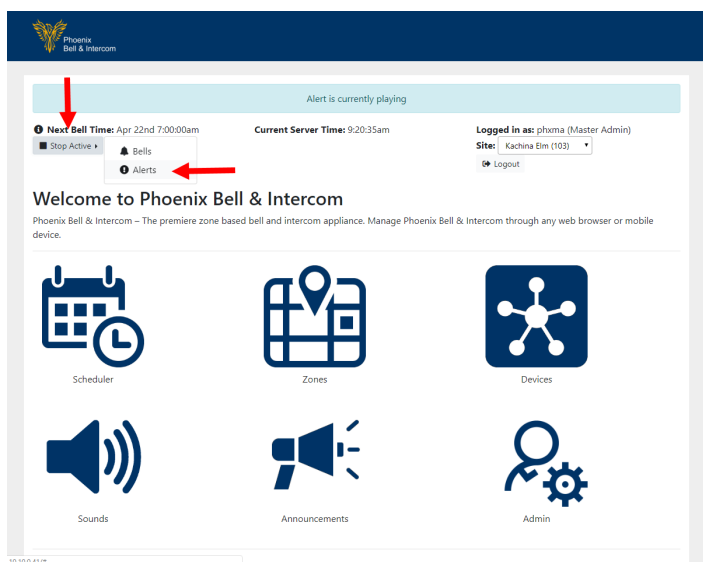
EXAMPLE – BUTTON TRIGGER

1. Trigger the Momentary button.
2. Stop the Alert by changing the state of the button (Place in the Off state).



EXAMPLE – TRIGGER FROM BAT PHONE

1. Dial the **extension** assigned to the Alert.
2. Stop the Alert by **dialing** the **extension** again or Click the **Stop Active** button.
3. Select **Alerts**.





EXAMPLE – TRIGGER FROM UI

1. Trigger the Alert by clicking the Execute link in the admin area.
2. Click **Alert**.
3. Select **Events**.
4. Click the **Setting Cog**.
5. Select **Execute**.
6. Stop the Alert by clicking the **Stop Active** button.
7. Select **Alerts**.

