

# Displays | Tablets | Solutions

# FlashCast User Manual v1.2.9

https://flashcast.mimomonitors.com/

https://www.mimomonitors.com/products/mimo-flashcast



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## QuickStart Guide

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# What's in the Box

Inside the box

- FlashCast unit
- HDMI Cable





- Network In Ethernet Cat5 100 Base-T. Connection to the internet required. Dynamic Host Configuration Protocol (DHCP) required. If a fixed IP is needed, this should be configured on the router linked to the mac address
  - This port is 802.3af PoE compliant. This is the only method to power FlashCast
- HDMI In This is the source side that is normally connected to the display. Disconnect it to the display and connect it here
- Power Good LED This LED is lit if the power is being provided from PoE. This LED indicates no other function other than PoE power
- System Good LED This light will be lit once the system is fully booted and active.



- HDMI Out This should be connected to the display, projector, smartboard, etc that is the display for the source connected to the input
- Input Button 3.5mm jack At this time, this connector has no function and is reserved for future use
- Reset recessed button Pushing this will cause a full system reset and reboot.



## Install Diagram

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# Configurations

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# Creating your account

If you are the IT administrator or equivalent then Mimo will send you an email to setup your account to the email you have designated to be the administrator account. If you are not the company administrator, your administrator will need to create an account for you.

You will receive a verification email from donotreply@mimomonitors.com, check your spam folder in case it's there.

Please note, you need to use a Microsoft account to login to FlashCast at this time.

Account creation for the Organization Administrator will look like this:



Organization Admin Enrollmen	Ł
Organization Name	
TomCo	
Admin Name	
Enter your name	
Organization Admin Email	
FlashCastDemo@outlook.com	
Phone Number	
Enter phone number	
Address	
Enter Address	
Enroll	

Fill in fields with your company contact information.



# Setting Up FlashCast

To install and power your FlashCast device:

- Connect the HDMI OUT port to the input of your display device (e.g., monitor, projector).
- Connect the HDMI IN port to your content source (e.g., signage player, media server).
- Connect an Ethernet cable that supplies PoE (802.3af minimum) to the LAN + PoE port.

Once all connections are made, the Power LED will illuminate to indicate the device is powered.

### Booting Up the FlashCast Device

Upon powering the FlashCast device:

- The Power LED turns on while the display remains black.
- Ethernet lights activate, indicating a network connection.
- Your display turns on and shows current video content.
- A yellow bar appears at the bottom of the screen to indicate booting status.



System Boot Complete Checking State of Network and Connection



• A second yellow message may appear during cloud connection setup. This is normal.



IP Network Up Still Establishing Cloud Connection

- If registered, the FlashCast logo will briefly display before content resumes. This will disappear after 60 seconds. This is so you know the device has booted properly.
- If however, this screen is shown, then this device is not yet registered to the Cloud. Please see the next section <u>Registering Device</u>





NOTE: If the device has missed messages while being powered off, it will cycle through them until it hits the most current one, this can take some time depending on how long the device was powered down.

### Registering the Device

- 1. Power on the display and switch to the HDMI input for the FlashCast device.
- 2. Wait for the screen to show the Device ID and Device Code. DeviceID will be the same as the Serial Number on the bottom of the device. Note: Both are case-sensitive.

🕠 🕐 Media Player		- 0
	New device detected Device needs to be enrolled on FlashCast portal Please use your login to enroll device at https://flashcast.mimomonitors.com A and use Device Code: ABCDEFGHJKLM B And Device ID: G&7Fi	
	Sarr	

3. Go to https://flashcast.mimomonitors.com and login to your account



4. Navigate to the 'Device Setup' tab.

	Device Set Up			
Dashboard	Device ID E	Choose Group (optional)		
Device Management	Enter Device ID	Search	Q	
Alerts	Device Code F	Select All V TomCo		
Users     Device Set Up	Enter Device Code			
Srd Party Integration				
			H Add	
	Device ID 🗘 Device Name 🗘 Groups 🗘		loT Agent Version ≎	Firmware Version ≎
문 Logout				

- 5. Enter the Device ID (printed on the device) and the Device Code (changes every 5 minutes)
- 6. (Optional) Select a Group to assign the device to
- 7. Click 'Add'. The device will appear in your dashboard and display a confirmation message.



After the device is registered, you will see this screen. It will automatically revert to operation mode in 15 seconds. So long as the device is not deregistered, users should only see this screen once.





# Using the Dashboard

The FlashCast dashboard provides an overview of your organization's devices, alerts, and user activity.

- View current active alerts and devices.
- Identify alerts pending admin approval.
- Monitor device connectivity status.

	Dashboard
<ul> <li>Dashboard</li> <li>Device Management</li> <li>Alerts</li> </ul>	Alerts
<ul> <li>Users</li> <li>Device Set Up</li> <li>3rd Party Integration</li> </ul>	0       0         Active high severity alerts       Alerts that need approval         → View the active alerts       → Approve the alerts
B	Device Management
	Offline Devices



# Device Management

### Managing Groups

Groups are the primary way to alert, organize, and manage all devices.

- Groups are in a hierarchical structure and multiple subgroups can be made under existing groups/subgroups.
- Devices can be in more than one group/subgroup.
- When a group is selected for an Alert, all subgroups under that group and devices in them will also be alerted.
- Groups are beneficial in this way since a large number of devices can be quickly notified of a critical alert.

Groups are also important for organizations with multiple admins and users.

- Admins and users can be granted access only to specific groups for better role-based control.
- Large organizations with multiple locations can ensure that users in a single location will only be able to alert local devices.

	see what devic						
Device Management				(	Assign Devices to Gro	oup + Creat	e Group
Search for devices (case sensitive)	Q						
«	Device Name 💲	Device Id 🗘	Status 🗘	loT Agent/Application Version ☆	Firmware/Android Version 🛟	Device Type 🗘	
Mimo Monitors     Mimo Libertyville DUT	Princeton			v		Hardware	:
<ul> <li>Y Tami Test</li> </ul>	□ MZNNF24069508	MZNNF24069508	• Offline	1.0.3	1.2.6	Hardware	: -
✓ Engineering	□ MZNNF24069509	MZNNF24069509	• Offline	1.0.3	1.2.6	Hardware	:
✓ David Desktop	□ MZNNF24073603	MZNNF24073603	• Offline	1.0.3	1.2.6	Hardware	: -
<ul> <li>Princeton</li> <li>Observation</li> </ul>	DLS Test					Hardware	:
Singlewire Test Group     Bob's Demo Group	OMYNNF24129313	MYNNF24129313	• Offline	1.0.3	1.2.6	Hardware	: -
<ul> <li>✓ TestingScreen</li> </ul>	O MYNNF24129314	MYNNF24129314	• Offline	1.0.3	1.1.8	Hardware	:
✓ ISE 2025	O MYNNF24129312	MYNNF24129312	• Offline	1.0.3	1.1.8	Hardware	: -
<ul> <li>FETC 2025 15"</li> </ul>	C MZNNF24073606	MZNNF24073606	• Offline	1.0.3	1.2.6	Hardware	
V DLS Test	DIDEA CON					Hardware	: -
* IDEA CON							·

View your groups here and see what devices are in those groups here

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Item per page

 $\langle \rangle$ 



The information on this page is

- Device Name Friendly name, can be modified with 'edit'
- Device Id Hardware ID (serial number) and can not be modified
- Status Is the unit currently online or offline
- IoT Agent/Application Version Firmware version of the hardware IOT Agent
- Firmware/Android Version Firmware Version of the FlashCast code.
- Device Type 'Hardware' means FlashCast hardware. 'Android Tablet' is a software solution to push alerts to Android devices.

Dashboard	Device Management	t		Assi	gn Devices to Group	+ Create Group A
Device Management	Search for devices (case ser	nsit C	ξ			
Alerts		~	Devices 🗘	Status 🛟	IoT Agent Version 💲	Firmware Version 💲
Device Set Up	✓ TomCo	✓ TomCo ✓ SubGroup 1	🗆 TomCo 🛛 🕨			
P 3rd Party Integration	✓ SubGroup 1		□ MZNNF24069511	<ul><li>Online</li></ul>	1.0.0	1.0.0
			□ MZNNF24069511	<ul> <li>Online</li> </ul>	1.0.0	1.0.0
	Item per 10 V P	Page <b>1 of</b>	1			< >

### Create A Group

To create a group,

- 1. click "+ Create Group" (A)
- 2. Enter a name for the group
- 3. (Optional) Assign the new group to an existing group to create a hierarchy
- 4. Click "Submit"

#### Assign Devices to Group (B)

- 1. Click on Assign Devices to Group
- 2. Select what group the devices belong to



- 3. Select the devices to assign to that group
- 4. Click "Submit"

#### Managing Devices

- 1. Select the device you wish to manage
- 2. Click on the 3 dots
- 3. Clicking "Edit" allows the 'Device Name' column to be a more descriptive name. The 'Device id' is not editable.
  - a. (Note) The Device must be online to do this

Edit Device Name	×
Device Name	
Device 1	

- Cancel
- 4. Clicking "Delete" to **deregister** a device from the organization. It will then need to be re-enrolled. Please see the 'Register a Device' section.
  - a. (Note) The Device must be online to do this
- 5. Clicking "Unassign" will remove the device from the group, but not the organization

'NNF24069511	• Offline	1.0.0	1.1.6	• • •
				Edit
				Unassign
				Delete



# Alerts

Alerts are the most important part of FlashCast. They get the information to the viewer quickly. Alerts have a variety of templates to use depending on the severity and type of information being broadcasted. Below goes over what these templates are, what they are recommended for, and how the information will be displayed to the viewer.

Alerts Menu:

	Alerts	Search for alert	Q Alerts Needing Approval B	Create Alert
Device Management	Alerts actions	Refresh Alerts C		
Alerts	Select status	Select severity V Select source	e 🗸 Select group 🗸 F	:
Device Set Up	Status ≎ Severity ≎	Source 🛟 🛛 Alert Message 🗘	Time Left 🗘	) Groups 🗘
	E Live High	MAN This Is A Full Screer	ı Alert!	TomCo D:
	Past Medium	MAN This Ticker Text Is S	crolling	TomCo
	Item per	Page <b>1 of 1</b>		< 1
Logout	page			

#### A: See Creating an Alert

- **B:** Approve Alerts
- C: Refresh Alerts: This will refresh the table of active alerts (E)
- D: Click to End Alert.

E: Table of current and past Alerts. See what is currently active and what was active previously. It will also who what groups the Alert is active on.

F: Drop downs for sorting the table (E) See <u>Dropdown Menus</u> Screen before:



### Creating an Alert

1. Select a template

Emergency, take over screen: This alert will take over the entire screen and show whatever information is typed into the "Write Alert Message" box. Nothing else will be displayed on the screen except the alert and graphic. This can only be cleared by clearing the alert on the cloud site (See Clearing Alert)



05/06/25



Emergency, left side icon:

🗄 🔎 Type here to search 🛛 💉 🙀 🚱 🌀

This alert is for conveying important information but not something that requires a full screen takeover. This message will display in the corner and flash. It will always have the "Emergency Alert" text and then whatever is written in "Write Alert Message" box will be below that where "Lower Left Emergency Icon" is shown below.





Non-Emergency ticker scrolling by:

With this template, this alert text will scroll by. This message can be a max of 2100 characters long. The ticker will loop the text.

♥         ●         New Tab         ×         +           ←         →         G         G		- ອ × ★) ນີ∣ ⊗ i Gmail Images Д_ III
	Google	
	Q Search Google or type a URL	
	https://doud Vweb store Add shortout	





2. (Optional) Set start and end dates/times and time zone.



A: Send the Alert Now (optional) This will send the alert to all devices selected immediately and overwrite any current alerts on those devices.

B: Start Date: If not starting immediately, set a start date for an alert.

C: End Date: If not starting immediately, set a date for the alert to end



D: Times: If not started immediately, set start and end times as well as a time zone.

E: Severity Level: This is for non-emergency only. Choose if it's a Low or Medium Alert to get out.

F: Alert Message: This is where text for the Alert message goes. Text will be displayed based on the Alert suggested.

G: Preview Area: This is the preview area where the Alert text will be displayed.

3. Select Groups:



b. Once you click Create it will go out.



### Ending An Alert

	Alerts		Sear	ch for alert Q	Alerts Needing Approva	O () Cre	ate Alert
<ul> <li>Dashboard</li> <li>Device Management</li> </ul>	Alerts ac	tions	Refresh Alerts	A			
Alerts Users	Select statu	s 🗸	Select severity	✓ Select source ✓	Select group 🗸 🗸		
Device Set Up	Status 🗘	Severity 🗘	Source 🗘	Alert Message 💲	Time Left 🔇	; Groups 🗘	
3rd Party Integration	• Live	High	MAN	This Is A Full Screen Alert!		TomCo	:
	Past	Medium	MAN	This Ticker Text Is Scrolling		TomCo	End
Logout	ltem per page	10 🗸	Page <b>1 of 1</b>				< 7

To End an Alert, first click Refresh Alerts (A). Next Press on the 3 Dots (B) and Click End.

### Dropdown Menus:

1. Select status





2. Select Severity:



- 3. Select Source: Filter Alerts by the Sources
- 4. Select Group: Filter Alert list by the Groups

### Approve Alerts

Approve Alerts Alerts > Approve Alerts			Deny All	Approve All
Digital Alert Systems	Flood Warning issued (FLS)	Start Time: 2024-09-27 22:09:00	~	Deny
Digital Alert Systems	Flood Warning issued (FLS)	Start Time: 2024-09-27 22:09:00	$\checkmark$	Deny
Digital Alert Systems	Flood Warning issued (FLS)	Start Time: 2024-09-27 23:05:00	$\checkmark$	Deny
Digital Alert Systems	Flood Warning issued (FLS)	Start Time: 2024-09-27 23:05:00	$\checkmark$	Deny
Digital Alert Systems	Flood Warning issued (FLS)	Start Time: 2024-09-30 11:39:00	$\checkmark$	Deny



Go to Alerts Needing Approval. An admin can approve these Alerts and push them to devices. These will then show up as Live alerts on the group they are pushed to. These can also be denied if they are not needed anymore.



# Quick Alerts & Special Trigger Alerts

The "Quick Alerts" feature of the Mimo FlashCast Visual Alert Overlay enables users to disseminate pre-configured alert messages swiftly and efficiently across all or any connected displays. This functionality is particularly valuable in situations requiring immediate communication, such as emergency notifications, weather warnings, or urgent announcements. By allowing users to send alerts with just two simple clicks—selecting the desired alert and confirming the action—Quick Alerts ensures that critical information reaches the intended audience without delay.

To utilize Quick Alerts, administrators first create and store a set of predefined messages within the FlashCast system. Quick Alerts is a button on the Alerts page of the FlashCast web portal

Alerts			Search for alert	Q Quick Alerts Alerts Needing A	pproval Create Alert			
Alerts actions Refresh Alerts								
Select status 🗸 🗸	Select s	everity 🗸	Select source 🗸	Select group 🗸 🗸				
Status 🗘	Severity 🗘	Source 🗘	Alert Message 💲	Time Left 💲	Groups 🗘			
Partially Live	High	MAN	Stay in Place Emergency: There		Mimo Monitors			
Failed	Medium	DAS	The National Weather Service h		Mimo Monitors			
Failed	High	MAN	Evacuation Emergency There is		Mimo Monitors			

Clicking the Quick Alerts button opens the Quick Alerts page

Quick Alerts		+ Conf	gure Another Alert
Alerts / Quick Alerts Configuration	1		
Evacuate	Alert Message: Evacuation Emergency There is / Severity: High / Groups (1) / Fullscreen	$\sim$	Û
Stay in Place	Alert Message: Stay in Place Emergency: There / Severity: High / Groups (1) / Fullscreen	$\sim$	Ū

### Using a pre-configured Quick Alert

These messages can be tailored to address various scenarios, ensuring relevance and clarity during dissemination. When the need arises, the user accesses the Quick Alerts interface, selects the appropriate message from the list, and confirms the transmission. The system then instantly overlays the alert onto all connected displays, ensuring immediate visibility. This streamlined process minimizes the time required to communicate vital information, enhancing the overall responsiveness of the organization's communication strategy during an emergency.



First, select the appropriate quick alert button that communicates the desired message. In the below example, click 'Evacuate'

Quick Alerts		+ Cont	igure Another Alert
Alerts / Quick Alerts Configuration	1		
Evacuate	Alert Message: Evacuation Emergency There is / Severity: High / Groups (1) / Fullscreen	$\sim$	Ū
Stay in Place	Alert Message: Stay in Place Emergency: There / Severity: High / Groups (1) / Fullscreen	$\checkmark$	Ū

#### You will then be presented with a confirmation message

) Jeons	Quick Alerts Alerts / Quick Alerts Configuration	+ 0	Configure Another Alert
igement	Evacuate       Alert Message: Evacuation Emergency There is / Severity: High / Groups (1) / Fullscreen         Stay in Place       Alert Message: Stay in Place Emergency: There / Severity: High / Groups (1) / Fullscreen	~	Û
egration	Confirm Send Alert Are you sure you want to send this alert?	×	<
L		ancel Send	

Click 'Send' and the pre-configured message will be sent immediately

By integrating Quick Alerts into your communication protocols, organizations can maintain a high level of preparedness and agility. The ability to rapidly deploy critical messages across multiple displays ensures that audiences are promptly informed, which is essential for safety, compliance, and operational efficiency. This feature exemplifies FlashCast's commitment to providing seamless, real-time communication solutions that adapt to the dynamic needs of modern environments.

### Creating a pre-configured Quick Alert

 First click 'Configure Another Alert' button

 Quick Alerts

 Alerts / Quick Alerts Configuration

 Evacuate
 Alert Message: Evacuation Emergency There is ... / Severity: High / Groups (1) / Fullscreen

Alert Message: Stay in Place Emergency: There... / Severity: High / Groups (1) / Fullscreen

Stay in Place

 $\sim$ 

+ Configure Another Alert

⑪

俞



#### You will then get the following screen

Quick Alerts				
Alerts / Quick Alerts Configuration				
Alert Title				
Enter Alert Title				
Character Limit: 0/25 characters				
Select Severity				
Select Severity			~	
Send Alerts to Group(s)				
Select Value			Q	
Select All				
✓ □ Mimo Monitors				
Alert Message				
Choose Template				
WARNING Tormado Indoxind 3 00PA-6	WARNING Tomado inbound 3.00PM-6.00PM.	WARNING: Tornado Inbound 3:00PM-6:00PM. Stay Indoors unless you want to die.		
Ticker	Lower Left Icon + Text	Fullscreen		

Configure Cancel

Fill in the information

- Alert Title This is the name of the blue button on the previous screen, so it should be descriptive enough so that you know which alert this is
- Severity This is for the alerts history page and for future needs when alerts have priorities
- Send Alerts to Group(s) This is the group or groups you want this alert to be directed to
- Alert Message The text what will be part of the alert
- Choose Template
  - Ticker
  - Lower Left Icon and Text
  - Fullscreen

You then click the 'Configure' button. This is now a configured Quick Alert. The configured alert is saved to the Quick Alert page, but is not sent.

In addition to these templates, there are 2 additional Special Alerts that can be triggered via special text in the 'Alert Message'

To trigger these alerts, the 'Alert Message' must begin with the text **Stay in Place Emergency**: (and whatever text you want). The text is highlighted for clarity, and it must be capitalized and terminate with the colon exactly as shown. The Stay in Place Emergency: template is as shown below





Stay in Place Emergency: There is an Emergency in the building that requires you to stay in place Stay in classrooms and lock the doors!

To trigger the All Clear message, the 'Alert Message' must begin with the text All Clear Notice: (and whatever text you want). The text is highlighted for clarity, and it must be capitalized as shown and terminate with the colon as shown. The All Clear Notice: template is as shown below



(and then whatever text you want).



# Users

Users are accounts that have access to your FlashCast cloud. It's a good way to manage who is in control of what device. Users can be in charge of certain groups and therefore they manage a small subset of the company's FlashCast devices. You can assign users three different roles. Those roles are below:

### Roles:

- 1. Administrator: An Administrator can create new Alerts, register devices, add new users, manage 3rd party integration, manage groups (only groups they are directly involved in), and approve alerts
- 2. Operator: An operator can view Alerts, see what Alerts need approval, register devices, and place those devices into groups
- 3. Viewer: A view can view Alerts, groups, and current devices.

### Add User

Email

Name B

### **Assign Roles**

example@email.com

Α

Enter user name

Phone Number C

Choose Role Type D

1234567890

Select Role

Search Q

Mimo Monitors

E

K

Add

- A. Email: Email for the new user
- B. Name

X



Name of the new user

- C. Phone Number Phone Number for the new user
- D. Choose Role Type

Role of the new user. Currently available:

- 1. Administrator which can create alerts, new users, add devices, create groups, and approve alerts
- 2. Operator which can
- 3. Viewer which can view Alerts and status of devices
- E. Groups

Assign groups which the user has control over

F. Add/Cancel

Add or cancel the user



# Device Set Up

The FlashCast will display the following screen when first powered up and connected to the internet:

This screen is used to register the device. You will get the following codes:

Device ID (Same as Serial Number): Device Code:





Upon successful enrollment you will see the following screen on the FlashCast Monitor:



To register a device, input the following:

Device ID Device Code Choose Group: Devices can be put in multiple groups. At least one should be chosen.

After device is registered, you can change the device name.



Integrating with other Alerting systems allows FlashCast to be used with other systems. Currently FlashCast will alert with:

**Digital Alert Systems** 

SingleWire Software


# **Digital Alert Systems Integration:**

	•		
≡		3rd Party Integration	+ Configure Another Set
20	Dashboard	3rd Party Integration / DAS Configuration	
	Device Management		
<b>(1</b> )	Alerts	Alert Type (55) / Cook County / Groups (1) / Needs Approval / Ticker	<ul> <li>✓</li> <li>Î     </li> </ul>
•••	Users		
	Device Set Up		
I	3rd Party Integration		
¢	Logout		

Here on the main screen you will see currently configured Alerts and be able to modify them. You can also<u>add new Alert configurations</u>.



rd Party Integration		
rd Party Integration / DAS Configurati	on	
lert Types 🗛		
Select Value	$\sim$	
unty B		
elect Value 🔻		
nd Alerts to Group(s) C		
Select Value	Q	
Select All		
✓ □ TomCo		
end Automatically?		
Yes 🔿 No, needs approval.		
nime in:		
	WARNING: Tornado inbound	
	unless you want to die.	
WARNING: Tornado inbound 3:00PM-6		
Ticker	Fullscreen	
		F Configure
		Cancel

- A. Select which type of Alert you would like to either go out automatically or go out pending approval.
- B. Select the applicable county (US Only) and only one may be selected
- C. Select which Groups this will go out to
- D. Will this be sent automatically or need approval (See Approve Alerts)



E. Choose the template the alert will use. Currently you can have a ticker or full screen. The same types as the <u>Creating an Alert</u> section.



# Singlewire InformaCast Integration (Phase 1 Implementation)

## Feature Overview

This feature is part of a third-party integration aimed at enhancing communication capabilities for users with a Singlewire InformaCast subscription. The integration will enable end users to send alerts from Singlewire InformaCast to various groups in FlashCast using customizable alert templates available in FlashCast.

There is no way to reject an alert if it comes in from Singlewire. The system will react automatically as programmed per this integration. There is no concept, at this time, of an alert for review with Singlewire events.

## Objective

To facilitate seamless communication between Singlewire InformaCast and FlashCast, allowing users to efficiently send alerts to designated groups.

## **Functional Requirements**

Please find the user flow for phase 1 below:

Step 1 : Generation of API Token

- First, login to Singlewire InformaCast
- Only if required, create a Site under command center by clicking the '+'. A Singlewire Site maps to a FlashCast Group.



# Singlewire



• Next, create a new Service Account. Give it a name, select Custom API, and click 'Save'



©singlewire InformaCast			💴 Global 🗸	>	٠	?	•
<ul> <li>Ø Scheduled Notifications</li> <li></li></ul>	+						
Admin	-	Create a service account, which is a way for external programs to request and receive information from InformaCast.					
System Health		Basic Information					
<> Data Import	+						
Self-registration		Name David - Service Account					
<ul> <li>Security Groups</li> <li>Integrations</li> </ul>	-	Type Custom API					
# Applications							
Application Marketplace     Service Accounts     Zoom     API Connectors			(x c	ancel		Save	Ī

• Under Security, open 'Common Permissions' and select 'View Site Permissions'

© singlewire InformaCast		
Q e.g. Users	×	
ft Home		Service Account Details: David - Service Account (Need Help?) @
+ Recipients	+	View/edit a service account's details and tokens.
K Notifications	+	General Notifications Sent Notifications Security
Admin Admin	-	Security Information
හ System Health		
<> Data Import	+	Security Groups - Manually Added
Self-registration		Assign this user to security groups.
🔮 Security Groups		
Integrations	-	
# Applications		+ Assign to Security Group
Application Marketplace		
Service Accounts		
O Zoom		Common Permissions
<> API Connectors		
*** Triggers		VIEW DISTRIBUTION LIST PERMISSIONS
Licenses		VIEW MESSAGE TEMPLATE PERMISSIONS
Settings	+	VIEW CONFIRMATION REQUEST PERMISSIONS
Reports	+	VIEW AREA OF INTEREST PERMISSIONS
Leave Feedback		VIEW OUTBOUND SYSTEM PERMISSIONS
		VIEW DEVICE GROUP PERMISSIONS
		VIEW BELL SCHEDULE PERMISSIONS
		VIEW RING LIST PERMISSIONS
		VIEW SITE PERMISSIONS



• Select all the sites you want to be able to control with FlashCast

Service Accounts: David - Service Account Site Permissions View/manage common permissions, which are a more refined way of adding permissions to an application or user Roles - View global permission is also granted.	. In order to fully utiliz	e Sites update functionality, it is recomme	nded that the Notifications > C	ommand Center > Site
Q. Search				✓ Done
Name	View	Update	Delete	All
Anirudh Test Site	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Dev Env		$\checkmark$	$\checkmark$	$\checkmark$
singlewire site		$\checkmark$		$\checkmark$
test site		$\checkmark$		$\checkmark$
test site	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Test Site 2 singlewire	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Test Site Fuji	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Test Site Fuji 2		$\checkmark$		$\checkmark$
			Rows per page: 10 v 1-8	of 8 < < > >>

• Open the 'Tokens' tab (also Under Security), and click, create Token

®singkentre InformaCast			🕫 Global 🗡	> .	8	8			
Scheduled Notifications  Event Sources	+	<ul> <li>K Service Accounts</li> <li>Service Account Details: David - Service Account (المعط المولي) ه</li> </ul>							
Admin -	-	View/edit a service account's details and tokens.							
😇 System Health		General Notifications Sent Notifications Security				_			
Data Import     Self-registration	+	Security Information							
C Security Groups	-	Security Groups - Manually Added							
Applications     Application Marketplace		Assign rins uses to security groups.							
Service Accounts Com ACI Connectors		+ Assign to Security Group							
<ul> <li>➡ Triggers</li> <li>➡ Licenses</li> <li>➡ Settings</li> </ul>		Common Permissions			~	j			
<ul> <li>Appearance</li> <li>Calling</li> </ul>	l	Global Permissions			~				
じ Do Not Disturb Email	Т	Tokens	_		^	]			
In-app Support		Q. Search	(	+ Create	Token				
InformaCast Apps	- 1	Name Created Expiration	$\underline{}$	_	_	-			
■ 3m3 It is a set of the set of t		Note No Tokens							
≜ Text-to-Speech									
	Ŧ	Rows p	er page: 10 🗸 1-0 of 0	« <	> >>				

• Give the connector a name, and click Save



Create Token	×
Name FlashCast Connector	
Cancel Sa	ve

• Copy the token created

Click the Copy icon to copy the token to your clipboard. Paste t establish communication between it and InformaCast.	he token into your application to
Note     This token will not be available once this pop-up window	w is closed.
Token	
79UOIOCBXAI67.IURXAMRXMOLM7772TYUDOORD3FL644UD UU377.FU36NoSCEDUJBUP2703CC/PilueNEGXUPA-	

 Login to the FlashCast User Interface and select 3rd Party Integrations -> Singlewire Software

	3rd Party Integration				
<ul> <li>Dashboard</li> <li>Device Management</li> <li>Alerts</li> <li>Users</li> <li>Device Set Up</li> <li>3rd Party Integration</li> </ul>	Digital Alert Systems	Digital Alert Systems Integrate your D.A.S. system and automatically push your alerts to the FlashCast system and screens.	Singlewire software	Singlewire Software Integrate your Singlewire Software system and automatically push your alerts to the FlashCast system and screens. Configure	



• Click 'Add Token' and paste in the token copied from the Singlewire Portal

Dashboard	3rd Party Integration 3rd Party Integration / Singlewire Configuration			
<ul> <li>Device Management</li> <li>Alerts</li> </ul>	Step: 1 Add Token	Webhook URL:	Add Token to get the Webhook URL.	Сору
<ul> <li>Users</li> <li>Device Set Up</li> <li>3rd Party Integration</li> </ul>	Step: 2 Map Sites			

Be sure you receive the message that the token was validated successfully, and that the Webhook URL was populated

• Go back to the Singlewire InformaCast portal and select 'Scenarios' under 'Command Center' under 'Notifications'. Then select 'Create Scenario'

osinglewire InformaCast				🖽 Global 🗸 🗲 🌲 😨 😝
<ul> <li>Tracking Events</li> <li>▲</li> <li>▲</li> <li>Mutbound Systems</li> </ul>	List Scenarios (What Are Scenarios?)	nd send a series of notifications to senarate audiences	in response to an emergency or a set of ci	+ Create Scenario
Conference Calls Cisco Webex Treitter	Q. Search	aging Site 7 Shared Status	in response to unemergency of a set of e	Columns
Outbound CAP Outbound RSS	Name	Scenario Type	Site Access	
D API Devices	All Clear	Standard	Global	> / :
Notification History	Building Evacuation Dev 1	Standard	Global	> / :
Message Templates	Emergency Lockdown	Standard	Global	> / :
Command Center	Fuji Test Alert	Standard	Global	> / :
<ul><li>Site Roles</li><li>Sites</li></ul>	New Test Dev Test Notification	Standard	Global	> / :
Scenarios     Incident Plans				Show 25 ∨ 1-9 of 9 ≪ < > ≫
Incidents In Tracking Event Notifications Notification Profiles				

• Select Standard and Continue

Cenarios Scenario Type Help Me Choose Select a scenario type to set the format of your scenario	y, and possibly choose your integration endpoints.	
What type of scenario would you like to create?	Panic Button	
		X Cancel Continue



• Give it an appropriate name, color, icon, etc to your requirements. Select Sites, Scenario Questions, and API Connector

Cenarios Scenario Details: Test Notificatio View/edit a standard scenario, its details, button, question	Dn 💿		
Scenario Setup Name your scenario, set your display preferences for	the button that users will press to initiate this scena	rio, and optionally add other scenario elements.	^
Name		Scenario Button Preview	
Test Notification Icon Color #005B8C	× ×	Test Notification	
Which scenario elements would you like to include h	this scenario (optional)?		
	<b>—</b>	<b>O</b>	
Sites	Keyboard Shortcuts	Scenario Questions	Instructions
10 Incident Plan	API Connector		J

- Under Sites, use the text "Which location do you want to send Alert to?", or whatever is appropriate in your setup
- Under questions, you must use these exact questions and ONLY these questions exactly as shown below
  - Question 1
    - Type: Free Text
    - Variable Name: alertMessage
    - Title: What is the Alert Message?
    - Default Resounse: This is a singlewire alert from Testing team

#### Question 1

Туре	Variable Name 🔹
Free Text ~	alertMessage
Title	
What is the Alert Message?	
Default Response (Optional) 0	
This is a singlewire alert from Testing team	

- Question 2
  - Type: Single Select
  - Variable Name: severity



- Title: Choose Severity
- Option 1: high
- Option 2: medium
- Option 3: low

#### Question 2

Туре	Variable Name 🔹
Single Select 🗸 🗸	severity
Title	
Choose Severity	
Single Select Options 0	
Option 1	
high	<b>盲</b> ☆
Option 2	
medium	<b>盲</b> ☆
Option 3	
low	■ ☆
+ Add Option	

- Question 3
  - Type: Single Select
  - Variable Name: templateId
  - Title: Choose the Template
  - Option 1: 1
  - Option 2: 2
  - Option 3: 3
  - Option 4: 4



Туре	Variable Name 0		
Single Select v	templateld		]
Title			
Choose Template ID			
Single Select Options 0			
Option 1			
		=	$\sim$
		•	$\mathcal{M}$
Option 2			
2		<b>T</b>	5
		-	~
Option 3			
3		Î	☆
Option 4			
4		Î	☆
+ Add Option			

X Cancel + Add To Questions

• So that the final questions look like this

Question Settings Allow your initiator to tell you	where an event is occurring by entering a question for them to	answer during scenario initiati	ion.		
Question	to cond Alast to 2				
The answer to this question can be	e included in your notifications with variables.				
and question can be	e notace n you notheatene mar fundice.				
estions					
estions w your scenario initiator to pro	ovide additional information about an emergency by having the	em answer questions.			
<b>estions</b> w your scenario initiator to pri	ovide additional information about an emergency by having the Default Response	em answer questions. Type	Options	Variable	
estions w your scenario initiator to pri stion t is the Alert Message?	ovide additional information about an emergency by having the Default Response This is a singlewire alert from Testing team	em answer questions. Type Free Text	Options	Variable alertMessage	÷ /
estions w your scenario initiator to pr stion t is the Alert Message? ose Severity	ovide additional information about an emergency by having the Default Response This is a singlewire alert from Testing team	em answer questions. Type Free Text Single Select	Options	Variable alertMessage severity	↓ ♪ ↓ ↑ ♪
estions your scenario initiator to pr tion is the Alert Message? see Severity se Template ID	ovide additional information about an emergency by having the Default Response This is a singlewire alert from Testing team	em answer questions. Type Free Text Single Select Single Select	Options 3 4	Variable alertMessage severity templateld	↓ ø ↓ ↑ ø

• Then edit Notification 1 with a name and 'ad hoc notification'



#### **Scenario Notifications**

Select the notifications to be sent when this scenario is initiated, and set any message template overrides.

Notification 1	
Name	
Informacast Fuji Alert	
Message Template	
Ad Hoc Notification	~ ×
Override Message Template Override the selected message template's contents.	
Subject	
This is the alert from Informacast	
Text-to-speech content must not exceed 3,000 characters.	✤ Insert Variables
Body	
Body	
Text-to-speech content must not exceed 3,000 characters.	♣ Insert Variables
Confirmation Request	
	~ X

- Save and re-edit the notification, then go to API Connectors and click 'add API connector'
- Copy the Webhook URL from the FlashCast portal

# 3rd Party Integration 3rd Party Integration / Singlewire Configuration Step: 1 Update Token Webhook URL: https://func-fuji-prod-cus-alrt.azurewebsites.net/api/createSinglewireAlerts?userId=1...????cronception Step: 2 Map Sites

• Paste the Webhook URL into in the Singlewire URL



#### Edit an API Connector

Configure a custom webhook to send an HTTP request when this scenario is initiated.	
Name	
David's Test Button	
Description (Optional)	
Туре	
Webhook ~	
Method Webhook URL POST V https://func-fuji-prod-cus-alrt.azureweb Insert Variables	
Expire After 🔹	
1.5 minutes V	
Authorization Parameters Headers Body	
Define the data that should appear in the HTTP request body in a format supported by the receiving application.	
Request Body	Encrypt
{     "alertMessage": {{event.scenarioNotification.fields.0.answer   json}},	•
	Cancel Save

• Then select the 'Body' tab at the bottom and paste EXACTLY this into that field

{

"alertMessage": {{event.scenarioNotification.fields.0.answer | json}},

"severity": {{event.scenarioNotification.fields.1.answer | json}},

"templateId":{{event.scenarioNotification.fields.2.answer | json}},

"siteId":{{event.scenarioNotification.location.site.id | json}}

}

×



#### Edit an API Connector

Configure a custom webhook to send an HTTP request when this scenario is initiated.	4
Name	
David's Test Button	
Description (Optional)	
Туре	
Webhook 🗸	
Method Webhook URL POST V https://func-fuji-prod-cus-alrt.azureweb Insert Variables	
Expire After 💿	
1.5 minutes V	
Authorization Parameters Headers Body	
Define the data that should appear in the HTTP request body in a format supported by the receiving application.	
Request Body	Encrypt
{     "alertMessage": {{event.scenarioNotification.fields.0.answer   json}},	•
	Cancel Save

Step 2 : Map Singlewire InformaCast sites with each FlashCast Groups

• Users can map each site available on Singlewire InformaCast to one group in FlashCast. Click 'Map Sites'

×

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# **3rd Party Integration**

# 3rd Party Integration / Singlewire Configuration

Step: 1	Update Token	
Step: 2	Map Sites	

• The correlate the Singlewire site to the FlashCast group, and select save.

Иар Sites to Groups	
Singlewire Site	FlashCast Group
Anirudh Test Site	Mimo Monitors -
singlewire site	Select Group •
test site	Select Group *
test site	Select Group •
Test Site 2 singlewire	Select Group •
Test Site Fuji	Select Group -
	Cancel Save

Step 3 : Create and send notification from Singlewire InformaCast using scenarios

• Users can now send notifications using scenario in Singlewire InformaCast, and those will be sent to FlashCast devices configured on the FlashCast portal.



#### Step 4 : View and end alerts

• Users will be able to view all Singlewire InformaCast alerts on the FlashCast Alerts Page and the Singlewire Notifications Page.

Alerts			Search for alert	Q Alerts Needing Approval	Create Alert Send DA
Alerts actions	Off L	ess Transparent More T	ransparent Reset Refresh Alerts		
Select status	✓ Select	severity 🗸	Select source 🗸 🗸	Select group	$\sim$
Status 🗘	Severity 🗘	Source 🗘	Alert Message 💲	Time Left 💲	Groups 🗘
Past	Medium	INFORMACAST	This is a test		Singlewire Tes Group
Past	Medium	INFORMACAST	This is a test		Mimo Libertyvi DUT
Past	High	INFORMACAST	This is a test		Mimo Libertyvi DUT
Past	High	INFORMACAST	This is a test		Mimo Monitor
Past	Medium	INFORMACAST	esfrj Ikwje fwelkjf welkfjwe I		Mimo Monitor
Past	High	INFORMACAST	Test\nTest		Mimo Monitor
Past	High	INFORMACAST	Test Test		Mimo Monitor
Past	High	INFORMACAST	This is a test		Mimo Monitor
Past	High	MAN	Hi Greg		Mimo Monitor
Past	Low	INFORMACAST	This is the alert from Informa		Mimo Monitor

- Repeat steps as required to add FlashCast control into other scenarios, such as 'All Clear'
  - It is possible to avoid the questions, and send a fixed template and text by editing the 'body' in the API Connector
  - For example: The 'body' in the 'All Clear' scenario should probably by this, as this body will tell the FlashCast system to turn off any alerts, without having to get any information from the Singlewire user, except the 'Site'.

```
{
    "alertMessage": "off",
    "severity": "low",
    "templateId": "5",
    "siteId": {{event.scenarioNotification.location.site.id | json}}
```

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• Another Example of the 'body' in a custom Scenario puts the text "There is a fire in the building Evacuate immediately But orderly" on the screen with the 'full screen takeover'. Again, this requires no user input other than the standard Singlewire process and the Site to send the alert.

```
{
```

}

"alertMessage": "There is a fire in the building

Evacuate Immediately

Buy orderly",

"severity": "high",

"templateId": "1",

"siteId": {{event.scenarioNotification.location.site.id | json}}

}

Important Notes -

- Each user can configure their own Singlewire InformaCast settings in FlashCast, and these configurations are not shareable within the organization. This ensures that user-specific data remains private and accessible only to the respective user.
- When a user updates the token in FlashCast, the system will add or remove sites(in FlashCast) configured in Singlewire InformaCast. If any site was previously mapped in FlashCast and is still present in Singlewire InformaCast for that user, the data will not be lost during this token updation.

## Non Functional Requirements

- The user should have a Singlewire InformaCast Account.
- The user should be added in the FlashCast application and should have an admin role.

## Limitations

- The user can map one FlashCast Group to only one Site.
- Multi-line text is not supported unless the text is manually edited as part of a fixed 'body'
- The token will expire in one year, the user needs to update it after every year.
- From the Singlewire InformaCast portal, whenever a user sends an alert, they can select only one site at a time. (This is a limitation from Singlewire InformaCast portal)
- The 'template' is a number, not a descriptive name. See <u>Template Samples and</u> <u>corresponding numbers</u> section for the description



# **Everbridge Integration User Guide**

# **Pre-requisites:**

- 1. The user should have an Everbridge account.
- 2. The user should be added to the FlashCast application and have the admin role.

# **Everbridge set-up (one time)**

## Steps to generate the Access key and Secret Key from Everbridge application:

1. Login to Everbridge account. Make sure you select the 'Account'

	Everbridge Suite	Account-Level Tools					MimoMor	nitors Sandbox (Account Admin) 🗸	÷	?	NEW! Everbridge 360**	Logout
<b>N</b>	Notifications 🗸	Contacts Users Y Roles Settings						ACCOUNT				
Users	Uploads API Acc	ess Key Service Accounts						MimoMonitors Sandbox ORGANIZATION(S)				0
Delete	More Actions Y	Send Invite Download	Add User					MimoMonitors Org 1	Þ	Last N	lame Q Advanced	Reset
0	Registered 0	First Name 💠	Last Name 🗘	Role	API Access 0	Last Login Date 😄		Last Modified Date 0			Last Modified By 🗘	
	Yes	• David	Anderson	Account Admin	No	Dec 07, 2024 03:05:38 IST		Oct 21, 2024 22:06:25 IST			David Anderson	
- /	Yes	Scott	Clancy (Everbridge)	Account Admin	No	Nov 26, 2024 00:38:18 IST		Oct 21, 2024 20:48:24 IST			Scott Clancy (Everbridge)	

2. Make sure the logged in user has API access. Select this switch in the user if it is not selected. Contact your administrator



3. Now select **API Access Key** under **Users** to generate the keys.



7			Everbridge Suite	Account	-Level Tools				
7	Y		Notifications 🗸	Contacts	Users 🗸	Roles	Settings		
	Users	ι	Jploads API Ac	cess Key S	+ New Us	er			
	Dele	ete	More Actions `	Send In	Users Uploads			User	
			Registered 💠	First Name	API Acces	ss Key		.ast Name 🗢	Role
		<u>a</u>	Yes	• David	Service A	ccounts		Anderson	Account Admin
			Yes	Scott				Clancy (Everbridge)	Account Admin
		<u>a</u>	Yes	• Tom				Doddridge	Account Admin

4. Select **Create Access Key** to create a new key. Select the user for whom the keys have to be created from the dropdown. Click on **Generate Access Key**.

*Note-* Only one access key with active status can be generated for a single user.

	Ever	rbridge Suite	Accoun	t-Level Tool	5			
	Noti	fications 🗸	Contacts	Users 🗸	Roles	Settings		
Users	Uploa	ds API Ace	cess Key	Service Accou	ints			
🗄 Crea	te Acce	ess Key						
Select	User	Select		•	Generate	Access Key		
		patrickhmimo						
l ser Nan	ne	poojajavali				Access Key ID	Status	Created Date
naman.ja	in					674eb992ea7afb6a7a540a 23	Active	Dec 3, 2024 13:26:02 IST
ShwetaK						674558f407568119064278 75	Active	Nov 26, 2024 10:43:24 IST
poojajava	ali					677e48c7c5c1955561f82e 8f	Deleted	Jan 8, 2025 15:13:35 IST
poojajava	ali					677e379cf6af4d579ebf91a f	Deleted	Jan 8, 2025 14:00:20 IST



Users	Uploads	API Access Key	Service Accounts			
🖬 Cre	ate Access Ke	у				
Select	t User pooja	ajavali	v Generate	Access Key		
User Na	me			Access Key ID	Status	Created Date
naman.j	ain			674eb992ea7afb6a7a540a 23	Active	Dec 3, 2024 13:26:02 IST

5. Once the key is generated, either the user can copy it from the display or can download the keys.





6. The user has to note the **Organization Id** as well, to fetch that navigate to Settings section and note the Organization Id.

	Everbridge Suite		Account-	Level Tools						
	Notifications 🗸	C	ontacts	Users 🗸 🛛 Roles		Settings				
Settings										
Accou	nt Name		Account Name							
Notific	ations	>	Account Name: MimoMonitors Sandbox 🖋							
Conta	ct Upload Mapping									
Securi	ty	>	Rename for Organizations							
Regior	Regional Settings		Organization ID 🜩		Organi	Organization Name ≑		Q Previous Name 🗢		
			98 FUL	81 (\$11977		Mimol	Monitors Org 1	<b>A</b>		

 Once both the Keys are noted, now login to Flashcast application and navigate to 3<sup>rd</sup> Party Integration from the side navigation menu. Now select Everbridge Configure.

	3rd Party Integration			
Dashboard				
Device Management		Digital Alert Systems		Singlewire Software
<ul> <li>Alerts</li> </ul>		Integrate your D.A.S. system and automatically push your alerts to the FlashCast system and screens		Integrate your Singlewire Software system and automatically push your alerts to the FlachCast system and screens
a: Users	ø.		(S) singlewire	Contract of the Hadrody System and Second
Device Cet Up		Configure	SOItWale	Configure
Srd Party Integration				
		Everbridge Suite		
		Integrate your Everbridge Suite and automatically push your		
	<b>Veverbridge</b>	alerts to the FlashCast system and screens.		
		Configure		

8. Now to configure the keys select the **Configure Token** button.



9. Now paste the Access key, Secret Key and Organization Id in the respective fields and save the data.

Configure Token	×
Access Key ID	
677f8172c5c1955561f82e92	
Secret Access Key	
Cr8pXfPdEIWcYao85MfzxgoLyej4Ok+cFdb5z8FGw8+4LOT8I5aDQQ	
Organization Id	
88752814817377	
Cancel Save	

10. Once the keys are saved, a **Webhook** URL is generated, copy the webhook.

Dashboard	3rd Party Integration	n / Everbridge Configuration		
Device Management				
📢 Alerts	Step: 1	Reconfigure Token	Webhook URL:	https://orange-sea-0c7865810.4.azurestaticapps.net/api/alerts/createEverbridgeAlerts?userk
🌲 Users				
🚍 Device Set Up				
Srd Party Integration	Step: 2	Map Groups		

11. Now go back to Everbridge application and change to **Organization view.** Welcome pop up will be displayed click on **Proceed.** 



	Everbridge Suit	e	Account-Level Tools MimoMonit										Ionitors Sandbox (Account Admin)	~ 4
>	Notifications 🗸		ontacts	Users 🗸	Roles	Settings							ACCOUNT	_
Settings													MimoMonitors Sandbox	
_												ORGANIZATION(S)		
Account	t Name		Accol	unt Nam	e								MimoMonitors Org 1	
Notifica	tions	>	Account I	Name: Mimol	Monitors Sa	ndbox 🖋								
Contact	Upload Mapping													
Security	(	>	Renam	ne for Orga	nization	IS								
Regiona	Regional Settings		Organization ID *		Organization Name		O Previous Name 🌣		Last Modified Date 🗅	Last	Modified By			
			88752	814817377			MimoMonitors Org 1		1					

To change this example, navigate to Settings – Organization – Login Message
Alert System
This system is for Official Use Only
By clicking "proceed" you agree to these terms
To change this example, navigate to Settings – Organization – Login Message

12. Now select **Organization** under the **Settings** option.



	Everbridge S	uite						
	Dashboard	Unive	rse Notifications 🗸 I	Incidents 🗸	Contacts 🗸	Reports	Settings 🗸	Access 🗸
Organizat	ion Member	Portal	Everbridge Open Everbrid	ge Mobile App			Organizatio	n
Organiz	ation	~	Organization Deta	ails 👔			Member Po	rtal
						Everbridge	Open	
Base	Information		Organization Name	MimoMonitors	Org 1		Everbridge I	Mobile App
Login	Message		Organization ID	887528148173	377			
Desis			Organization Status	Active				
Regio	nai settings		Country	United States				
Мар		>	Contact Data Store Location	US Contact Da	ta 3			
Interact	ive Visibility	>	Account Name	MimoMonitors	Sandbox			
Publishi	ing Options		Last Modified Date	Oct 21, 2024 2	0:50:06 IST			
Publian	ing options	1	Last Modified By	sclancy_mimo	monitors			
Notifica	tions	>	Incident Zone	Registered Cor	ntacts (Private In	cident Zones)		
Contact	s and Groups	>	Name	MimoMonitors	Sandbox IZ	,		
Converte								
Security	r	1						
Everbrid	lge 360	>	Logo/Badge		Π			
		I	_ ~ •	MON	ITORS	ò		

13. Now from the side navigation options select **Web Posting** under **Publishing Options.** 



	Everbridge Sui	te						
	Dashboard	Univers	e Notifications 🗸 I	ncidents 🗸	Contacts 🗸	Reports	Settings 🗸	Access 🗸
Organizatio	n Member Po	ortal	Everbridge Open Everbridg	ge Mobile App				
Organizat	ion	>	Organization Deta	ails 🛛				
Мар		>	Organization Name	MimoMonitors	Org 1			
Interactive	e Visibility	>	Organization ID	887528148173	77			
Publishin	a Options	~	Organization Status	Active				
	3 0 0 10 10		Country	United States				
CAP Ch	annels	>	Contact Data Store Location	US Contact Dat	a 3			
Web Po	sting		Account Name	MimoMonitors	Sandbox			
Audio B	ulletin Board		Last Modified Date	Oct 21, 2024 20	):50:06 IST			
Evenheid	lee web widees		Last Modified By	sclancy_mimor	nonitors			
Everbrid	ige web widget		Incident Zone	Registered Con	tacts (Private In	cident Zones)		
Notificatio	ons	>	Name	MimoMonitors	Sandbox IZ			
Contacts	and Groups	>						
Security		>	Logo/Badge	min	Π			
Everbridge	e 360	>		MONI	TORS	j		
		1						

14. Now select **New Web Posting** option and paste the **Webhook url** copied from Flashcast application and add a **Display name** and save the details.



	Everbridge Su	ite								
	Dashboard	Unive	rse Notifications	✓ Incidents ✓	Contacts 🗸	Reports	Settings 🗸			
0	rganization Member Pe	ortal	Everbridge Open	Everbridge Mobile App	0					
	Organization	>	Web Posting	g Settings 🔞						
	Мар	>	New Web Posting							
	Interactive Visibility	>								
	Publishing Options	~	NEW WEB POSTING							
	CAP Channels	>	*URL	https://orange-sea-0	c7865810.4.azure	staticapps.net	/api Test			
	Web Posting		* Display Name	PoojaDevTest						
	Audio Bulletin Board									
	Everbridge Web Widget		Username							
	Notifications	>	Password							
	Contacts and Groups	>	Save Canc	el						
	Security	>								
	Everbridge 360	>								

Everbridge Suite										MimoMonitors Org 1 (Organization Admin)	~ 1 ?	NEW! Everbridge 360*	D Logout
Deshboard U	Univers	Notifications V Incidents	✓ Contacts ✓	Reports	Settings 🛩								
Organization Member Port	tel	verbridge Open Everbridge Mobil	е Арр										
Organization		Web Posting Settings	eb Posting Settings o										
Мар	>	New Web Posting	New Web Posting										
Interactive Visibility	>						Diselas Mana			Provend			
Publishing Options	×	URL				Display Name	U	Jsername	Password				
CAP Channels	>	https://func-fuji-dev-cus-alrt.azurewe	bsites.net/api/createl	EverbridgeAlert			FlashCast Dev webhook	FlashCast Dev webhook *****				1	
Web Posting		https://func-fuji-prod-cus-airt.azurew	ebsites.net/api/create	EverbridgeAler			FlashCast Prod Webhook	FlashCast Prod Webhook **				/ 8	
Audio Bulletin Board		https://orange-sea-0c7865810.4.azu	estaticapps.net/api/a	lerts/createEve	rbridgeAlerts?u	serid=545387648	Shweta's Dev Webhook					/ 8	
Everbridge Web Widget													
Notifications	>	https://orange-sea-0c7865810.4.azu	estaticapps.net/api/a	lerts/createEve	rbridgeAlerts?u	serid=1393470836	PoojaDevTest			*****		/ 8	
Contacts and Groups	>	4											Þ
Security	· ·												
Everbridge 360	>												

*Note:* Once the Web Posting is created for a user no need to create it again until it is deleted. Users can directly create the alerts using the same Web Posting.



Steps to Create and Map Flashcast and EverBridge groups.

1. Select the **Groups** under **Contacts** from the top menu.

	Everbridge Su	uite								
	Dashboard	Univer	rse Notifications 🗸	Incidents 🗸	Contacts 🗸	Reports	Settings	s 🗸 Access 🔊		
Organizat	ion Member F	ortal	Everbridge Open Ev	erbridge Mobile App	+ New Conta	ct				
Organiz	ation	>	Web Posting	Settings 👩	Contact List					
5			•	, in the second s	Uploads					
Мар		>	New Web Posting	Upload Dynamic Locations						
Interact	ive Visibility	>			Groups					
Publishi	ing Options	~	URL	Rules					Display Name	
CAP (	Channels	>	https://func-fuji-dev-cu	s-alrt.azurewebsite:	Deleted Cont	acts				FlashCast Dev webhook
Web F	Posting		https://func-fuji-prod-c	us-alrt.azurewebsite	Scheduling					FlashCast Prod Webhook
Audio	Bulletin Board									
Everb	ridge Web Widget		https://orange-sea-0c7	865810.4.azurestati	capps.net/api/ale	rts/createEve	rbridgeAler	ts?userId=545387	648	Shweta's Dev Webhook
Notifica	itions	>	https://orange-sea-0c7865810.4.azurestaticapps.net/api/alerts/createEverbridgeAlerts?us					ts?userId=139347	0836	PoojaDevTest
Contact	ts and Groups	>	4							
Security	(	>								
Everbrid	dge 360	>								

2. User can create the groups by clicking + icon and save it. It can take a few mutes for a new group to be reflected on the Mimo FlashCast portal

	Everbridge Suite											
	Dashboard	Universe	Notifications 🗸	Incidents 🗸	Contacts 🗸	Reports	Settings 🗸	Access 🗸				
Contact L	ist Uploads	Upload Dyn	amic Locations -	Groups Rules	Deleted Cont	acts Sche	eduling					
🛨 Gro	up Group Nar	me or Descripti	ion									
0	Drag Groups to re	arrange										
·: 🗆 I	All Contact Grou	ups (Total Gro	ups: 6)									
	2nd grp test											
÷	E EverBridge	grp 1 4볼										



3. Once the Webhook url is saved and Groups are created in EverBridge application, user can go back to Flashcast application to map the Flashcast groups with EverBridge groups by selecting **Map Groups**.

	3rd Party Integration	
Dashboard	3rd Party Integration / Everbridge Configuration	
Device Management		
Alerts	Step: 1 Reconfigure Token	Webhook URL: https://orange-sea-0c7865810.4.azurestaticapps.net/api/alerts/createEverbridgeAlerts?userk Copy
St Users		
🚔 Device Set Up		
Srd Party Integration	Step: 2 Map Groups	
Sid Party Integration		

4. All the Everbridge groups will be visible user can map the Flashcast group selecting from the dropdown menu. And save the mapping.

Map Everbridge Groups to Fuji Groups	×
Everbridge Group	FlashCast Group
New testing group	GroupPooja1 🕶
EverBridge grp 1	GroupPooja2 🕶
Pooja test	Select Group 🕶
Subgrp	Select Group 🕶
2nd grp test	Select Group 🕶
New group	Select Group 🕶
	Cancel

**Note:** Once the mapping is successful, the user can now create the templates and send alerts.



Steps for creating Templates in Everbridge:

 The user can upload the linked .xml file (https://cdn.shopify.com/s/files/1/0026/7132/files/FLASHCAST\_ALERT\_TEMPLA TE.xml?v=1736783690) and launch it to use the template to create the alerts.

	Everbridg	ge Suite								MimoMonitors Org 1 (Organizatio	an Admin) 🗸	1	? (	NEW! Ever	bridge 360"	6	Logout
Y	Dashboar	d Universe I	Notifications -	ncidents 🗸 Contac	is 🛩 Reports	Settings 🗸	Access 🗸										
Open / H	story Scl	heduled Templater	Variables												Launch Inci	dent	0
Delete	)	New Incident Templ	iste 🛓 Upload Terr	splate									Search		Q Adv	anced	Reset
			Status 0	Name 🕈			Category 0	FIRE AL	ERT								
•	മ	÷	• Live	FIRE ALERT			AUTOMATIC	Created On:	Nov 28 2024 11-25:08 IST							- Live	
	<b>P</b> D	¥	• Live	FLASHCAST ALERI			MANUAL	Last Updated:	Dec 23, 2024 13:21:32 IST Shweta Khannarot							Set to Dra	ft
	ත	÷	• Live	FLASHCAST ALERT	TESTING												
								* 1 Template Id	Message		×						

2. After uploading the .xml file user will see a pop up, click OK and refresh the page to see the uploaded template.

Category	FIRE	ALERT
AUTOM	Alert 🗙	Nov 28, 2024
MANUA	"FLASHCAST ALERT TESTING" template was uploaded successfully for supported elements.	Dec 23, 2024 Shweta Khang
	Refresh the page to see it. It is set to DRAFT mode. Be sure to review and make necessary adjustments before using.	ut Form Message
	ОК	
	FIRE! FIRE! FIR	E!

3. Once the file is uploaded user can see the template listed as shown in below screenshot.



	Everbridge Suite											
	Dash	nboard Ui	niverse N	otifications 🗸	Incidents 🗸	Contacts 🗸	Reports	Settings 🗸				
Open / Hi	story	Scheduled	Templates	Variables								
Delete		New Ir	ncident Templa	te 🛓 Upload	Template							
			Status	Name 🕈			Category					
	ළු	*	• Live	FIRE ALERT	T		AUTOMATIC					
	ළ	¥	• Live	FLASHCAS	TALERT		MANUAL					
	ත	¥	<ul> <li>Draft</li> </ul>	FLASHCAS	T ALERT TESTING	)						

4. Users can click on edit icon and update the template as per their wish. Set the alert to 'live' to make it usable.

Open / History	Scheduled	Templates	Variables	
Delete	New Inc	cident Template	▲ Upload Template	
		Status 🌢	Name 🗢	Category 🖨
☐	¥	• Live	FIRE ALERT	AUTOMATIC
o 🖋 🗳	¥	• Live	FLASHCAST ALERT	MANUAL
C 🖋 🗳	¥	Draft	FLASHCAST ALERT TESTING	
				*
				*

- 1. Fields to Update:
  - a. Name: The user can change the name of the template.



- b. Category: The template can be categorized as either:
  - i. **Automatic**: For templates that are automatically generated where the user have to fill the Template Id, Alert message and Severity and save the details.

Edit Incident Template Return to Template List											
* Name FLASHCAST ALERT	* Name FLASHCAST ALERT TESTING										
New   Updated   Closed MA	NAGE				_						
Form & Message Publishing Options	SELECT TH	E INFOR	RMATION YOU WANT TO COLLECT:	Q S New Variable		PREVIEW & EDIT: To add form fields, select variables at left. Drag them up or down to rearrange.	0				
Contacts Settings	🗌 Req		Variable Name 🕀			View: Operator's Form Outgoing Message * 1 Template Id					
Permissions			Current Time	HH:MM - 12 ho		Select					
			IncidentID			* 2 Alert Message					
		+	Message Sender								
			Notification Status								
			Today's Date	MM-DD-YYYY		400 characters remaining * 3 Severity					
		+	_Initiator ID		L	Select					
		+	_Initiator Name			4 IncidentIU (IncidentID)					
		+	Alert Message			S Current Time (time)					

**Note**: Once saved this template will appear for creating alerts. As shown below where user dont have to fill the details again.

Launch Incident Live	
Incidents > Launch Incident	
Select Template Step 1 of 3	
Search template and scenario	FIRE ALERT
Individual Incidents	Enter / update incident details below
AUTOMATIC ~	* 1 Template Id           2         X   V
FIRE ALERT	* 2 Alert Message
MANUAL >	Fire: Fire:
	383 characters remaining
	* 3 Severity
	High ^   >
	4 IncidentD //orcidentD
	5 Notification Status
	6 Today's Date
	Date Format MM-DD-YYYY

ii. **Manual**: For templates that are created or managed manually. Template Id, Alert message and Severity have to be filled while sending the alert. As shown below.



Launch Incident Live									
Incidents > Launch Incident	cidents > Launch Incident								
Select Template Step 1 of 3									
Search template and scenario	FLASHCAST ALERT								
Individual Incidents	Enter / update incident details below + 1 Template Id								
AUTOMATIC >	Select V								
MANUAL ~	* 2 Alert Message								
	400 characters remaining * 3 Severity Select								
	4 IncidentD (IncidentD)								

- 2. Status Options:
  - a. **Draft**: When selected, the template will be saved as a draft and will not be visible in Launch Incident page.
  - b. Live: When selected, the template will be published and made live.

Edit Incident Template	Return to Template List		
* Name FLASHCAST ALERT TESTING		● Draft	○ Live
Category	•		

5. Select Publishing Options from the side menu and select Web posting option, then select the configured webhook URL name.



Edit Incident Template Return to Template List						
* Name FLASHCAST ALERT TESTING						
New   Updated   Closed MANAGE						
Form & Message	PUBLISHING OPTIONS View: Default Condition  View: Web Posting					
Publishing Options						
Contacts						
Settings Permissions	Common Alerting Protocol (CAP): CAP RSS Feed					
	✓ WEB POSTING					
	<ul> <li>*Message title and body will be posted to the selected page(s):</li> <li>FlashCast Dev webhook</li> <li>FlashCast Prod Webhook</li> <li>Shweta's Dev Webhook</li> <li>PoojaDevTest</li> <li>YrodTestPooja</li> </ul>					

6. Users can pre-select the groups to which the alert should be sent for automatic templates from Contacts option on side bar, otherwise they can choose at the time of sending the alerts.



New   Opdated   Closed Mi				
Form & Message Publishing Options Contacts Settings Permissions	CONTACTS Response Quota:  None ALWAYS SEND TO THESE CONTACTS In the event that none of your conditions are met and no publishing option or incident subscrip (i) Select default contacts here and/or (ii) allow operators to edit contact selections (use the provident selections)			
	O       O       O       O         Individuals       Groups       Rules         INCIDENT RULE         Select contact whose individual/group attribute meets         Individuals:       New         CONDITIONS       0         Image: New Condition	O Map	Preview contacts	
	SENDING OPTIONS  Send to linked calendar for all selected groups Send to incident subscribers Use map shape as an Incident Zone Sequencing   Edit	•		

• Once the user clicks on groups he will be redirected to a pop up to check the groups to which there is mapping of flashcast group. After selecting click on OK.



Category AUTOMATIC	•				
New   Updated   Closed M	IANAGE	Contacts		×	
Form & Message Publishing Options	CONTACTS Response Quota:  None ALWAYS SEND TO THESE CONT.	Select Preview			
Contacts Settings	As In the event that none of your (i) Select default contacts her	Individuals Groups Rules	Manage Contacts		
Permissions	00 Individuals Groups	All Contact Groups     2nd grp test     DeverBridge grp 1		Individuals Remove	
	INCIDENT RULE Select contact whose individual/group Individuals:			Groups Remove	
	CONDITIONS 0			Rules Remove	
	SENDING OPTIONS Send to linked calendar for all s Send to incident subscribers Use map shape as an Incident 2 Sequencing   Edit			Cancel OK	

7. Select Settings option from the side bar and select the delivery methods by editing the fields and select Everbridge App.


New   Updated   Closed MA	NAGE	
Form & Message	SETTINGS	
Publishing Options	View: Default Condition 0	
Contacts	View: Read-only Edit	
Settings	* Sender E-Mail Display:	MimoMonitors Sandbox Alerts
Permissions	* Sender caller ID:	View
	* Sender SMS ID:	View
	* Request Confirmation:	Yes
	* Enforce privacy ():	No
	* Delivery methods:	1 Everbridge App
	✓ More options	
	Delivery Order:	Organization Default
	Interval between delivery methods:	2 min(s)
	Broadcast duration:	24 hour(s)
	Contact cycles:	1
	Interval between cycles:	10 min(s)
	Reply-to E-Mail:	Organization default
	Apply voice delivery throttling rules:	No
	Voice mail preference:	Message Only

8. Click on 'Save' and then return to Template list to start using the alert templates.

Edit Incident Temp	ate Return to Template List	
* Name FLASHCAST ALER	TESTING • Draft • Live	Save & Copy Cancel
New   Updated   Closed M/	NAGE	
Form & Message	OPERATOR PERMISSIONS Specify what an operator can do before sending a notification	
Contacts	View Edit Add/Remove	

*Note:* Once the templates are created user can use the same templates and create alerts.



# Steps for creating Alerts from Everbridge software with the FlashCast application:

- 1) Login to the Everbridge portal with valid credentials.
- 2) In the top right corner make sure that under organizations MimoMonitors Org1 is selected.

	Everbridge S	uite							MimoMonitors Org 1 (Organization Admin)	<b>±</b>	?	NEW! Everbridge 360	~ 0	Logout
<b>S</b>	Dashboard	Universe	Notifications 🗸	Incidents 🗸	Contacts 🗸	Reports	Settings 🗸	Access 🗸	ACCOUNT					
									MimoMonitors Sandbox					
					-				ORGANIZATION(S)					0
CONT	ACTS				=	OPEN INC	IDENTS		MimoMonitors Org 1			Auto Refresh	D i	3
			1											=
						4						_		
					Record Type	Incident M	lame	Last Modified		0				
						FIRE ALE	स	Nov 28, 2024 13:40:57 IST	C	Contacts with Expected Locations				
				Record Emplo		Alert Not	fication	Nov 27, 2024 11:24:43 IST		Go to Universe				
				_	/ \-/	Alert Not	fication	Nov 26, 2024 15:28:32 IST						
						Alert Not	fication	Nov 21, 2024 15:16:00 IS1	CONTACT SEADCH					-
		Contact	in L Groups L Bulan					1-4 of 4   View all	CONTACT SEARCH					-
		Somaci	a i oroups i rules						Contact Full Phone N	umber		Search		
ACTIN	VE NOTIFICATIO	NS			Ξ	QUICK LA	UNCH		=					

3) From top navbar select Incidents, and under **Incidents** choose **+Launch Incidents** to create the alerts.

	Everbridge Suite								
	Dashboard	Universe	Notifications 🗸	Incidents 🗸	Contacts 🗸	Reports	Settings 🗸	Access 🗸	
Launch Ir	ncident Live								
Incidents	> Launch Incider	nt							

- 4) Under the Individual Incidents user can select either **Automatic** or **Manual** alerts.
  - 1) Automatic alerts: These are the ones where the **Template Id**, Alert message, **Severity** will be predefined based on the alert selected.
  - 2) **Manual alerts:** These are the ones where the user has to select **Template ID**, **Alert message**, and **Severity** based on the alert they are creating.



Launch Incident Live						
Incidents > Launch Incident						
Select Template Step 1 of 3						
Search template and scenario						
Individual Incidents						
AUTOMATIC ~						
FIRE ALERT						
MANUAL >						

5) For a Manual alert user has to add **Template Id, Alert message and Severity** and scroll to the bottom to click on **Next** button which will take to preview page.

Dashboard Universe Not	tifications v Incidents v Reports Settings v Access v
Launch Incident Live	
Incidents > Launch Incident	
Calact Tomplete	
Select remplate step1 of 3	
Search template and scenario	FLASHCAST ALERT
Individual Incidente	Enter / update incident details below
	* 1 Template Id
AUTOMATIC >	3 X   V
MANUAL ~	* 2 Alert Message
FLASHCAST ALERT	This is the alert message for 'No parking space in Basement 1'
	338 characters remaining
	* 3 Severity
	Medium X V
	4 IndiatentD
	(IncidentID)
	5 Current Time
	1132 ZmA
	New
	7 Today's Date
	11-29-2024
	Date Format: MM-0D-YYYY
	Next>



6) From the preview page scroll to the bottom of the page and make sure that the created Web posting for the particular user is selected.

Publishing Options						
✓ Web Posting						
V WEB POSTING						
*Message title and body will be posted to the selected page(s): <ul> <li>FlashCast Dev webhook</li> </ul>						
FlashCast Prod Webhook  Shweta's Dev Webhook						
PoojaDevTest						

7) Now under Contacts select Groups option and check the group for which Flashcast mapping is done. And click on OK.



Publishing Options	
✓ Web Posting	
✓ WEB POSTING	
<ul> <li>*Message title and body will be posted to the selected page(s):</li> <li>FlashCast Dev webhook</li> <li>FlashCast Prod Webhook</li> <li>Shweta's Dev Webhook</li> <li>YeojaDevTest</li> </ul>	
Contacts	
Response Quota:  None ALWAYS SEND TO THESE CONTACTS	
0 1 0 0 Preview contacts Individuals Groups Rules Map	
> More options	



Publishing Options					
✓ Web Posting					
Contacts				×	
Select Preview					
Individuals Groups Rules			Ν	Aanage Contacts	
Group Name or Description		٩	Individuals	Remove	
🖃 🔳 All Contact Groups					
2nd grp test					
🕒 🧹 🖿 EverBridge grp 1					
			Groups	Remove	
			EverBridge grp 1		
			4		
			Pules	Remove	
			Kules	Keniove	
				Cancel	
Gender Guner ID.					
* Sender SMS ID:	View				
* Request Confirmation:	Yes				
* Enforce privacy 💽:	No				
* Delivery methods:	2 Email				
> More options					

8) Now click on **Review** button for the final Review of the alert.



ontacts		
Response Quota:  None ALWAYS SEND TO THESE CONTACTS		
0 1 0 Individuals Groups Rules	O Preview contacts Map	
> More options		_
ettings View: Read-only		
* Sender E-Mail Display:	MimoMonitors Sandbox Alerts	
* Sender caller ID:	View	
* Sender SMS ID:	View	
* Request Confirmation:	Yes	
* Enforce privacy 🚯:	No	
* Delivery methods:	1 Everbridge App 2 Email	
> More options		-
Send		
Send: Now Schedule		
CEUSE incluent arter successful send		
		Rev

9) User can review the alert message, template id and severity selected for the alert and click on **Send.** Once the user clicks on send the alert message will be displayed the screen connected to the Mimo device.

Review Step 2 of 3	
FLASHCAST ALERT	₽ Edit on previous step
MESSAGES	DISTRIBUTION
The V Subject And two Constants Enset Ense	Menagan will be user to: Decision Constraints Total Organization Constraints Was not exclusion plaines Menas: Eventual as Age. The enabled Participation decisions Indefent Zine State and
Control - Sana	Managan with to pointed to the biblioring channels: Tech Protog

10) The user can now log in to FlashCast application and select Alert from the side navigation. Once the user Refreshes the alerts through the Refresh Alert button, the user can see the **live** alert that has been set.

Displays   Tablets   Solutions						
😑 🖻 Mimo Monitors Logo	Alerts			Search for alert Q	Alerts Needing Approva	Create Alert
Dashboard						
Device Management	Alerts ac	tions Refr	esh Alerts			
(I) Alerts	Select status	s Se	elect severity	Select source	Select group	
<ul> <li>Users</li> <li>Device Set Up</li> </ul>	Status 🗘	Severity 🗘	Source 🗘	Alert Message 💲	Time Left 💲	Groups 🗘
	• Live	Medium	EVERBRIDGE	This is the alert message for		Pooja Org Prod
	Past	High	EVERBRIDGE	FIRE! FIRE! FIRE!		Pooja Org Prod
	Past	Medium	MAN	Test one		Group 1
	Past	High	MAN	New		Group 1
	Past	Medium	MAN	Test approval		Group 1

#### Steps for end/stop Alerts from EverBridge software:

1) The user can login into EverBridge application, again from the top navbar select **Incidents**, under that choose **Open/History**.

	Everbridge Suite						MimoMonitors Org 1 (Organization)	ldmin)∨ 🚢 ?	NEW Everbridge 360" 0 Lo	ogout
Y	Dashboard Universe Notifications 🗸	Incidenta 🗸 Contacta 🗸	Reports Settings v Access v							
Open / H	istory Scheduled Templates Variables	+ Launch Incident							Launch Incident	•
Close	Viewing: Open (5)   Closed (20)   All (25) A	Scheduled						Se	arch Q Advanced IReso	Jet -
	-	Templates								_
	Status :	Variables	Name 0	Open Duration	Opened On 0	Opened By 0	Last Updated 😛	Closed On 0	Integration 0	
0	• Open Actions ${}^{\vee}$	Live	Alert Notification	0d0h7m16e	Nov 29, 2024 12:27:10 IST	Shweta Khangarot	Nev 29, 2024 12:27:10 IST	-		
0	• Open Actions $ arsia $	Live	FIRE ALERT	0d22h53m29a	Nov 28, 2024 13:40:57 IST	Shweta Khangarot	Nov 28, 2024 13:40:57 IST	-		_
	• Open Actions 🗠	Live	Alert Notification	2d1h9m43s	Nov 27, 2024 11:24:43 IST	Shweta Khangarot	Nov 27, 2024 11:24:43 IST	-		_
0	• Open Actions $$	Live	Alert Notification	2d21h5m54s	Nov 26, 2024 15:28:32 IST	Shweta Khangarot	Nov 26, 2024 15:28:92 IST	-		_
	• Open Actions $\vee$	Live	Alert Notification	7d21h18m26a	Nov 21, 2024 15:16:00 IST	Shweta Khangarot	Nov 21, 2024 15:16:00 IST	-		
				P	Page 1 of 1 23 🗸				View 1 - 5 of	r5

 Under the Open tab, select the alert sent and click on Actions. Now choose Close – send notification and Confirm to close the incident. User will be redirected to Alert Notification page.

m



- <i>(</i>	verbridge Suite						MimoMonitors Org 1 (Organization	ldmin) 🗸 🛔	P NEW: Everbridge 360" 0 Logour
× .	Ashboard Universe Notifice	ations v Incidents V Contacts v	Reports Settings v Access v						
Open / History	y Scheduled Templates V.	ariables							Launch Incident
Close Vie	ewing: Open (5) Closed (20)   All	(25) Auto Refresh () 2 Refresh							Search Q Advanced  Reset
	Status 0	Mode	Name 0	Open Duration	Opened On 0	Opened By 0	Last Updated 4	Closed On :	Integration 0
	• Open Actions ~	Live	Alert Notification	0d0h7m16s	Nov 29, 2024 12:27:10 IST	Shweta Khangarot	Nov 29, 2024 12:27:10 IST	-	
	• Open Actions V	Close - send notification	FIRE ALERT	0d22h53m29a	Nov 28, 2024 13:40:57 IST	Shiveta Khangarot	Nov 28, 2024 13:40:57 IST	-	
	Open Actions	Uve	Alert Notification	2d1h9m43s	Nov 27, 2024 11:24:43 IST	Shweta Khangarot	Nev 27, 2024 11:24:43 IST	-	
0	$\bullet$ Open Actions $\vee$	Live	Alert Notification	2d21h5m54e	Nov 26, 2024 15/28/32 IST	Shweta Khangarot	Nov 26, 2024 15:28:32 IST		
•	• Open Actions $ arsia{}$	Uve	Alert Notification	7d21h18m26s	Nov 21, 2024 15:16:00 IST	Shweta Khangarot	Nov 21, 2024 15:16:00 IST	-	
Page 1 art [3 w]								View 1 - 5 of 5	

3) From Alert notification page scroll to bottom and click on the **Next** button. Confirm the pop up to proceed.

Everbridge Suite	MitmoMonitors Org 1 (Organization Admin)
Dashboard Universe Notifi	ationa biolefents Contacta v Reports Settings v Access v
lose Incident 💴	
Incidents > Close Incident	
Alert Notification /	
Select Template Step 1 of 3	
Search template and scenario	FLASHCAST ALERT
	Enter / update incident details below
Individual Incidents	Copy variable value from:
AUTOMATIC >	Previous Notification Otemptate Setup
MANUAL	* 1 Tendata M
FLASHCAST ALERT	<b>3</b> x   √
	* 2 Mett Message
	This is the aler message for 'No parking space in Basement 1'
	38 characters remaining
	* 3 Severity
	Medum X
	4 holdestD
1	18/26/2010/010
	Surrent Time
	1.46/7H
	6 Notification Status
	Close
	7 Today's Date
	11-59-2024
	UNE PATHAL MIRPORT 11 1
	Here >

4) In the next page scroll to the bottom and make sure that proper Web Posting is selected click on **Review** to review the alert message.



Close Incident Lee			
	~ WEB POSTING		
	Hearsper title and body will be promit to the selected page(s):         [7 Indextat Rev websisk         [7 Test exists.         [7 Test exists.		
	Contacts		
	Response Quota: None		
	0 0 0 Preview contacts		
	> More options		
	Settings View Read-and		
	* Sender E Mal Diguy, Ministenson Societor, Alens * Sender I and III. View * Sender I Alt III. View * Respect Continuants: Yes * Enthier periods Office To Society # 49 * Enthier periods: 2004		
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5) Now review the message and click on **Send** to close the alert message.

Close Incident Ure					
Incidents > Cleave Incident	Help with this page 😡				
Alert Notification /	Incident ID: 18736725036936				
Message text and contact count may change depending on the exact time the message goes out, recipient devices, and service providers.					
Review the plants					
FLASHCAST ALERT	SEt on previous step				
MESSAGES	DISTRIBUTION				
Title / Subject	Messages will be sent to:				
Alert Notification	U Contacts*				
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	Web Posting				
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6) Now refresh the alert in the FlastCast application, the user will see the status of the alert message to **Past** as the message ends. And the message will end on the screen as well which is connected to the Mimo device.



<ul> <li>Dashboard</li> <li>Device Management</li> </ul>	Alerts act	ions Refre	esh Alerts				
Alerts     Users	Select status	Se	lect severity	Select source	Select group		
<ul> <li>Device Set Up</li> </ul>	Status 🗘	Severity 🗘	Source 🗘	Alert Message 💲	Time Left 💲	Groups 🗘	
♂ 3rd Party Integration	• Past	Medium	EVERBRIDGE	This is the alert message for		Pooja Org Prod	
	• Past	High	EVERBRIDGE	FIRE! FIRE! FIRE!		Pooja Org Prod	
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🕒 Logout	ltem per page	10 ¥ F	Page 1 of 4				$\langle \rangle$



## **Template Samples and corresponding numbers**

- 1. Full Page
- 2. Lower Left icon with Text
- 3. <u>Ticker</u>
- 4. Mimo (or other) lower right icon. No text
- 5. Turn alert off
- 6. Do not use (Same as 3/ticker, but for special case)
- 7. Do not use For the Out Of Box Experience Only
- 8. Do not use For the Out Of Box Experience Only
- 9. Do not use For the Out Of Box Experience Only
- 10. Do not use For the Out Of Box Experience Only
- 11. Do not use 'No Connection' text in the lower left of the screen
- 12. Yellow 3 line lower banner
- 13. For debug only puts local IP address and mac address on screen
- 14. Top of Page Ticker with very large font
- 15. <u>Shelter in place</u> <u>All Clear</u>
- 16. Bus Arrival Icon
- 17. Weather

Every other template number, if used, will result in overlay off



#### Template 4



#### Template 7







#### Template 11







#### Template 14





# 

Template 17:



Hour +1 - Temp: 52°F - Clear Hour +2 - Temp: 49°F - Clear



# FlashCast Hardware Specification

#### FEATURES

- 1-input, 1-output HDMI transport, uncompressed video
  - Up to 8k60 YCbCr 4:2:0 12-bit video support
  - Up to 8k30 RGB/YCbCr 4:4:4/4:2:2 12-bit video support
  - Up to 4k120 4:4:4 12-bit high frame rate video support
  - Up to 48 Gbps FRL support
  - Up to 18 Gbps TMDS video support
  - HDMI 1.4a, HDMI 1.4b, HDMI 2.0, and HDMI 2.1 compliant and DVI-compatible transceiver
- HDCP
  - HDCP 1.4 and HDCP 2.3 support
  - Independent HDCP support on transmitter and receiver ports
  - Fully integrated HDCP 1.4 and HDCP 2.3 repeater modes
- Audio Insertion
  - 192 kHz, 24-bit LPCM audio support
- Video
  - VRR, FVA, and ALLM passthrough support
  - Dynamic HDR passthrough support including HDMI dynamic HDR metadata, HDR10+, and Dolby Vision
  - DSC 1.2a passthrough support
- Integrated HDMI CEC controller
  - CEC 1.4 support
  - Can create or pass through CEC commands
  - Enables features like automatic power on/off and input switching
- CPU
  - 32-bit Arm® Cortex®-A7
  - Embedded Linux system
  - Kernel 6.1.28 Updateable over the cloud
- Security/safety
  - 100% TLS encrypted communications to Mimo FlashCast Azure Cloud portal
  - Authentication via Certificates
- Ethernet RJ-45 port
  - o 100Base-T
  - PoE 802.3af
- Power Consumption
  - 6W maximum
  - 4.5W typical
  - No standby mode
- 3.5mm connector (reserved for future use No function at this time)



- Device shows online on cloud but sent alerts do not appear on external display.
  - This problem can pertain to a software issue. In this case new firmware needs to be pushed onto the device via the support team. Contact the support team with this specific issue by sending over the unit's serial number.
- The external monitor is displaying the following image.



- This would occur when there is no network connection with the FlashCast device.
- Ensure that there is ethernet communication by observing the network switch and seeing both led lights are on.
- If the port is not working, attempt a different port on the switch and also check if a different device is also experiencing the same issue where the network is not detected.
- Check the FlashCast device if both of the RJ45 connector lights are on and corresponding with the network switch. Also check if both of the green led lights on the FlashCast unit are on. If all of these are true then contacting support is necessary to attempt to fix the issue or a replacement of the hardware is needed if the support team can not find a solution.
- The unit is not responding correctly after MIMO pushed a firmware update.
  - After MIMO pushes a firmware update to your units in some cases the unit will need to be power cycled. Once a power cycle is completed and the unit



continues to not behave as intended please contact support so the issue can be resolved.



## FAQs

- Only Microsoft related accounts are allowed for FlashCast Cloud accounts. This is being updated
- How can I use the FlashCast with WiFi
  - At this time, there is no internal support for WiFi, although Mimo is working on a new version to support WiFi. The only tested WiFi product known to work with FlashCast is this unit that also outputs the required PoE power
    - Alarm.com ADC-W110 PoE to Wi-Fi Bridge
- I don't have PoE, how else can I power the FlashCast.
  - At this time, PoE is the only possible way to power FlashCast. If you do not have PoE available as part of your network infrastructure, an 802.3af compliant PoE injector would be required. Support for 100Base-T required, but not Gigabit. Tested examples
    - https://store.ui.com/us/en/category/accessories-poe-power/collections/pro -store-poe-and-power-adapters/products/u-poe-af?variant=u-poe
    - TP-LINK 802.3af Gigabit PoE Injector
- How do I create my own custom templates, overlays, fonts, logos, colors, etc.
  - At this time, while any overlay is possible, they can only be created by Mimo.
     Please contact Mimo with your request, and we can quote your custom development



## Release Notes:

# 1.2.9 - Quick Alerts and initial release of non-English (extended Latin) characters

#### **Issues Fixed**

- 1. On 4k displays if the system is originally booted without the output being active because the input is inactive or the output display is off/standby, is it possible that the FlashCast overlay may only cover 1/4th the screen.
- 2. CEC commands to turn on the display from an off/standby state are not well tested.
- 3. On some TVs, the screen pass through does not properly wake up when the source goes from off to active
- 4. Updates to engineering support for RSS Feeds
  - a. The RSS scroll was freezing during a check for an update
  - b. The text "Feed --" was removed from the displayed feed
  - c. The RSS feed once begun could not be ended.
- 5. Main font was changed to Consolas to make the letter spacing more consistent
- 6. The FlashCast main log file rotates to keep total file size within reason
- 7. The new Mimo Logo was implemented at boot time
- 8. Some overlay templates have been cleaned up
- 9. Occasional Segmentation fault on program start or exit has been corrected
- 10. Speed of ticker has been adjusted
- 11. If the unit went offline, it would report this as a small overlay. This has been disabled for now to not disturb end users
- 12. Red Dots or other display corruption can occur after a long time when an alert is posted.

#### Features Added

- Quick Alert Integration.
  - A predefined alerting feature enables the configuration of quick alerts to notify users about critical events, issues, or emergencies, allowing for real-time notifications. Please see User Guide for more details
  - Added a feature for alert auto-clear with 30secs, 1min, 2mins.
  - Added a feature to edit the groups for the quick alerts while sending the alerts.
  - Search functionality added to the Quick Alert listing page.
- If there was an active alert, and for any reason the FlashCast unit is rebooted (power loss or other error), any active alert is reposted
- Support for additional Latin characters beyond English. Specifically we have added Unicode Character Latin Supplement (128 255).



- 1. All resolutions not listed under release note 1.2.1 will show unexpected behavior
  - a. Any resolution above 1920x1080, but less than 4k (but not including QHD 2560x1440) does not scale the overlay, so an overlay will have portions of the screen that may not have template elements. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 1920x1200 (16:10 aspect ratio) display, all overlay pixels from from 1081->1200 vertically will be standard display pixels and will not be affected during an event.
  - b. Any resolution below 1920x1080 (but not including 1280x720 or 1280x800) does not scale the overlay, so text and or graphics will potentially be cut off. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 480p screen (640x480), all overlay pixels from 641->1920 horizontally and 481->1080 vertically will be cut off and not displayed.
  - c. Image pass thru on 8k displays will work but the overlay of FlashCast will most likely not work properly. 8k support is not well tested. It is not recommended at this time to use FlashCast on 8k displays. However, please report issues.
- 2. The text ticker randomly pauses for a second or so before restarting
- 3. When a quick alert is sent with the auto-clear timer, there may be a delay of approximately 59 seconds to end the alert.
- 4. Pages refresh multiple times when the screen resolution changes state (resolution change, off to on, on to off, etc)
- 5. Multiple Alerts can show as the active Alert on the dashboard, even though only one alert can actually be active. The only active alert is the newest alert posted to the group. There is no way to clear old alerts, and each must be ended individually. The only way to stop it is to turn it off manually.
- 6. While the full page overlay can display more than 8 Lines of information, at this time text is truncated after the 8th line of text.
- 7. Edit group option is not available.
- 8. While editing a scheduled alert, the send now option is not available.
- 9. The user is unable to assign a device from parent organization even if the device is present under any other sub group.



- 10. Clear option is not available for the filters in users and alerts. The user has to remove the selected filter by pressing the backspace key.
- 11. When the device name is updated in Device Management and checked in the "Assign Devices to Group" section, the name does not refresh automatically, and the old name continues to be displayed.
- 12. After the device name is edited, the "Assign Devices to Group" button remains enabled for selection, despite the device not being selected.
- 13. On some screens, if the original source sends a CEC off command while there is an active alert, the FlashCast command to turn the screen back on may not be recognized.
- 14. IOT Agent and firmware version number will not be displayed for the devices in the device management table when we search for a device or select any group in the device management table.
- 15. Duplicate records are being created when DAS alert is sent for Admin approval.
- 16. Once the alert is created, the latest created alert should be shown at the top of the list.



# 1.2.6 - Everbridge release, Bug fixes, and Engineering Release for RSS

#### **Issues Fixed**

- 1. On 4k displays if the system is originally booted without the output being active because the input is inactive or the output display is off/standby, is it possible that the FlashCast overlay may only cover 1/4th the screen.
- 2. CEC commands to turn on the display from an off/standby state are not well tested.
- 3. On some TVs, the screen pass through does not properly wake up when the source goes from off to active

#### Features Added

- EverBridge Integration: From the third-party Integration, the user can integrate EverBridge software with the FlashCast application and push the alerts to the FlashCast system and devices.
- Initial Engineering only release for support of RSS feeds.

- 1. All resolutions not listed under release note 1.2.1 will show unexpected behavior
  - a. Any resolution above 1920x1080, but less than 4k does not scale the overlay, so an overlay will have portions of the screen that may not have template elements. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 1920x1200 (16:10 aspect ratio) display, all overlay pixels from from 1081->1200 vertically will be standard display pixels and will not be affected during an event.
  - b. Any resolution below 1920x1080 does not scale the overlay, so text and or graphics will potentially be cut off. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 480p screen (640x480), all overlay pixels from 641->1920 horizontally and 481->1080 vertically will be cut off and not displayed.
  - c. Image pass thru on 8k displays will work but the overlay of FlashCast will most likely not work properly. 8k support is not well tested. It is not recommended at this time to use FlashCast on 8k displays. However, please report issues.
- 2. The text ticker randomly pauses for a second or so before restarting
- 3. Pages refresh multiple times when the screen resolution changes state (resolution change, off to on, on to off, etc)



- 4. Multiple Alerts can show as the active Alert on the dashboard, even though only one alert can actually be active. The only active alert is the newest alert posted to the group. There is no way to clear old alerts, and each must be ended individually. The only way to stop it is to turn it off manually.
- 5. While the full page overlay can display more than 8 Lines of information, at this time text is truncated after the 8th line of text.
- 6. Red Dots or other display corruption can occur after a long time when an alert is posted.
- 7. Edit group option is not available.
- 8. While editing a scheduled alert, the send now option is not available.
- 9. The user is unable to assign a device from parent organization even if the device is present under any other sub group.
- 10. Clear option is not available for the filters in users and alerts. The user has to remove the selected filter by pressing the backspace key.
- 11. When the device name is updated in Device Management and checked in the "Assign Devices to Group" section, the name does not refresh automatically, and the old name continues to be displayed.
- 12. ID-1523: After the device name is edited, the "Assign Devices to Group" button remains enabled for selection, despite the device not being selected.
- 13. On some screens, if the original source sends a CEC off command while there is an active alert, the FlashCast command to turn the screen back on may not be recognized.
- 14. The large font ticker does not properly function unless the source is active (outputting a signal)
- 15. The large font ticker has horizontal gaps between each letter
- 16. IOT Agent and firmware version number will not be displayed for the devices in the device management table when we search for a device or select any group in the device management table.
- 17. ID-1645: Duplicate records are being created when DAS alert is sent for Admin approval.



# 1.2.1 - General Release for additional resolutions and some fixes

#### **Issues Fixed**

- 1. If you originally assign a device to the main company group, you can now unassign it.
- 2. CEC commands to turn the screen on from an off state have been implemented
- 3. The ticker will no longer flicker as it scrolls.
- 4. Display a message/warning to the user when Singlewire token expires
- 5. Disable lowercase letters for user to enter the Device ID.
- 6. Restrict the use of special characters in the Device ID field and update the error message accordingly.

#### Features Added

New resolutions added. We now support resolutions:

- 1280x720
- 1280x800 (Partial. This resolution will use the 1280x720 pages, so the lower 10% of the screen will not be covered)
- 1920x1080
- 1920x1200 (Partial. This resolution will use the 1920x1080 pages, so the lower 10% of the screen will not be covered)
- 2560x1440
- 3840x2160
- 8k support is very limited as of this release
- Any other resolution will utilize the 1920x1080 pages, so portions of the screen may be uncovered, or alerts may not be visible.
- Add debug logs for Organisation Service.
- Initial Engineering only Everbridge Implementation.
- Add Device Id column on Device Management Page Information for all the devices to retrieve Device Logs.

- 1. All resolutions not listed above will show unexpected behavior
  - a. Any resolution above 1920x1080, but less than 4k does not scale the overlay, so an overlay will have portions of the screen that may not have template elements. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 1920x1200 (16:10 aspect ratio) display, all overlay pixels from from 1081->1200 vertically will be standard display pixels and will not be affected during an event.



- b. Any resolution below 1920x1080 does not scale the overlay, so text and or graphics will potentially be cut off. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 480p screen (640x480), all overlay pixels from 641->1920 horizontally and 481->1080 vertically will be cut off and not displayed.
- c. Image pass thru on 8k displays will work but the overlay of FlashCast will most likely not work properly. 8k support is not well tested. It is not recommended at this time to use FlashCast on 8k displays. However, please report issues.
- 2. On 4k displays if the system is originally booted without the output being active because the input is inactive or the output display is off/standby, is it possible that the FlashCast overlay may only cover 1/4th the screen.
- 3. CEC commands to turn on the display from an off/standby state are not well tested.
- 4. Multiple Alerts can show as the active Alert on the dashboard, even though only one alert can actually be active. The only active alert is the newest alert posted to the group. There is no way to clear old alerts, and each must be ended individually. The only way to stop it is to turn it off manually.
- 5. While the full page overlay can display more than 8 Lines of information, at this time text is truncated after the 8th line of text.
- 6. Red Dots or other display corruption can occur after a long time when an alert is posted.
- 7. Edit group option is not available.
- 8. While editing a scheduled alert, the send now option is not available.
- 9. The user is unable to assign a device from parent organization even if the device is present under any other sub group.
- 10. Clear option is not available for the filters in users and alerts. The user has to remove the selected filter by pressing the backspace key.
- 11. When the device name is updated in Device Management and checked in the "Assign Devices to Group" section, the name does not refresh automatically, and the old name continues to be displayed.



### 1.1.8 - Single Bug Fix

#### **Issues Fixed**

 When Enrolling a new device, there is an error where the IP address is shown instead of the Serial Number 10 seconds after booting. The Serial Number should still be used to register the device in the Device ID field in the online portal. It is located on the bottom of the physical device and the original box.

#### Features Added

None

- 1. Resolution scaling is not yet implemented. The only fully supported resolutions are 1920x1080 and 3840x2160. All other resolutions will show unexpected behavior
  - a. Any resolution above 1920x1080, but less than 4k does not scale the overlay, so an overlay will have portions of the screen that may not have template elements. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 1920x1200 (16:10 aspect ratio) display, all overlay pixels from from 1081->1200 vertically will be standard display pixels and will not be affected during an event.
  - b. Any resolution below 1920x1080 does not scale the overlay, so text and or graphics will potentially be cut off. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 720p screen (1280x720), all overlay pixels from 1281->1920 horizontally and 721->1080 vertically will be cut off and not displayed.
  - c. Image pass thru on 8k displays will work but the overlay of FlashCast will most likely not work properly. 8k support is not well tested. It is not recommended at this time to use FlashCast on 8k displays. However, please report issues.
- 2. On 4k displays if the system is originally booted without the output being active because the input is inactive or the output display is off/standby, is it possible that the FlashCast overlay may only cover 1/4th the screen.
- 3. If you originally assign a device to the main company group, you can't unassign it. You can however, add it to other groups.



- 4. When the display is off and an Alert is posted. An Alert may not post to the device even if it has CEC support. CEC commands to turn on the display from an off/standby state do not work in all cases.
- 5. Multiple Alerts can show as the active Alert on the dashboard, even though only one alert can actually be active. The only active alert is the newest alert posted to the group. There is no way to clear old alerts, and each must be ended only way to stop it is to turn it off manually.
- 6. While the full page overlay can display more than 8 Lines on information, at this time text is truncated after the 8th line of text.
- 7. Red Dots or other display corruption can occur after a long time when an alert is posted.
- 8. The ticker will flicker as it scrolls. The white background is being erased and re-painted. This is being addressed



## 1.1.7 - Initial Release

Known Issues 1.1.7

- 1. Resolution scaling is not yet implemented. The only fully supported resolutions are 1920x1080 and 3840x2160. All other resolutions will show unexpected behavior
  - a. Any resolution above 1920x1080, but less than 4k does not scale the overlay, so an overlay will have portions of the screen that may not have template elements. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 1920x1200 (16:10 aspect ratio) display, all overlay pixels from from 1081->1200 vertically will be standard display pixels and will not be affected during an event.
  - b. Any resolution below 1920x1080 does not scale the overlay, so text and or graphics will potentially be cut off. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 720p screen (1280x720), all overlay pixels from 1281->1920 horizontally and 721->1080 vertically will be cut off and not displayed.
  - c. Image pass thru on 8k displays will work but the overlay of FlashCast will most likely not work properly. 8k support is not well tested. It is not recommended at this time to use FlashCast on 8k displays. However, please report issues.
- 2. On 4k displays if the system is originally booted without the output being active because the input is inactive or the output display is off/standby, is it possible that the FlashCast overlay may only cover 1/4th the screen.
- 3. If you originally assign a device to the main company group, you can't unassign it. You can however, add it to other groups.
- 4. When the display is off and an Alert is posted. An Alert may not post to the device even if it has CEC support. CEC commands to turn on the display from an off/standby state do not work in all cases.
- 5. When registering a new device, there is an error where the IP address is shown instead of the Serial Number 10 seconds after booting. The Serial Number should still be used to register the device in the Device ID field in the online portal. It is located on the bottom of the physical device and the original box.



- 6. Multiple Alerts can show as the active Alert on the dashboard, even though only one alert can actually be active. The only active alert is the newest alert posted to the group. There is no way to clear old alerts, and each must be ended only way to stop it is to turn it off manually.
- 7. While the full page overlay can display more than 8 Lines on information, at this time text is truncated after the 8th line of text.
- 8. Red Dots or other display corruption can occur after a long time when an alert is posted.
- 9. The ticker will flicker as it scrolls. The white background is being erased and re-painted. This is being addressed