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ADVANCED
NETWORK DEVICES

Using Message Priorities with InformaCast

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Static Electric Warning



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Complete Support Site with User Guides & Help: <http://www.anetd.com/user-support/>

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OVERVIEW

All AND devices can trigger pre-programmed behavior based on an audio and/or text message's specified priority level. These actions include activation of one or more of the up to three LED flashers, message text color changes, and activation of the general purpose output, used for interfacing with external devices such as a strobe.

When configuring such actions to be initiated from InformaCast, we can do so by adding the proper configuration to the devices.

CONFIGURATION THROUGH INFORMACAST

To edit the configuration of devices registered to InformaCast, we will first need to access and edit the global configuration file.

1. Download and open an FTP client like WinSCP or FileZilla.
2. Access your InformaCast server using SFTP and port 22. The default username is "admin" with no password.
3. Navigate to /data/d_[version]/usr/local/singlewire/InformaCast/web/resources/
4. Find and open the global configuration file named InformaCastSpeaker.cfg

With the global file open, we can now enter configuration to add to the devices. The first step is to open a <Priorities> tag to place action tags into. Each action can have any of the following variables defined for it:

<code>priority="[upper] - [lower]"</code>	the assigned priority which will trigger the action
<code>message_color="#FFFFFF"</code>	the color of text to be displayed
<code>message_background="#FFFFFF"</code>	the color of the text background to be displayed
<code>flashers="[left] [mid] [right] ,bright"</code>	the blink rate and brightness of each flasher (while text is displayed)
<code>flashers_color="[left] , [mid] , [right]"</code>	the colors or each flasher (while text is displayed) (RGB flasher models only)
<code>flashers_gaps="[left] [mid] [right] ,bright"</code>	the blink rate and brightness of each flasher (no text displayed)
<code>flashers_gapcolor="[left] , [mid] , [right]"</code>	the colors or each flasher (no text displayed) (RGB flasher models only)
<code>gpio0="1"</code>	activates device output during message

CONFIGURING FLASHERS

Flasher parameters are parsed differently depending on the model receiving the configuration. If the device has only one flasher, only the values for [left] are read. Devices without RGB flashers (preset to red, white, blue respectively) will ignore any flasher color configuration, and can only accept preset (not hex) colors for message and background colors.

Flasher Parameters

<code>flashers="[left] [mid] [right] , [brightness]"</code>	<p>[left] [mid] and [right] define the blink rate of each flasher. Each parameter should be replaced with one of the following:</p> <p>0: Off</p> <p>1: On</p> <p>F: Fast [200ms on / 300ms off]</p> <p>S: Slow [200ms on / 800ms off]</p> <p>2-9: blink once every 2-9 seconds (integers only)</p> <p>[brightness] defines the brightness of all three flashers. The parameter should be replaced with one of the following:</p> <p>ultradim, verydim, dim, or bright</p>
<code>flashers_color="[left] , [mid] , [right]"</code>	<p>[left] [mid] and [right] define the color of each RGB flasher. Each parameter should be replaced with either a hex color value or one of the preset color names.</p>
<code>flashers_gaps</code>	defined in the same way as <code>flashers</code>
<code>flashers_gapcolor</code>	defined in the same way as <code>flashers_color</code>

EXAMPLE

Below is a complete example Priorities tag with valid parameters:

```
<Priorities>
  <action
    priority="1-5"
    message_color="red"
    message_background="brightblue"
    flashers="F1F,bright"
    flashers_color="gold,brightwhite, green"
  />
  <action
    priority="6-10"
    flashers="SSS,dim"
    flashers_color=" yellow,terracotta,cherry"
    flashers_gaps="S5S,verydim"
    flashers_gapcolor="#D0C090,ochre,#AD14DB"
    gpio0="1"
  />
</Priorities>
```

This example has two actions specified. One of which activates upon receiving a message of priority 1-5 (inclusive), the other on priority 6-10.

For example, a message of priority 4 will cause the device to display any text in red with a blue background. The left flasher will blink fast and be gold, the middle will be statically on and white, and the right will blink fast and be green. These flashers will be active only while text is being displayed.

A message of priority 10 will blink all flashers slowly with colors yellow, terracotta, and cherry during text, and #D0C090, ochre, and #AD14DB when no text is displayed. The ochre light will blink once every 5 seconds. This action will also activate the output of the device for the duration of the message – for example to activate a strobe like our AND-STROBE-KIT-1.

USE

To have InformaCast trigger these priority-based actions, we will need to assign a priority to the messages it sends. To do this, we will use notification profiles.

1. Navigate to Notifications > Notification Profiles, then click “Create Notification Profile”
2. After naming it, go to the “On-premises Server” tab and enable the button
 - a. Under General Settings, select any Message Type that includes Audio
 - b. Under Audio Settings, set the Priority.
3. To link this priority to a message, navigate to Notifications > Message Templates
 - a. Create or edit a message template, then select “Notification Profile Settings”
 - b. Select the correct notification profile, then save the template.