



Using the CyberData InformaCast Enabled RGB Strobe



Document Part #931702B

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Revision Information

Revision 931702A was released on August 28th, 2019.

- Initial Release

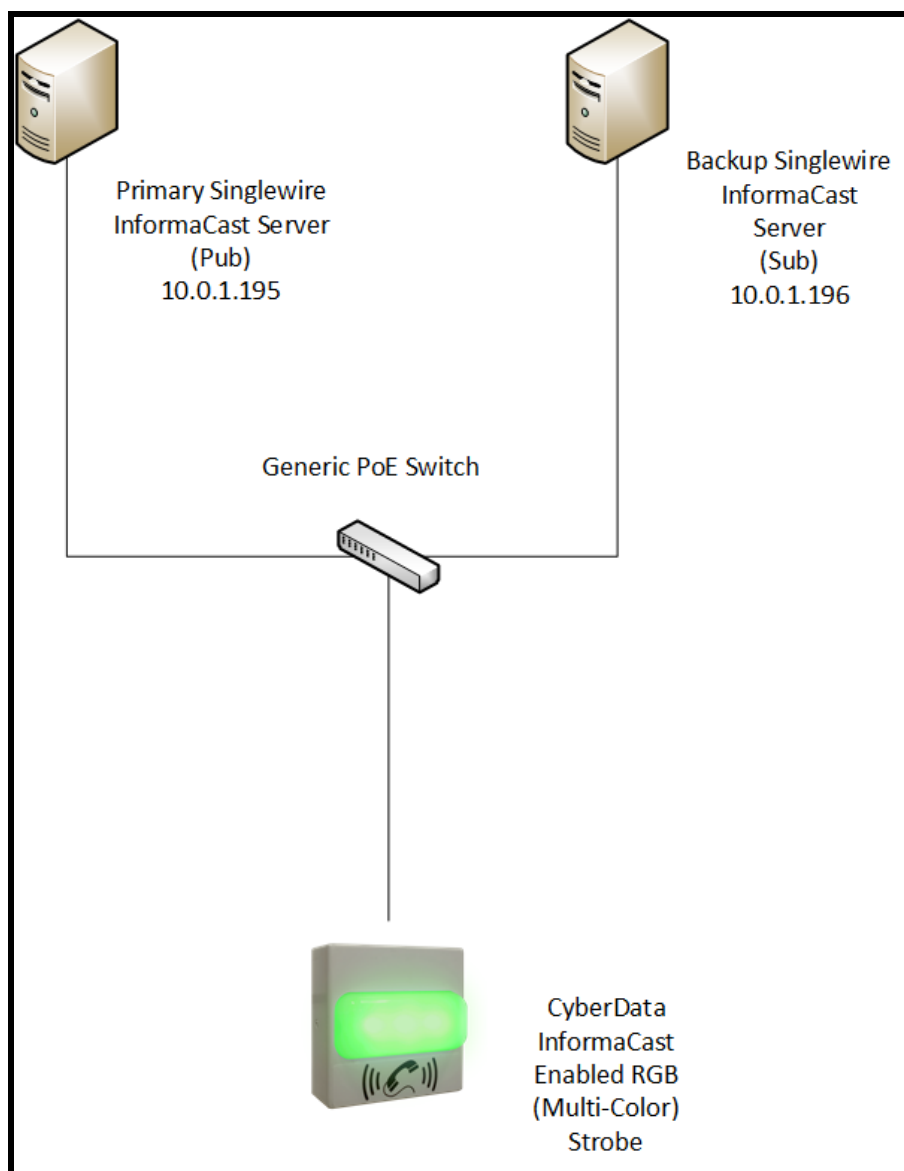
Revision 931702B was released on September 3rd, 2019.

- CyberData InformaCast Enabled Outdoor (Multi-Color) Strobe added.

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1.0 Setup Diagram



2.0 Test Setup Equipment

Equipment	Part Number	Firmware Version
CyberData InformaCast Enabled RGB (Multi- Color) Strobe	011377	Serial Number (3771xxxxx): 11.8.0 Serial Number (3772xxxxx): 20.0.0
CyberData InformaCast Enabled Outdoor RGB (Multi-Color) Strobe	011489	Serial Number (4980xxxxx): 20.0.0
InformaCast	---	12.1.1 21630

3.0 Before You Start

Singlewire/InformaCast uses SLP as the primary method of discovery when adding devices to your InformaCast server. It will be important to make sure you have SLP enabled on the InformaCast Server and Multicast enabled on your switches. If you are unsure about SLP configuration Singlewire has excellent documentation on enabling those features.

Registering and Troubleshooting your IP Speakers:

<https://www.singlewire.com/blog/emergency-notification/ip-speaker-register>

IP Speaker Registration and Troubleshooting Guide:

<https://support.singlewire.com/s/article/IP-Speaker-Registration-and-Troubleshooting-Guide>

Product Documentation and Utilities

Before you start, download the Operation and Quick Start guides from the downloads section of the product webpage:

CyberData InformaCast Enabled RGB (Multi-Color) Strobe

<https://www.cyberdata.net/collections/singlewire/products/011377>

CyberData InformaCast Enabled Outdoor RGB (Multi-Color) Strobe

<https://www.cyberdata.net/collections/singlewire/products/011489>

The CyberData Discovery Utility can be used to locate CyberData devices on your network. You may download it from the following web address:

<http://www.cyberdata.net/assets/common/discovery.zip>

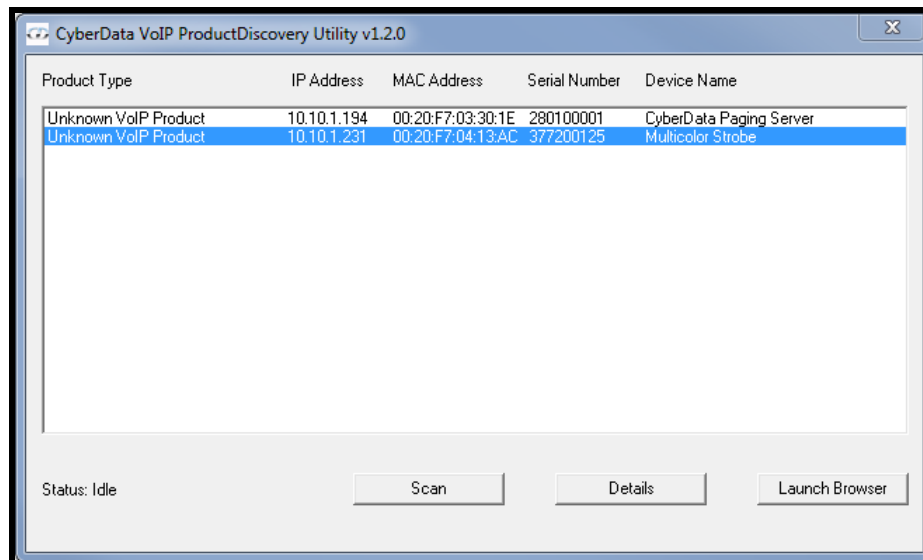
Note: DHCP addressing mode is enabled on default on all noted firmware levels.

4.0 Configuration Procedure: Setting up the Strobe

With SLP enabled once the Strobe is connected to the network it should detect the Singlewire/InformaCast server(s) and fetch its configuration file. This is easy to verify via the **Home** page of the Strobe's web interface.

1. Click **Launch Browser** from the CyberData Discovery Utility or point your browser to the CyberData device's IP address to access the **Home** page of the web interface.

Figure 1. Discovery Utility



2. Enter the default credentials when prompted, and click the **Log In** button.

Username: admin

Password: admin

Figure 2. Web Interface Login

- Once the credentials have been entered, you will be sent to the **Home** page of the strobe's web interface.

Figure 3. InformaCast Enabled Strobe Home Page

CyberData InformaCast Enabled Multicolor Strobe

Current Status

Serial Number: 377200125
 Mac Address: 00:20:f7:04:13:ac
 Firmware Version: v20.0.0
 Partition 2: v20.0.0
 Partition 3: v20.0.0
 Booting From: partition 2
 Boot From Other Partition

IP Addressing: DHCP
 IP Address: 10.10.1.231
 Subnet Mask: 255.0.0.0
 Default Gateway: 10.0.0.1
 DNS Server 1: 10.0.1.56
 DNS Server 2:

SIP Mode: Enabled
 Multicast Mode: Disabled
 Event Reporting: Disabled
 Nightringer: Disabled

Primary SIP Server: **Not registered**
 Backup Server 1: Not registered
 Backup Server 2: Not registered
 Nightringer Server: Not registered

Intrusion Sensor: Triggered

Admin Settings

Username: admin
 Password: *****
 Confirm Password: *****
 Save Reboot Toggle Help

Import Settings

Choose File No file chosen
 Import Config

Export Settings

Export Config

The **Home** page gives a quick view of the device's status. It is possible to view information relating to Network Configuration, SIP registration status and firmware version are shown on the Home tab.

Note: The web interface of an InformaCast enabled strobe may look different between firmware versions. The process of using the product has not changed, just the layout of the web interface.

- Click on the **Device** menu button to navigate to the **Device** page.

Figure 4. Device Page

CyberData InformaCast Enabled Multicolor Strobe

Clock Settings

Enable NTP: ☒
 NTP Server:
 Timezone:
 Current Time: Tue, 03 Sep 2019 16:13:12

Misc Settings

Device Name:
 Disable HTTPS (NOT recommended): ☐

InformaCast Settings

InformaCast Address:

InformaCast Strobe Settings

Priority	Scene	Brightness	Color	Red	Green	Blue	
1	ADA ▼	255	Color ▼	255	255	255	Preview
2	ADA ▼	255	Color ▼	255	255	255	Preview
3	ADA ▼	255	Color ▼	255	255	255	Preview
4	ADA ▼	255	Color ▼	255	255	255	Preview
5	ADA ▼	255	Color ▼	255	255	255	Preview
6	ADA ▼	255	Color ▼	255	255	255	Preview
7	ADA ▼	255	Color ▼	255	255	255	Preview
8	ADA ▼	255	Color ▼	255	255	255	Preview
9	ADA ▼	255	Color ▼	255	255	255	Preview
10	ADA ▼	255	Color ▼	255	255	255	Preview

Relay Settings

Activate Relay During Ring: ☐
 Activate Relay During Night Ring: ☐
 Activate Relay on InformaCast: ☐

Save **Reboot** **Toggle Help**

- The **Singlewire Broadcast Strobe Settings** section is where the majority of configuration will take place regarding use with InformaCast.

Figure 5. Device Page - Singlewire Broadcast Strobe Settings

InformaCast Strobe Settings							
Priority	Scene	Brightness	Color	Red	Green	Blue	
1	Fast Fade ▼	255	Color ▼	255	255	255	Preview
2	Slow Fade ▼	255	Color ▼	255	200	0	Preview
3	Fast Blink ▼	255	Color ▼	255	35	0	Preview
4	Slow Blink ▼	255	Color ▼	255	0	0	Preview
5	ADA ▼	255	Color ▼	255	255	255	Preview
6	Fast Blink ▼	255	Color ▼	255	5	100	Preview
7	Fast Fade ▼	255	Color ▼	70	0	128	Preview
8	Slow Fade ▼	255	Color ▼	0	0	255	Preview
9	Fast Fade ▼	255	Color ▼	0	250	60	Preview
10	Off ▼	255	Color ▼	255	255	255	Preview

The strobe can blink a different “Scene” for each of the ten priorities sent from InformaCast. The scenes are; ADA, Fast Blink, Slow Blink, Fast Fade, and Slow Fade. Each priority can blink a different color, which can be chosen from the drop-down menu or a custom color can be used with standard RGB values. Brightness can also be adjusted for each priority.

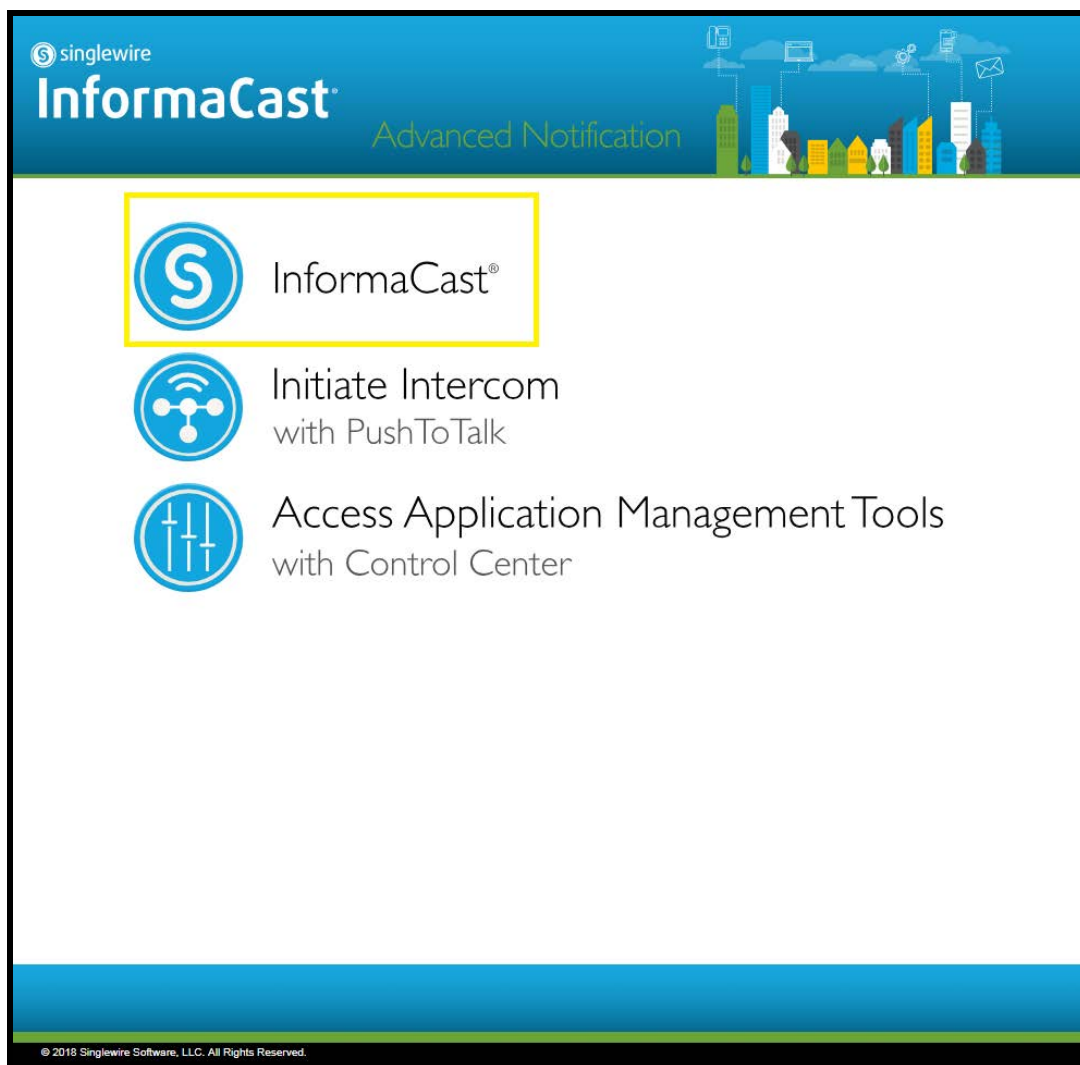
- Once you have set the desired blink scenes, make sure to click on the **Save** and **Reboot** buttons for the changes to take effect.

5.0 Configuration Procedure: Setting up the Strobe in InformaCast

For the next portion of setup, the Strobe must now be added as a Speaker in the InformaCast system. To begin this process, navigate to the web interface of the InformaCast server.

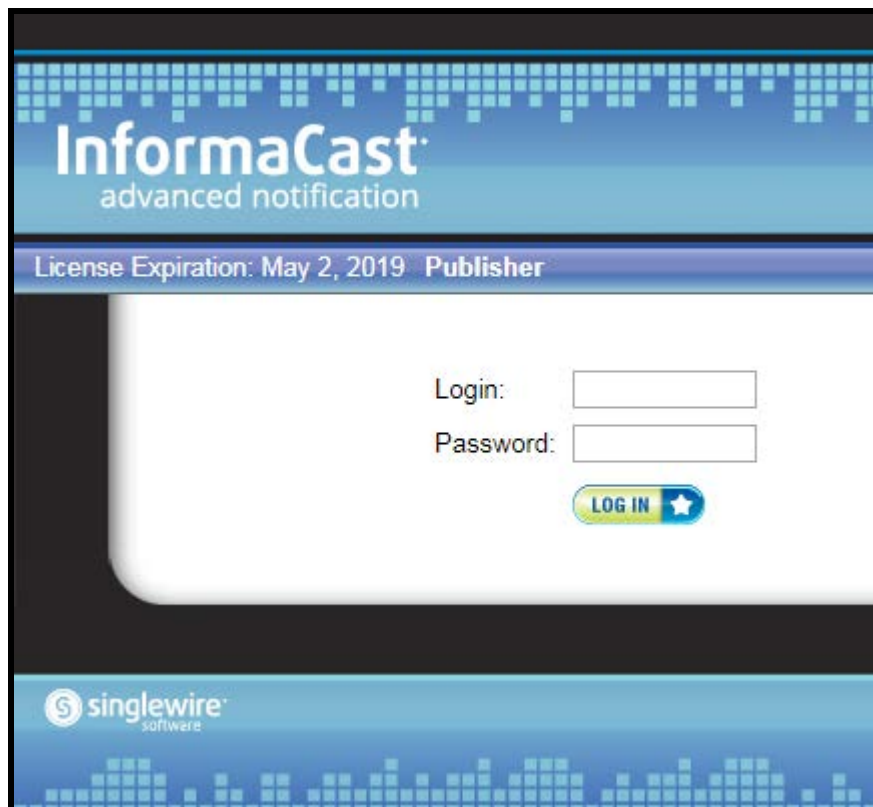
1. Point your browser to the IP Address of your InformaCast server.
2. From the Landing Page select **InformaCast**.

Figure 6. InformaCast Landing Page



3. A new tab should open prompting for Login credentials for the server.

Figure 7. InformaCast Login

The image shows a web browser window displaying the InformaCast login interface. The header features the 'InformaCast' logo with the tagline 'advanced notification' below it. A status bar indicates 'License Expiration: May 2, 2019' and 'Publisher'. The main content area contains a login form with two input fields: 'Login:' and 'Password:'. Below these fields is a 'LOG IN' button with a star icon. The footer displays the 'singlewire software' logo. The interface has a blue and white color scheme with a pixelated pattern at the top and bottom.

4. Once credentials have been entered correctly, the browser should be forwarded to the InformaCast Home tab.

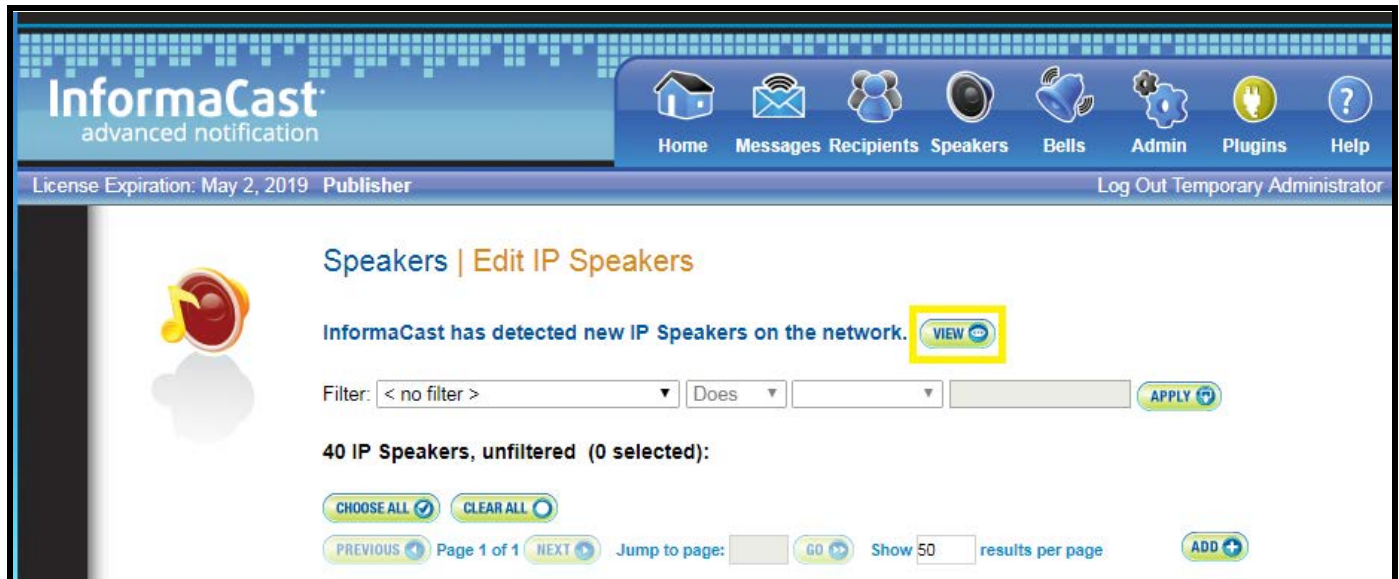
5. From the Home Tab select **Speakers** to add the strobe as a speaker.

Figure 8. Home Tab



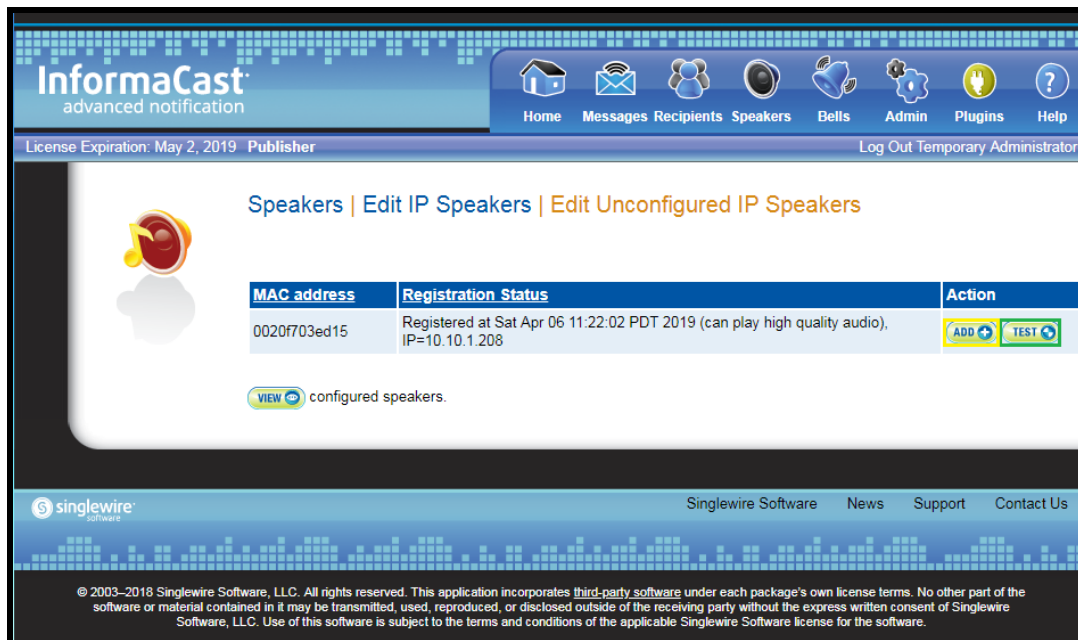
6. On the Speakers tab, you should see a line at the top stating ***“InformaCast has detected new IP Speakers on the network.”*** Press **View**.

Figure 9. Speaker Tab



7. Clicking View will move to the Edit Unconfigured IP Speakers page where you can ADD or Test your device.

Figure 10. Edit Unconfigured IP Speakers



Note: This would be a good time to test the strobe to see how the strobe lights up. Press the Test Button.

8. Press the ADD button to add the Strobe as a Speaker.

Figure 11. Add IP Speaker

The screenshot displays the InformaCast web application interface. At the top, the 'InformaCast' logo is visible with the tagline 'advanced notification'. A navigation bar includes links for Home, Messages, Recipients, Speakers, Bells, Admin, Plugins, and Help. Below this, a status bar shows 'License Expiration: May 2, 2019 Publisher' and a 'Log Out Temporary Administrator' link. The main content area is titled 'Speakers | Edit IP Speakers | Add IP Speaker'. A yellow box highlights the form fields for adding a new speaker: Name (CyberData Informacast Strobe, required), Description (Optional Description), Dial Code (1234), MAC Address (0020f703ed15, required), Volume (10), and Scroll Speed Adjustment (As-is). Below the form, a note states: 'Use the following section to configure the speaker for SIP-based intercom. (Must be a physical speaker and not an IDN or LPI speaker.)'. There is an 'Enable SIP Intercom' checkbox which is currently unchecked. At the bottom of the form area are 'CANCEL' and 'ADD' buttons, with the 'ADD' button highlighted by a yellow box. The footer of the page includes the Singlewire Software logo and contact information, along with a copyright notice: '© 2003–2018 Singlewire Software, LLC. All rights reserved. This application incorporates third-party software under each package's own license terms. No other part of the software or material contained in it may be transmitted, used, reproduced, or disclosed outside of the receiving party without the express written consent of Singlewire Software, LLC. Use of this software is subject to the terms and conditions of the applicable Singlewire Software license for the software.'

9. On this page the strobe can be named, given a description, dial code, and volume. Set the device as desired and press the **Add** button to complete the process.

10. After adding the speaker confirm it is shown as Registered in the list of speakers.

Figure 12. List of Speakers

Speakers | Edit IP Speakers

All new speakers have been added.

Filter: < no filter > Does [] APPLY

41 IP Speakers, unfiltered (0 selected):

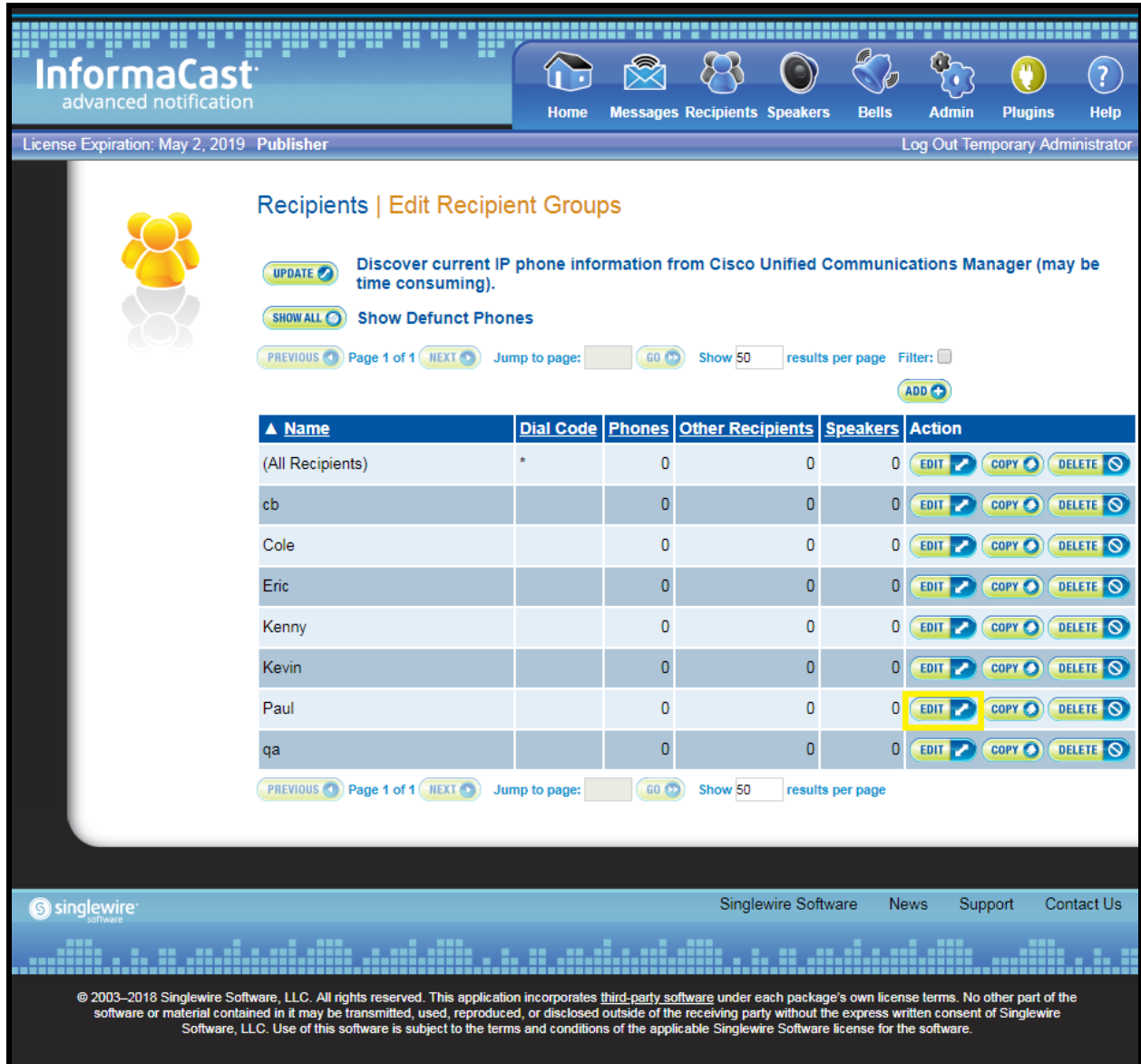
CHOOSE ALL CLEAR ALL

PREVIOUS Page 1 of 1 NEXT Jump to page: GO Show 50 results per page ADD

	Name	Description and Status	Dial Code	Volume	MAC address	Action
<input type="checkbox"/>	cbpa	Status: Registration expired, last seen at Thu Mar 14 10:30:27 PDT 2019 (has GPIO) (can play high quality audio), IP=10.10.1.164		10	0020f703cae8	EDIT DELETE
<input type="checkbox"/>	cbspa	Status: Not registered		12	0020f7033fa9	EDIT DELETE
<input type="checkbox"/>	cbspkr	Status: Not registered SIP Status: Not registered		10	0020f703769c	EDIT DELETE
<input type="checkbox"/>	cbstrobe	Status: Not registered		10	0020f7026194	EDIT DELETE
<input type="checkbox"/>	CD Test TalkBack Speaker	Testing Status: Not registered SIP Status: Not registered		10	0020f703807f	EDIT DELETE
<input type="checkbox"/>	Cole's SW Keypad Intercom	Status: Not registered		1	0020f7038b3f	EDIT DELETE
<input type="checkbox"/>	Cole's V3.1 SWPA	Status: Not registered		10	0020f7033113	EDIT DELETE
<input type="checkbox"/>	CyberData Informacast Strobe	Optional Description Status: Registered at Sat Apr 06 11:32:02 PDT 2019 (can play high quality audio), IP=10.10.1.208	1234	10	0020f703ed15	EDIT DELETE TEST

11. The strobe must now be added to a Recipients Group, please click **Recipients**.

Figure 13. Recipient Groups



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advanced notification

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Recipients | Edit Recipient Groups

UPDATE Discover current IP phone information from Cisco Unified Communications Manager (may be time consuming).

SHOW ALL Show Defunct Phones

PREVIOUS Page 1 of 1 **NEXT** Jump to page: **GO** Show 50 results per page Filter:

ADD

Name	Dial Code	Phones	Other Recipients	Speakers	Action
(All Recipients)	*	0	0	0	EDIT COPY DELETE
cb		0	0	0	EDIT COPY DELETE
Cole		0	0	0	EDIT COPY DELETE
Eric		0	0	0	EDIT COPY DELETE
Kenny		0	0	0	EDIT COPY DELETE
Kevin		0	0	0	EDIT COPY DELETE
Paul		0	0	0	EDIT COPY DELETE
qa		0	0	0	EDIT COPY DELETE

PREVIOUS Page 1 of 1 **NEXT** Jump to page: **GO** Show 50 results per page

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12. Once on the Recipients page please select a group to enter the strobe into, then press Edit.

13. On the Edit Recipient Group page press Individually Edit to add the strobe.

Figure 14. Edit Recipient Group

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advanced notification

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Home Messages Recipients Speakers Bells Admin Plugins Help

Recipients | Edit Recipient Groups | Edit Recipient Group

Name Paul (required)
Dial Code
Tags Add A Tag ▾

Select Recipients

☒ Individually **EDIT**

Defunct Device: IPSpeaker:101527976
IP Speaker: Paul test; MAC address 0020f7039a3a
IP Speaker: Support Speaker v3.1; MAC address 0020f7039103

☐ Filter with Recipient Groups **EDIT**
☐ Filter with Rules
☐ Exclusions **EDIT**

Exclusions are only available when the Recipient Group is Filtered by Recipient Groups or Rules.

VIEW **CANCEL** **UPDATE**

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14. A new popup should appear allowing the strobe to be picked from the list of speakers.

Figure 15. Select Individual Recipients

Select Individual Recipients

Filter: [clear](#)

Available Recipients (double click to select)

	Descriptive Text
▼	IP Speaker: CyberData Informacast Strobe; MAC address 0020f703ed15

Selected Recipients (double click to remove)

	Descriptive Text
▼	Defunct Device: IPSpeaker:101527976
▼	IP Speaker: Paul test; MAC address 0020f7039a3a
▼	IP Speaker: Support Speaker v3.1; MAC address 0020f7039103

[Add](#) [Remove](#)

<< first < prev 1 next > last >>

[Submit](#) [Cancel](#)

15. Use the filter to narrow down the search for the strobe. Select the Strobe from the list, press **Add**, then finally press **Submit**.
16. The browser should then be pointed back to the **Edit Recipients Group** page, press **Update** to save the changes.
17. Once the strobe is added to the group it can now receive messages from the server.

6.0 Configuration Procedure: Creating A Message

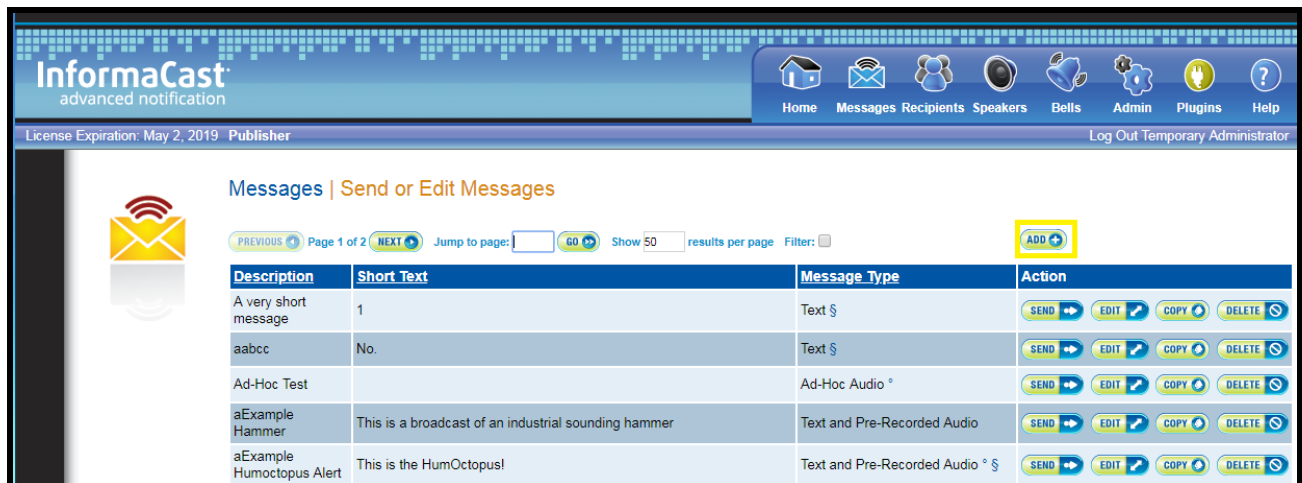
18. Navigate to the **Messages tab** to setup a message.

Note: The strobe can be activated by:

- Pre-Recorded Audio message (Regular or High Quality)
- Text and Pre-Recorded Audio
- Text and Live Audio
- Text and Ad-Hoc Audio
- Live Audio
- Ad-Hoc Audio.

19. From the Messages tab press Add to create a new message

Figure 16. Messages Tab



20. On the Add Message page select the desired message type.

Note: For the purposes of this document a Pre-Recorded Audio Message will be created.

21. Select **Pre-Recorded Audio** in the **Message Type** drop-down menu.

Figure 17. Add Message

InformaCast
advanced notification

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Home Messages Recipients Speakers Bells Admin Plugins Help

Messages | Send or Edit Messages | Add Message

Description: Test Message (required)

Message Type: Pre-Recorded Audio

Style: Normal

Allow Customization: ☐

Audio Re-broadcasting Scripting

Delivery: ☒ Synchronized ☐ As Available

Audio: A 6-second audio message is present. (required) EDIT PLAY DELETE

Pre Tone: No Audio ADD

Post Tone: No Audio ADD

Wait Time: 5 (required)

Skip Phones in Use: ☐

Play Volume: As-Is

Ring Tone: ☐

Message Priority: 5

Replay Enabled: ☐

CANCEL ADD

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22. Set a description for the message, and then upload an audio file to be played.

Note: Keep the Priority level in mind when sending creating the message. A higher-level priority message will supersede any lower priority messages. Since the messages are not queued this could result is a message being missed.

23. Once finished, press **Add** to create the message.

24. On the **Message** tab, the message can be sent with the send message button.

Figure 18. Send Message

Test Message	Pre-Recorded Audio °	SEND ➡	EDIT	COPY	DELETE
tones	Pre-Recorded Audio °	SEND ➡	EDIT	COPY	DELETE

25. On the **Send Message** page, select the desired group and press **SEND**.

Figure 19. Sending a Message

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advanced notification

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Home Messages Recipients Speakers Bells Admin Plugins Help

Messages | Send or Edit Messages | **Send Message**

Message Description: Test Message

Recipients:

Recipient Groups (pick one or more):

PREVIOUS Page 1 of 1 NEXT Jump to page: GO Show 50
 results per page

Name	Recipient Count
<input type="checkbox"/> (All Recipients)	0
<input type="checkbox"/> cb	0
<input type="checkbox"/> Cole	0
<input type="checkbox"/> Eric	0
<input type="checkbox"/> Kenny	0
<input type="checkbox"/> Kevin	0
<input checked="" type="checkbox"/> Paul	1
<input type="checkbox"/> qa	0

PREVIOUS Page 1 of 1 NEXT Jump to page: GO Show 50
 results per page

IP Phone Extension (DN):
 (enter one or more separated by commas)

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7.0 Contact CyberData Corporation

Sales

For sales-related questions, please visit our [Contact CyberData Sales](#) web page for more information.

Technical Support

For CyberData Technical Support, please submit a [Contact CyberData VoIP Technical Support](#) form on our website.

The CyberData VoIP Technical Support Contact form initiates a troubleshooting ticket which CyberData uses for quality assurance purposes.

Additionally, the Contact VoIP Tech Support form tells us which phone system you are using, the make and model of the network switch, and other essential troubleshooting information we need to efficiently assist with a resolution. Please also include as much detail as possible in the Describe Problem section of the form. Your installation is extremely important to us.

Documentation Feedback

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