

Singlewire InformaCast

Guide – Testing & Configuration



singlewire InformaCast[®]

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Information Notices



Note

Note indicates useful updates, information, and instructions that should be followed

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1 GENERAL

1.1 Introduction

Most Algo IP Speakers, Paging Adapters, and Visual Alerters are certified for compatibility and interoperability with Singlewire InformaCast, accommodating solutions for your voice paging, emergency notification, and alerting requirements.

Algo simplifies the integration of its devices with Singlewire InformaCast by offering a range of Singlewire-certified IP endpoints. A selection of part numbers that come bundled with the necessary Singlewire license, ready-to-use devices, are available for order: <u>8128-IC</u>, <u>8138-IC</u>, <u>8180-IC</u>, <u>8186-IC</u>, <u>8188-IC</u>, <u>8189-IC</u>, <u>8190-IC</u>, <u>81905-IC</u>, <u>8410-IC</u>, <u>8420-IC</u>, and <u>8301-IC</u>. If you have a device that isn't an IC product, you can still make it IC-compatible by obtaining the <u>license</u> <u>separately</u>.

The following endpoints are compatible with the Microsoft Teams SIP Gateway:

IP Speakers

- 8180G2 IP Audio Alerter
- 8186 IP Horn Speaker
- 8188 IP Ceiling Speaker
- 8189 IP Surface Mount Speaker
- 8190 IP Speaker Clock
- 8190S IP Speaker Clock & Visual Alerter
- 8196 IP PoE+ Horn Speaker
- 8198 IP PoE+ Ceiling Speaker

IP Visual Alerters

- 8128G2 IP Visual Alerter
- 8138 IP Color Visual Alerter

IP Paging Adapters

• 8301 IP Paging Adapter & Scheduler

IP Display Speakers

- 8410 IP Display Speaker
- 8420 IP Dual-Sided Display Speaker



2 REGISTERING ALGO IP ENDPOINTS WITH INFORMACAST

The following are the steps to add any Algo device to the InformaCast server.

STEP 1. Verify that the InformaCast License is Installed

- 1. Open the web interface of the Algo device by entering its IP address on a web browser.
- 2. In the Status tab, look for InformaCast License field towards the bottom of the page. If it shows "Verified", the InformaCast license has been installed.
- 3. If there's no InformaCast license displayed in the Status tab, navigate to the *Advanced Settings* → *Admin* tab. Towards the end of the page, make sure "InformaCast Support" is enabled.
- 4. If the InformaCast License displays "Verified" in the *Status* tab, proceed to step 3. Otherwise, proceed to step 2.

Status Basic Settings Additional Features 5	Scheduler Advanced Settings System Logout	
Device Status		
Velcome to the Algo 8301 IP Paging A	dapter & Scheduler	
etting up your IP Paging Adapter & Scheduler:		
tep 1: Configure your IP Paging Adapter & Sc	heduler	
og in with the default password and use the Basic	Settings pages to set up the basic information.	
tep 2: Check network settings (Optional)		
ise the Network page under the Advanced Settings lan to assign a static IP address, Mask, and Gatew	tab to change network settings. The default setting for the device is to obtain its IP address from a DHCP server. Contact your Network S ay to the device.	System administrator if you
tep 3: Secure your IP Paging Adapter & Sche	duler (Optional)	
ise the Admin page under the Advanced Settings to Changing the password is extremely important if	ab to change the administrator password. the device is directly connected to a public network.	
itep 4: Register your IP Paging Adapter & Sch	eduler (Optional)	
lease register your product using the link below:		
ttp://www.algosolutions.com/register		
ttp://www.algosolutions.com/register egistration ensures your access to the latest upgra	ides to this product and important service notices.	
ttp://www.algosolutions.com/register egistration ensures your access to the latest upgra Status	ndes to this product and important service notices.	
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Figure 1: Verify InformaCast License in Device Status

ALGO

STEP 2. Acquiring and Installing the InformaCast License

- 1. Algo simplifies the integration of its devices with Singlewire InformaCast by offering a range of Singlewire-certified IP endpoints. Any device with a "-IC" in the part number (e.g., 8301-IC), should have an InformaCast license installed from factory. The part number can be verified by looking at the label on the back of the device.
- 2. If you have an IC device, but the option to enable InformaCast support in the Advanced Settings → Admin tab is greyed out, contact Algo Support for assistance.
- 3. If you have a device that isn't an IC product, you can still make it InformaCast compatible by obtaining the license separately. To get the license, please purchase it though our website (SL7100 InformaCast License).

STEP 3. Registering and Locating Algo device on InformaCast

- 1. Once the license is installed and verified, the Algo device will automatically find, register, and download the configuration template with InformaCast over the IP network. There are three discovery methods available:
 - SLP (Service Location Protocol)
 - DHCP Option 150
 - DNS SRV
- 2. Once the automatic discovery and registration process is complete, the Algo device will be available under IP speakers in InformaCast. You may also see the device under *IP Speakers* → *Unconfigured IP Speakers*.

■ InformaCas	st				>		0 6) Updat
Q Search Menu	×	IP SPEAKERS						fusion
Recipients Users Distribution Lists Deskton Devices	-	List IP Speakers	ehich InformsCast can communicate (once multicast, DHCP; and SLP are correctly configured on your network) along with controls which InformsCast can communicate (once multicast, DHCP; and SLP are correctly configured on your network) along with controls	s for the IP speakers' behavior.				•
Desktop Devices Device Groups Areas of Interest Tracking Events		Note Looking to a	dd multiple speakers at once? Use our <u>Bulk Upload</u> tool.					
 Outbound Systems IP Speakers 		Q Search						
 Desktop Notifiers Legacy Paging Interface 	•	3.0 8188	DESCRIPTION AND STATUS Speaker Status: Not registered	VOLUME 3	0022ee0701c4		/	1
→ Paging Gateway ① M2M	+	8138 Strobe	Speaker Status: Registered at Pri Aug 11 14:55:30 PDT 2023, IP-10:30:19:136	12	0022ee00a027	/ 8	00	1
		9190 002747	Consider Control Destination region last even at Cri Ave 04 00-EE-00 DNT 2022 (D=10.20.247.10)	10	002200002747		-	-



If the Algo device is not visible under IP Speakers, the discovery and registration process most likely failed, due to server misconfiguration or network issues. The <u>IP Speaker Registration and Troubleshooting Guide</u> provides information and steps to troubleshoot. Alternatively, Algo devices accommodate manual registration. Enable Manual Mode in the *Advanced Settings* → *Admin* tab. Enter the server's **Download Method**, **IP Address** and **Port Number**.



3 SENDING A NOTIFICATION TO IP SPEAKERS AND PAGING ADAPTERS

- 1. Create a Notification Profile, for example, "Speaker Test".
- 2. To edit the profile, go to the *Fusion Server* tab.
- 3. Change the audio settings and select the audio file you want to send.
- 4. Save profile.
- 5. Now, create a device group under Recipients. The group must contact all IP Speakers and Paging Adapter you want to send the notification to.

D Basic Information					
Name	Speaker group				
Devices	IP Speaker: 8180 - 002747; MAC address 0022ee002747 ④ ×				
	Devices to include in the device group. These will not be affected by filters.				

Figure 3: Creating Device Group in InformaCast

- 6. Now go to Message Template and create a Template.
- 7. You can assign a Profile (Speaker Test) to the template (optional) or change the audio from the template as well.
- 8. Assign the device group to the template.

Distribution Lists	Device Groups	Users	Outbound Systems	Areas of Interest
Tip Select specific rec	ipients from the options you've	included, or leave them blar	nk and customizable to select the	m when you send your no
•	•			
ution Lists				
ibution Lists		~ 6		

Figure 4: Assigning the device group to a template

9. Save the template and press Send.



4 SENDING A NOTIFICATION TO IP VISUAL ALERTERS (8128 AND 8138)

Follow the steps outlines under <u>Sending a Notification to IP Speakers and Paging Adapters</u> to create a profile and group.



Note

To change the strobe pattern of the visual alerter, change the Priority value in the notification profile under the Fusion Serve tab.

Priority 1 maps to Pattern 1 displayed under the Basic Settings \rightarrow Strobe tab in the Algo web interface. As there are only 10 numbers in the Priority list, you can select up to 10 patterns via InformaCast.

K Notifications	-	Click here to upload a file or drag a file to automatically upload.
► <u>Notification History</u>		
Message TemplatesConfirmation Requests		Wait Time
Command Center	+	The maximum number of seconds InformaCast will wait for recipient activation before beginning a notification.
A Notification Profiles		Volume
 Follow-up Message Templa 	te	As Is 🗸 🗸
₩ DialCast	+	Priority
😋 CallAware	+	4 ~
05 Scheduled Notifications		Skip Phones in Use



5 SENDING A NOTIFICATION TO IP DISPLAY SPEAKERS (8410 AND 8420)

Follow the steps outlines under <u>Sending a Notification to IP Speakers and Paging Adapters</u> to create a profile and group.

Sending Images and Text:

- 1. Ensure the device is running firmware version 5.4 or higher.
- 2. Under the Fusion Server tab of your notification profile, add the image that needs to be sent from InformaCast.



Note

Images will be displayed at their native resolution. For best results, always use images in 1920 x 1080 resolution.

3. The image must be uploaded under the Icon section.



Icon

Icons display next to a notification's Subject contents on supported devices.



Figure 6: Upload image under Icon section

4. To send text, add the following text settings to the profile. These settings can be changed based on user preference.

Text Settings Define the display settings for r	otification text sent to on-premises recipients.	
Persistent Text Notification text will remain indefini	ely on the display of Cisco IP phones for Unified CM.	
Concatenate Text	itents will be displayed together instead of viewed sep	arately
Scroll Type		
Repetitions	~	
Scroll Repetitions		
Scroll Repetitions		
Scroll Speed		
ooron opeen		

Figure 7: Apply text settings in InformaCast

- 5. Save the profile.
- 6. Go to Message template and add the desired text to the Body field.



Message Template Details • View/edit a message template, its details, recipients, and behavioral settings.		
Notification Profile Settings (Optional) Assign a notification profile to your message template—setting delivery, content, and layout	preferences—and optionally customize its settir	ngs in place.
Content Define the content to include in your message template, e.g. text, audio, image, confirmation Name 8420	response, incident plan, etc.	
Subject Test Display Text Immediately visible on most notification recipients, Subject text is a summary of your notification.	ත් 17/255	
Body Algo 8420 test. Please type your message <u>here</u> Not always immediately visible, Body text provides more details about your notification and requires user	ල් 💽	
Which types of content would you like to include in your message template?	Confirmation Request	4D Incident Plan

Figure 8: Add text details to Message Template in InformaCast

- 7. Assign the device group to the template. (See the <u>Sending a Notification to IP Speakers and Paging Adapters</u> for instructions to create a group).
- 8. Save and send the notification.



Note

In addition to sending images or text, slides can be mapped to the Priority value in the notification profile. Turn on "Enable Screen Display Based on InformaCast Priority Field" on your device under Advanced Settings \rightarrow Admin tab.

If the above feature is enabled, any image from the InformaCast broadcast request will be ignored.

6 TROUBLESHOOTING

Troubleshooting Notifications:

- 1. Ensure the device status on the InformaCast dashboard is green.
- 2. Ensure the device group is assigned properly to the message template.
- 3. Send the test notification.
- 4. If you are unable to send a notification, contact <u>Algo Support</u> for assistance.