

InformaCast EX 8.2.0 Integration Guide

I. Introduction

This InformaCast 8.2.0 Integration Guide provides general instructions for integration of the **VOIP-500 Series Phone/WEBS Paging Modules** with a Singlewire InformaCast EX and Singlewire InformaCast LPI (Legacy Paging Interface) on Cisco Call Manager installation. Please read this instruction set completely before making any changes to the system. For detailed VOIP-500 Series Phone setup instructions, please consult the **VOIP-500 Series Phone Manual** and the **VOIP-500 Cisco UCM 8.x Integration Guide.**

II. Prerequisites

- Cisco Unified Communications Manager (CUCM), version 8.0 or higher pre-installed and functional
- VOIP-500 Series Phone/WEBS Paging Modules registered to receive calls and DTMF via CUCM
- Singlewire InformaCast EX and Legacy Paging Interface (LPI) pre-installed with a working Media Termination Point configured in CUCM.

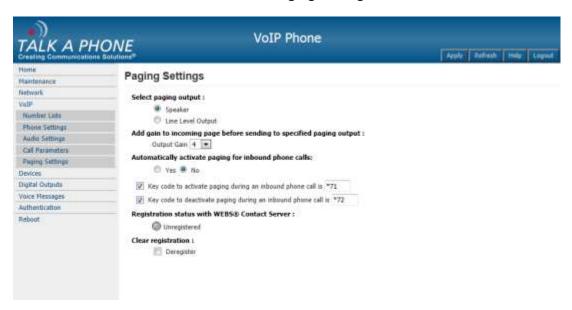
For further information, please see the Singlewire InformaCast LPI Installation and User Guide: http://www.singlewire.com/pdf/LPI_Install_User_Guide.pdf

 Network access to the Singlewire InformaCast EX Server and VOIP-500 Series Phone/WEBS Paging Module

III. Talk-A-Phone VOIP-500 Series Phone/Paging Modules Configuration

Before configuring the **VOIP-500** to initiate broadcasts via DTMF, complete the steps outlined in the **VOIP-500 Cisco UCM 8.x Integration Guide**, and verify that the VOIP-500 is able to receive calls.

1. In the VOIP-500 main menu, select VOIP > Paging Settings.



Page 1 of 21 Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

2. Enter the following fields on the Paging Settings page. Then click Apply.

Select Paging Output:

Choose the correct output for the audio signal.

Add gain to incoming page before sending to specified output:

Output Gain: Range from 1-20, default setting is 20

Automatically activate paging for inbound Phone calls:

Select No, as we need to use DTMF tones to be able to select specific devices.

Key code to activate paging during an inbound call is:

Select this check box and enter desired code.

Key code to deactivate paging during an inbound call is:

Select this check box if needed and enter desired code.

3. If Line Level Output was selected in step 2 then the **VOIP-**500 may need to be configured to activate the amplifier. From the **VOIP-500** Main Menu select **Devices > Auxiliary Outputs**.

Page **2** of **21** Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

TALK A DUOM	VoIP Phone				
TALK A PHON Creating Communications Solut		Apply	Refresh	Help	Logout
Home	Auxiliary Outputs				^
Maintenance	· · · · · · · · · · · · · · · · · · ·				
Network VoIP	Select Auxiliary Output 1 vand assign a label of Aux Label 1				
Devices	Activate Auxiliary Output upon events :				
Buttons	Button Events				
LEDs	Call with Button #1 is INITIATED of for ENTIRE CALL with duration of 10	secor	nds.		
Auxiliary Inputs	Call with Button #2 is INITIATED for ENTIRE CALL with duration of 10	secor	nds.		
Auxiliary Outputs	Auxiliary Input Events				
Digital Outputs	Auxiliary Input 1 is activated during :				
Voice Messages	Active call state for ENTIRE CALL v with duration of 10 seconds.				
Authentication	Idle state for CONTINUOUS with duration of 10 seconds.				
Reboot	Auxiliary Input 1 is deactivated during :				
	Active call state for ENTIRE CALL v with duration of 10 seconds.				1
	Idle state for CONTINUOUS with duration of 10 seconds.				
	Auxiliary Input 2 is activated during :				
	Active call state for ENTIRE CALL with duration of 10 seconds.				
	Idle state for CONTINUOUS with duration of 10 seconds.				
	Auxiliary Input 2 is deactivated during :				
	Active call state for ENTIRE CALL with duration of 10 seconds.				
	Idle state for CONTINUOUS with duration of 10 seconds.				
	Auxiliary Input 3 is activated during :				
	Active call state for ENTIRE CALL with duration of 10 seconds.				
	Idle state for CONTINUOUS with duration of 10 seconds.				
	Auxiliary Input 3 is deactivated during :				
	Active call state for $\begin{array}{ c c c c c c c c c c c c c c c c c c c$				
	Idle state for CONTINUOUS with duration of 10 seconds.				
	Remote Side Key Codes W Key code *71 is entered by Remote Side for ENTIRE CALL with duration of	10	seconds.		

- **4.** From the dropdown menu at the top of the page select the Auxiliary Output that is being used to activate the amplifier.
- 5. Under Activate Auxiliary Output upon events, scroll down to Remote Side Key Codes. Check the box and then enter the key code to activate the amplifier. This cannot be the same as the code used in Step 2. Click Apply. If the strobe light should be activated as well, select auxiliary 2 from the drop down list at the top and repeat step 5; make sure to use a different activation code then those previously used.
- 6. Select Authentication from the VOIP-500 Main Menu.
- **7.** Authentication to activate Auxiliary Outputs can be enabled if desired. Complete the following steps and then click **Apply**.

DTMF Access Code:

Guard Access Code always begins with *4* and then the code desired followed by a *.

Aux. Output Activation/Deactivation: If authentication is desired check this box.

Page 3 of 21 Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

TALK A DUO	N/F	VoIP	Phone				
TALK A PHO				Apply	Refresh	Help	Logout
Home Maintenance	Authentication						
Network VoIP Devices Buttons LEDs Auxiliary Inputs Auxiliary Outputs Digital Outputs Voice Messages Authentication Reboot	Username Password Confirm Password DTMF Authentication Guard Access Co Require DTMF Authenti Volume adju Speaker and Voice Messa Vaux. Output Help on the	code: de *4* cation Code for the follor ustments during call d Microphone control duringes Activation/Deactivation e Way" LED Activation/D c on 'Apply' to enable Froot	wing : ing call				

Page 4 of 21 Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

IV. Singlewire InformaCast Legacy Paging Interface Basic Configuration

Basic instructions for integrating a **VOIP-500 Series Phone/WEBS Paging Module** with Singlewire InformaCast Legacy Paging Interface Unified Call Manager 8.0.3a are included. Advanced setup of Singlewire InformaCast Legacy Paging Interface or InformaCast EX features is outside the scope of this document.

1. Using a web browser, connect to the Singlewire LPI Server.

Legacy Paging Interface	Sing sing	glewire*
Version 1.1 Not Logged In	Legacy Paging Interface Administration Logon Name: Password: Login	
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Page 5 of 21 Rev. 9/30/2013

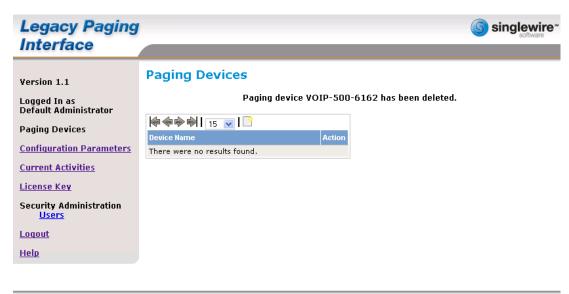


InformaCast EX 8.2.0 Integration Guide

2. Login to Singlewire LPI Administration:



3. Before being able to broadcast to the **VOIP-500 Series Phone/WEBS Paging Module**, Paging Devices and paging zones must first be added to LPI. Begin by selecting **Paging Devices** in the LPI menu:



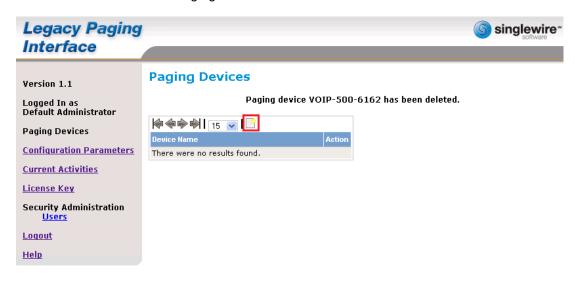
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Page **6** of **21** Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

4. Click the link to add a new Paging Device.



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Page **7** of **21** Rev. 9/30/2013

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InformaCast EX 8.2.0 Integration Guide

5. Enter the following fields to create a new Paging Device:

Device Name: A unique name for each VOIP-500 Series Phone/WEBS Paging Module.

SIP IP Address: The IP Address of the CUCM server.

SIP User: The extension associated with the VOIP-500 Series Phone/WEBS Paging Module.

Legacy Paging			Singlewire*
Interface			
Version 1.1	Paging Device		
Logged In as Default Administrator	Add Paging Device		
Paging Devices	Device Name:	VOIP-500-6162	
Configuration Parameters	SIP IP Address:	192.168.39.40	
	SIP Port:	5060	
<u>Current Activities</u>	SIP User (optional):	6162	
License Key	Max SIP Response Time (seconds; 0=forever):	3	
Security Administration Users	DTMF via:	●RFC2833 ○SIP	INFO
	DTMF Duration (milliseconds):	500	
<u>Loqout</u>	DTMF Volume (0-36; 0=loudest):	4	
<u>Help</u>	Pause Before First DTMF (milliseconds):	500	
	Pause After Last DTMF (milliseconds):	500	
	Paging Zones		
	Zone Name MAC Address DTMF Codes A	ction	
		Add	
	Save Cancel		

Page 8 of 21 Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

6. Now click on Add to create a new paging zone. A new zone will be created and assigned a MAC address. Enter a Zone Name and DTMF code(s) then click Save. See Section III Steps 2, 5, 7 for codes that will need to be entered here. For Example *11**12**72*

A paging zone must be used to provide the DTMF tones necessary to enable paging or activate an auxiliary output on the **VOIP-500 Series Phone/WEBS Paging Module**. They are not for specific zone control.

Legacy Paging Interface			Singlewire software
Version 1.1	Paging Device		
Logged In as Default Administrator	Add Paging Device		
Paging Devices	Device Name:	VOIP-500-6162	
Configuration Parameters	SIP IP Address:	192.168.39.40	
	SIP Port:	5060	
Current Activities	SIP User (optional):	6162	
License Key	Max SIP Response Time (seconds; 0=forever):	3	
Security Administration	DTMF via:	● RFC2833	NFO
<u>Users</u>	DTMF Duration (milliseconds):	500	
<u>Loqout</u>	DTMF Volume (0-36; 0=loudest):	4	
<u>Help</u>	Pause Before First DTMF (milliseconds):	500	
	Pause After Last DTMF (milliseconds):	500	
	Paging Zones		
	Zone Name MAC Address DTMF Codes Action	on	
	Lab 000000A512E3 Del	lete	
	Adı	d	
	Save Cancel		

Page **9** of **21** Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

7. Using a web browser, connect to the Singlewire InformaCast Server.



8. From the Singlewire InformaCast Homepage select IP Speakers>Edit IP Speakers.



Page **10** of **21** Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

9. Click Add to add a new IP Speaker to represent LPI.



Page 11 of 21 Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

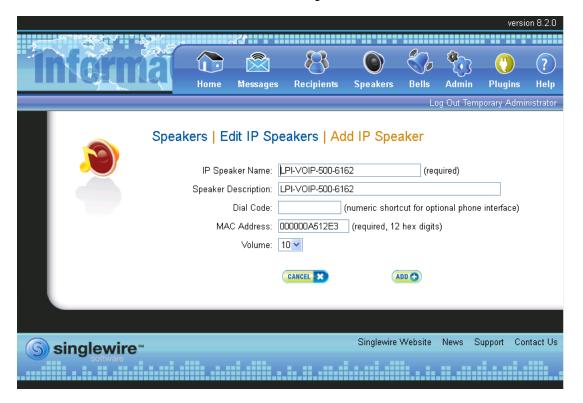
10. Enter the following fields to create a new IP Speaker:

IP Speaker Name: A unique name for each paging zone created in Singlewire LPI.

Speaker Description: A description of the paging zone.

MAC Address: The MAC address assigned to the paging zone in step 6.

Volume: This has no effect on a device that is using the LPI.

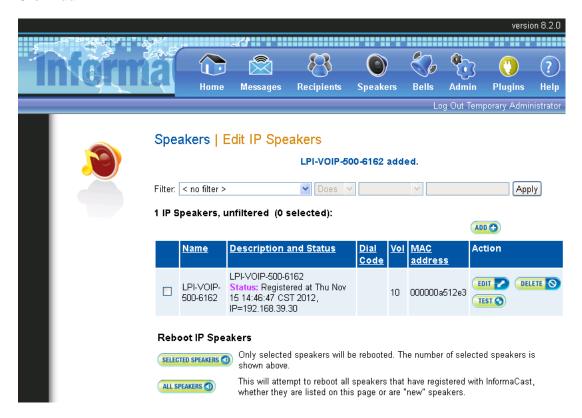


Page 12 of 21 Rev. 9/30/2013

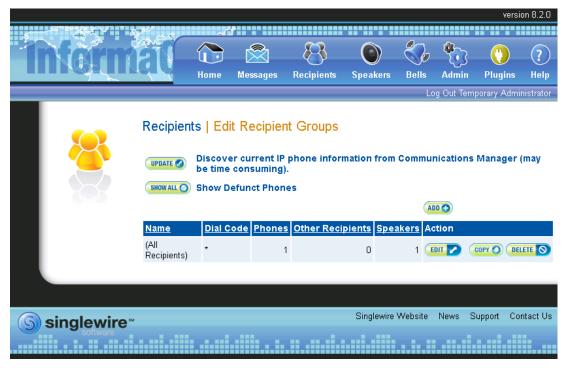


InformaCast EX 8.2.0 Integration Guide

11. Click Add.



12. Next click on Recipients



Page 13 of 21 Rev. 9/30/2013

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13. Click on Update and then click Update again. This process may take a few minutes do not refresh or navigate away from this page until the process completes. The default (All Recipients) group should now reflect an additional IP speaker.

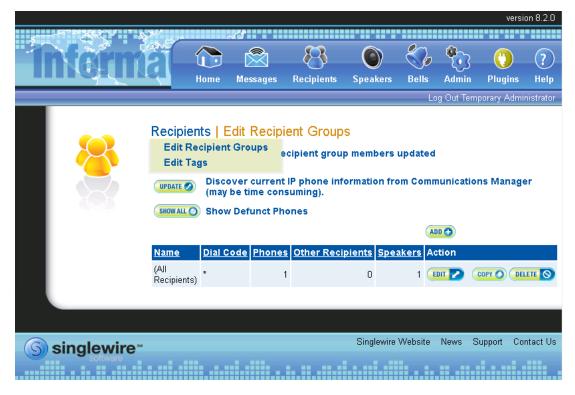


14. To create a new Recipients Group click Add.

Page **14** of **21** Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide



Page **15** of **21** Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

15. Enter a Name for the new Recipient Zone, then Select Individually and click Edit.

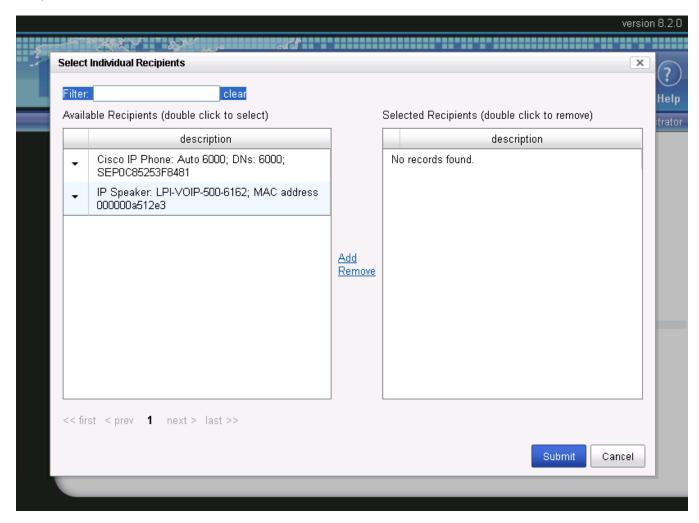
										versi	on 8.2.0
Recipients Edit Recipient Groups Add Recipient Group Name	ş					~			<i>∞</i> -		
Recipients Edit Recipient Groups Add Recipient Group Name		ntarn							_{()}		(?)
Recipients Edit Recipient Groups Add Recipient Group Name LPI-VOIP-500-6162 (required) Dial Code		1110111	NOT	Home	Messages	Recipients	Speakers	Bells	Admin	Plugins	Help
Name LPI-VOIP-500-6162 (required) Dial Code Tags Add A Tag Select Recipients Individually Filter with Recipient Groups Filter with Rules Exclusions EDT								Lo	g Out Tem	porary Admii	nistrator
Dial Code Tags Add A Tag Select Recipients Individually Filter with Recipient Groups Filter with Rules Exclusions Exclusions Exclusions						ent Groups	s Add R	ecipien	t Group)	
Select Recipients Individually Filter with Recipient Groups Filter with Rules Exclusions Exclusions			Name	LPI-VO	IP-500-6162		(req	uired)			
Select Recipients Individually FOIT Filter with Recipient Groups FOIT Filter with Rules Exclusions FOIT			Dial Code								
☐ Individually EDIT ✓ ☐ Filter with Recipient Groups EDIT ✓ ☐ Filter with Rules ☐ Exclusions EDIT ✓			Tags				Ad	d A Tag 🕶			
☐ Individually EDIT ✓ ☐ Filter with Recipient Groups EDIT ✓ ☐ Filter with Rules ☐ Exclusions EDIT ✓			Select Re	cipient	s						
☐ Filter with Rules ☐ Exclusions EDIT ✓				· ·							
☐ Filter with Rules ☐ Exclusions EDIT ✓			☐ Filter wit	th Recip	ient Groups (EDIT /					
			☐ Filter wit	th Rules							
Exclusions are only available when the Recipient Group is Filtered by Recipient Groups or Rules.			Exclusio	ns EDIT							
			Exclusion	ns are onl	y available wh	en the Recipient	Group is Filte	red by Re	cipient Gro	ups or Rules	i.
VIEW © CANCEL XX UPDATE					VIE	V 💿 CANCEL 🔀	UPDATE 🕖				
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Page 16 of 21 Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

16. Select the IP Speakers on the left, and then click **Add** to move then to the right. Click **Submit** once the IP Speakers have been added.



Page 17 of 21 Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

17. Click Update.

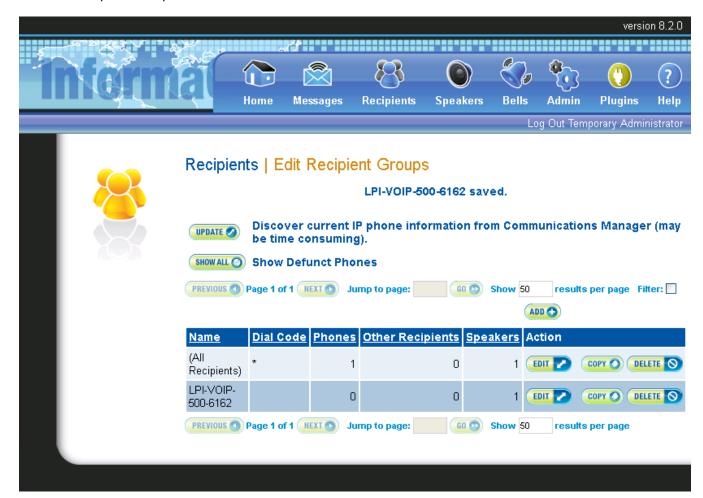
	Ner	male		Home	Messages	Recipients	Speakers	Bells	Adm	
								Lo	g Out T	
	8	Name	ts Edit Recip	oient Gro	oups Add	Recipient	Group			
		Dial Code								
		Tags				Add A Tag				
	Select Recipients ☑ Individually									
	IP Speaker: LPI-VOIP-500-6162; MAC address 000000a512e3 ☐ Filter with Recipient Groups									
	Filter with Rules Exclusions FOIT									
	Exclusions are only available when the Recipient Group is Filtered by Recipient Groups or Rules.									
				(V	TIEW CANCEL	W UPDATE V				

Page **18** of **21** Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

18. The new Recipient Group will now be shown.



Page **19** of **21** Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

19. To send a test broadcast select Messages.

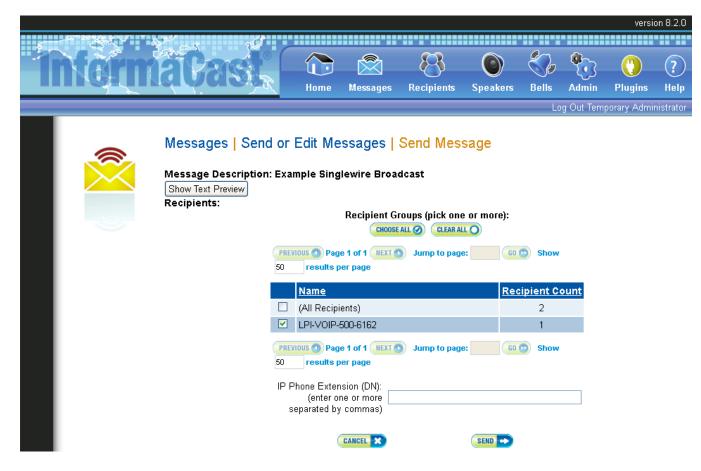


Page **20** of **21** Rev. 9/30/2013



InformaCast EX 8.2.0 Integration Guide

20. Click Send next to the audio message of your choice. Select the Recipients, and then click Send.



Page **21** of **21** Rev. 9/30/2013