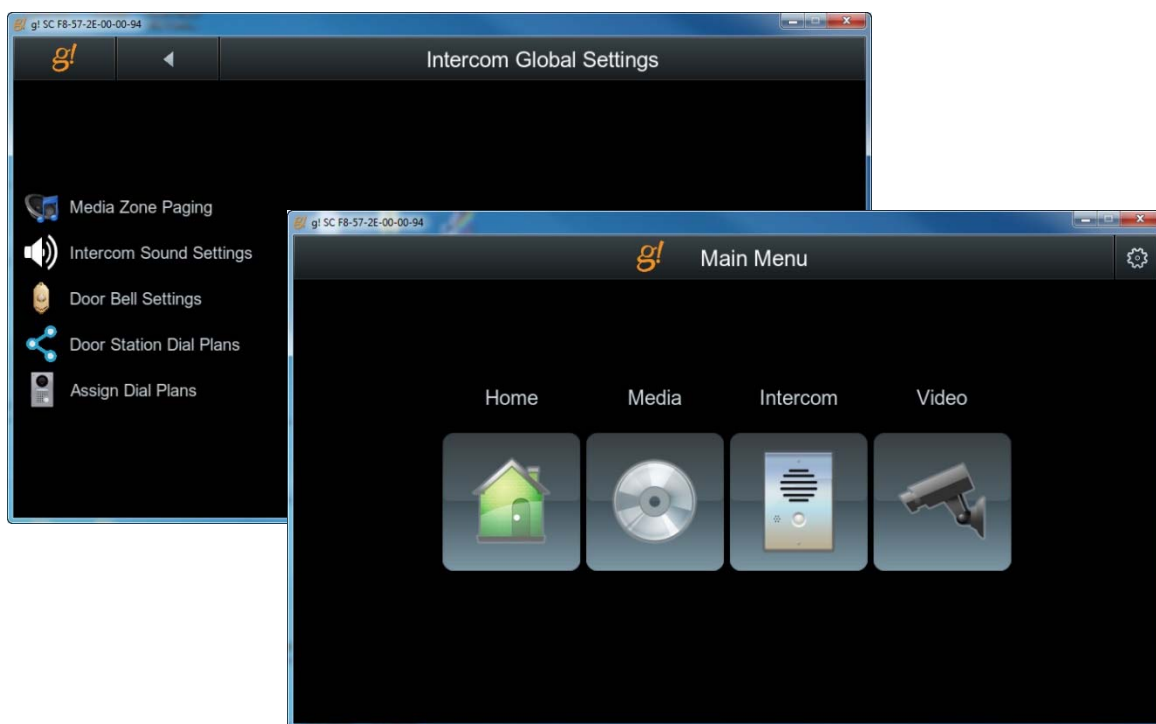




# Intercom Training Guide

Version 7.2



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# Your Resources at ELAN

In addition to the information in this Training Guide, be sure to check out ELAN's website at [www.elanhomesystems.com](http://www.elanhomesystems.com). The website provides access to a wealth of documentation including *Integration Notes* for detailed information on specific systems with which the g! software integrates.

Our **Technical Support** staff can assist you Monday through Friday from 9:00 a.m. to 7:00 p.m. EST and 6:00 a.m. to 4 p.m. Pacific at **800-622-3526**.

Email: [techsupport@elanhomesystems.com](mailto:techsupport@elanhomesystems.com)

# Lesson 1

## ELAN Intercom Overview



### Overview

This lesson provides an overview of the g! Intercom and will discuss the hardware and software compatibility, end-user UI compatibility, and door station compatibility.

In this lesson you will:

- Be introduced to the g! Intercom
- Learn which g! Controllers are compatible with the new g! Intercom
- Learn which g! Core Module version will offer the g! Intercom
- Learn which user interfaces are compatible with the g! Intercom feature
- Learn how to enable the g! Intercom
- Learn how to rename an Intercom Station



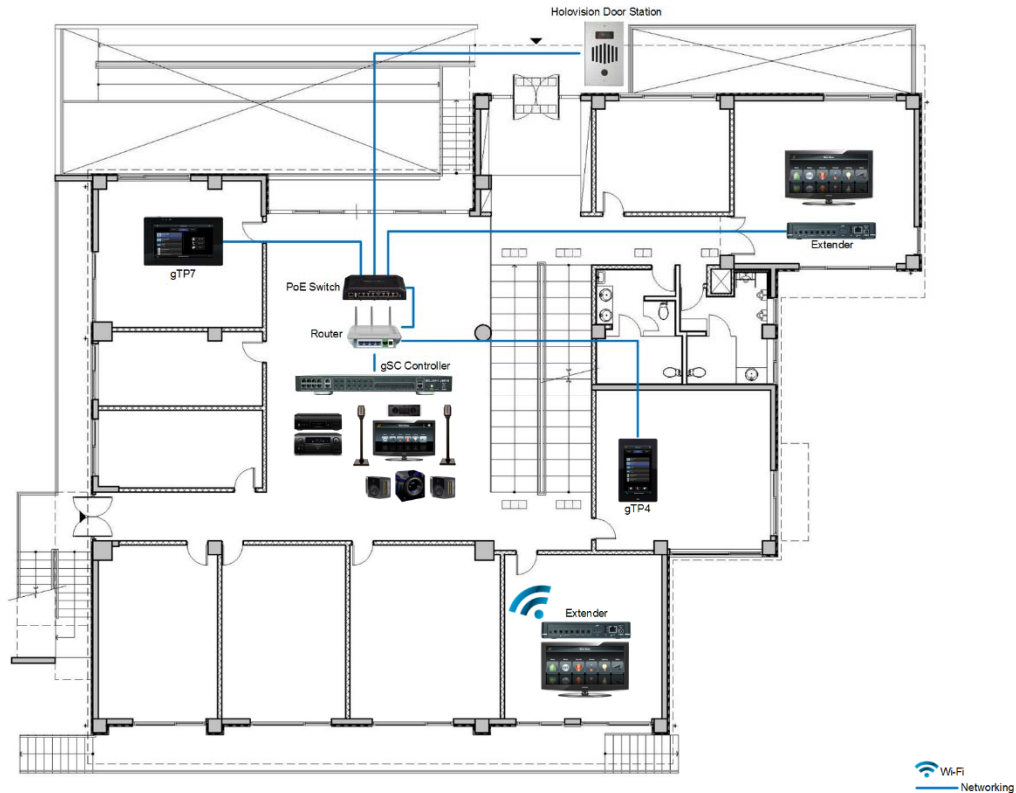
### Requirements

- g! system controller and g!Tools.

# Introducing the g! Intercom

## *Introduction*

The ELAN g! Intercom provides users with point-to-point intercom and point-to-group page functionality. The system integrates iOS and Android mobile devices, ELAN gTP7, ELAN gTP4, PC and MAC viewers, as well as 3<sup>rd</sup> party SIP-based door stations into a single easy to use intercom system. The ELAN g! Intercom system will enable communication with a compatible SIP-based front door station and any other configured compatible stations, whether in the home or in a remote location.



The ELAN g! Intercom is enabled in the g!Configurator. Compatible door stations are also added in the g!Configuration Software.

Once enabled, the ELAN g! Intercom is easily set up in the g!Viewer allowing the user to easily configure the g! Intercom for multiple applications.

<b>g! Intercom Terminology Quick Reference</b>	
Stations	<p>A network device that can receive and initiate one-way, or two-way, audio and/or video calls.</p> <p><b>Note:</b> Stations include compatible 3<sup>rd</sup> party devices running the ELAN g!Viewer software or App. Video calls are dependent on the hardware being used.</p>
Door Station	SIP-enabled devices used to initiate and receive two-way audio and/or video calls from entry points
Session Initiated Protocol (SIP)	Session Initiated Protocol (SIP) is a communications protocol for signaling and controlling multimedia communications sessions. Most commonly used for voice and video calls over Internet Protocol (IP) networks.
ELAN SIP Server	ELAN's server that manages messages between SIP enabled door stations and other compatible stations.

### *System Requirements*

#### **Controller Hardware and Software Compatibility**

The g! Intercom system is compatible with :

- **Hardware:**
  - gSC10 System Controller
  - gSC2 System Controller
  - g1 Controller
- **Software:** Intercom requires g! core module 7.2 or higher.

#### **User Interface Compatibility**

The g! Intercom features are available on:

- **Mobile Devices:**
  - iOS8 or higher
  - Android 4.0 or higher
- **PC Devices:**
  - Windows Viewer
  - MAC Viewer
- **ELAN Interfaces:**
  - gTP4
  - gTP7



## Door Station Compatibility

The g! Intercom has been tested to work with these SIP-enabled door stations:

- Holovision models using VIO/VIO2/VIK(sip) VoIP modules
- Holovision 414-VIO-IP - Tested
- [Holovision 511-VIK\(sip\) ELAN DSS/DSF Replacement - Tested](#)
- [Holovision 509V-VI\(sip\)-CC-ORB ELAN DSC Replacement - Tested](#)
- Mobotix T25
- 2N Helios IP Verso



Holovision 414



Holovision 511



Holovision 509V

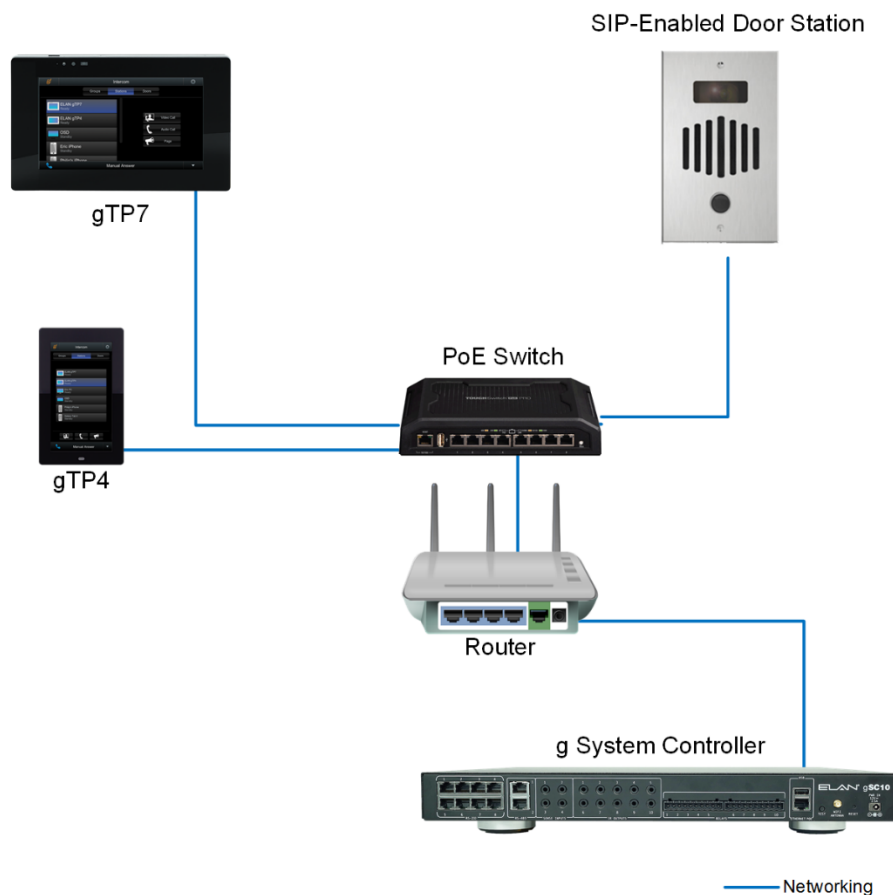


Mobotix T25



2N Helios IP Verso

Other SIP-enabled door stations may work, but have not been tested.



ELAN Intercom features include:

<b>g! Intercom Features Quick Reference</b>	
Point-To-Point Calls	Two-way audio & video calls between compatible stations
SIP Door Station Integration	Utilize the ELAN g! SIP server driver to add up to 4 3 <sup>rd</sup> party SIP-enabled door stations to your system.
Seamless Mobile Integration	Communicate with local or remote mobile clients. Includes notifications on compatible mobile devices even when the g! app is not running.
Video Link	Link external IP video to audio only compatible SIP-enabled door stations for optimal security
Door Station Monitoring	Monitor SIP-Enabled door stations from any intercom compatible device running the g! software or g! Viewer.
Door Station Dial Plans	Custom two-tiered dial out instructions in response to a door station button press based on system mode.
Paging	Broadcast communication from one-to-many stations
Paging Groups	Create custom groups of stations for receiving pages.
Page Answer	When a page is initiated, a station can answer the page to start a one-to-one call
Page Events	Intercom Page events accessible in the Event Mapper tab.
Configurable Tones	Select from a list of pre-loaded tones for page notifications, and door chimes, to customize the user experience.
Custom Answer Modes	Configure answer modes per touch panel, including, Do Not Distrub (DND), Manual Answer, Auto Answer Audio Only, and Auto Answer Audio/Video.
DND Override	Override a target touch panel's Do Not Disturb (DND) settings for break-through sessions. Requires proper permission settings.
Audio Zone Integration	Target an Audio Zone for doorbell and paging announcements over the audio zone speakers
Remote Touch Panel Linking	Link touch screens between 2, or more, gSC system controllers across the internet for point-to-point calls. Perfect for linking to a summer home or keeping in-touch with extended family.

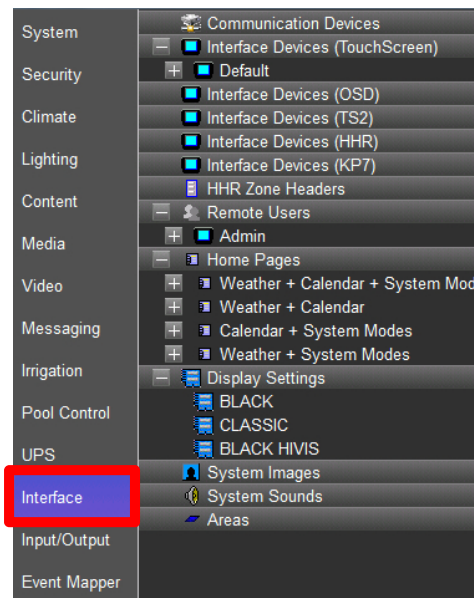
# Exercise 1: Enable ELAN Intercom

*Overview* By default, the ELAN Intercom is enabled in the g!Configurator. Once enabled, most of the intercom setup may be performed from the g!Viewer.

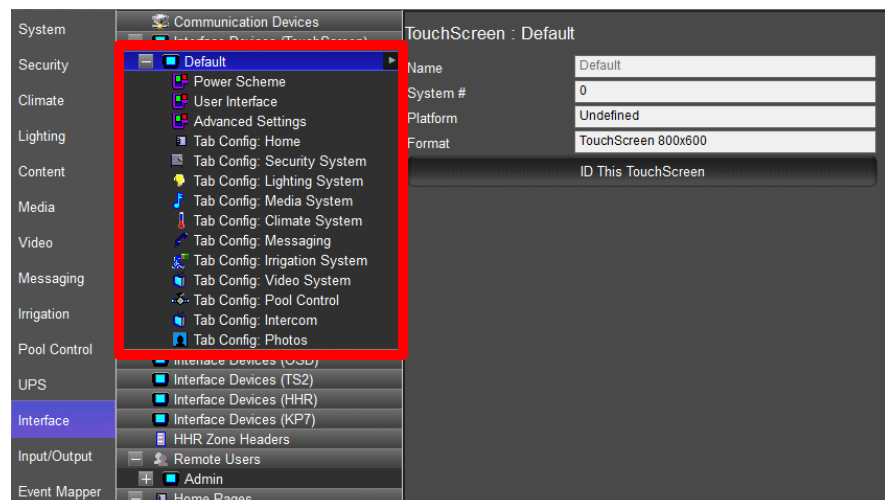
**Note:** Compatible Holovision and compatible SIP-enabled door stations will need to be added in the g!Configurator. See Exercise 3 for more information.

*How-to* Enable the g! Intercom

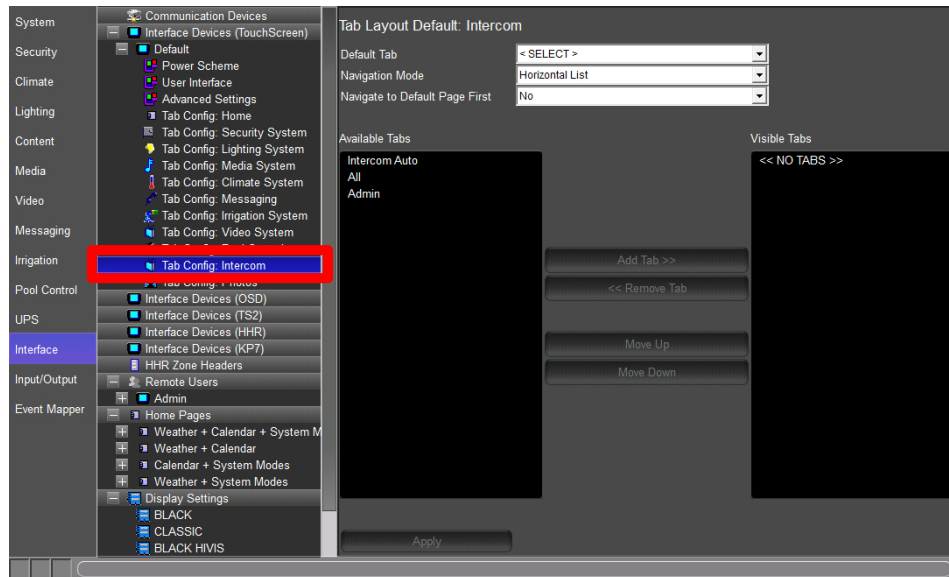
1. From the Configurator, click the **Interface** tab in the System Tabs on the left side of the Configurator. The window will open as follows, showing the System Node Tree in the middle section.



2. Under **Interface Devices (TouchScreen)** click **+** (plus) to expand the **Default** node.

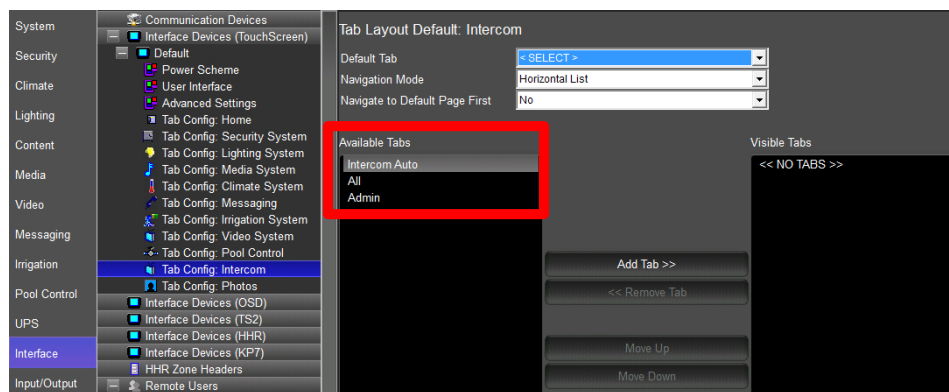


3. Click the **Tab Config: Intercom** node to display its settings in the properties pane to the right.



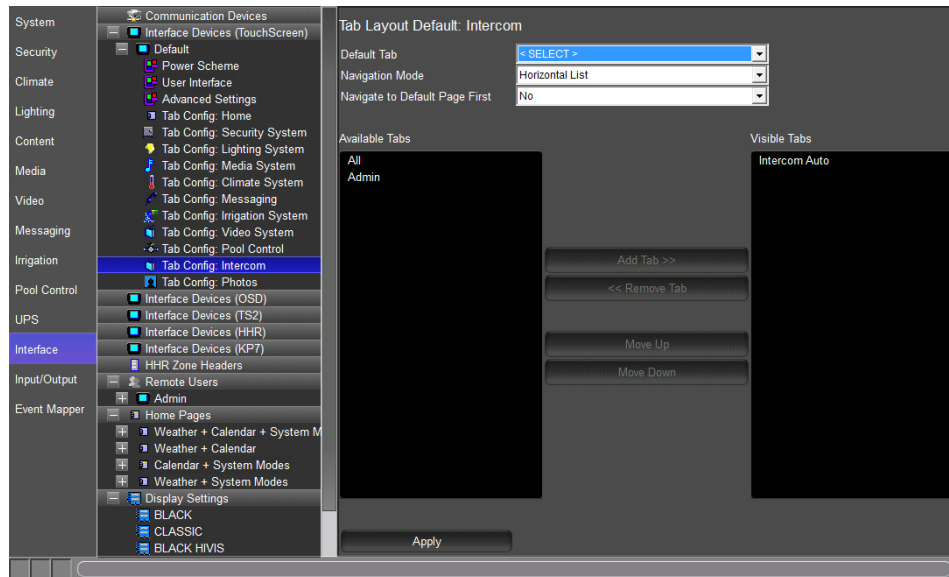
Quick Reference: Tab Config: Intercom	
Available Tabs	g! Intercom stations available, but not displayed in the g!Viewer.
Visible Tabs	g! Intercom stations available for use in the g!Viewer.
Intercom Auto	Automatically detects available stations.
All	Displays all intercom stations active or inactive.
Stations	Allows for assigning specific stations to a g!Viewer. Use the stations in the Available Tabs column to assign specific intercom stations to a g!Viewer.

4. Select the **desired station(s)** from the Available Tabs column.





5. Click **Add Tab >>** to move the selected station(s) to the Visible Tabs column.



**Note:** The Intercom Auto setting is mutually exclusive with other stations.

6. When finished select **Apply** to enable the Intercom App. *The g!Viewer will now display the Intercom App, similar to the image below.*



## Exercise 2: Renaming an Intercom Station: Local Devices

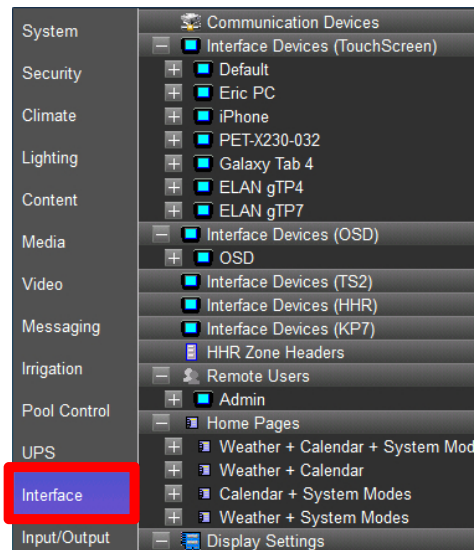
*Overview* The ELAN Intercom Stations populate automatically into the ELAN system. The default name is generally associated to the device type being used and not where the device is physically located or who the device belongs too. ELAN recommends naming all Intercom Stations for easy recognition by the end-user in the g!Viewer.

ELAN Intercom Stations are made up of g! compatible user interfaces such as ELAN gTP7, ELAN gTP4, and mobile devices. Renaming an Intercom Station is done in the Interface Devcies (TouchScreen) node in the Interface tab of the ELAN g! Configuration Software. This exercise will guide you through the necessary steps for renaming an Intercom Station.

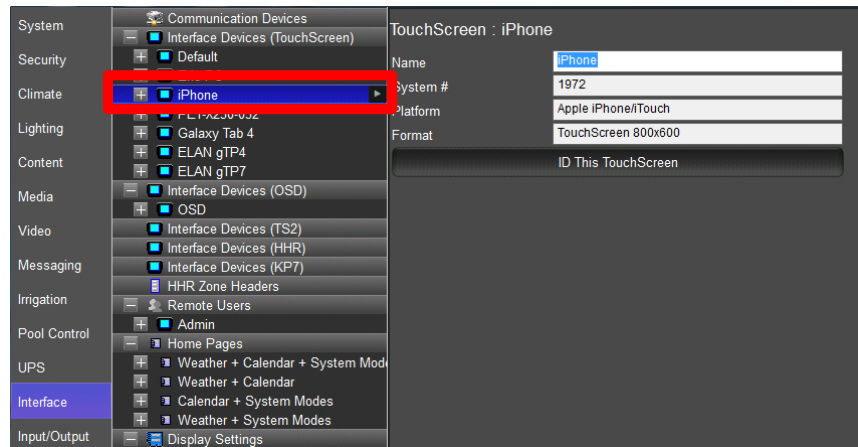
**Note:** Compatible Holovision and compatible SIP-enabled door stations will need to be added in the g!Configurator. See Exercise 3 for more information.

*How-to* Rename an Intercom Station

1. From the Configurator, click the **Interface** tab in the System Tabs on the left side of the Configurator. The window will open as follows, showing the System Node Tree in the middle section.



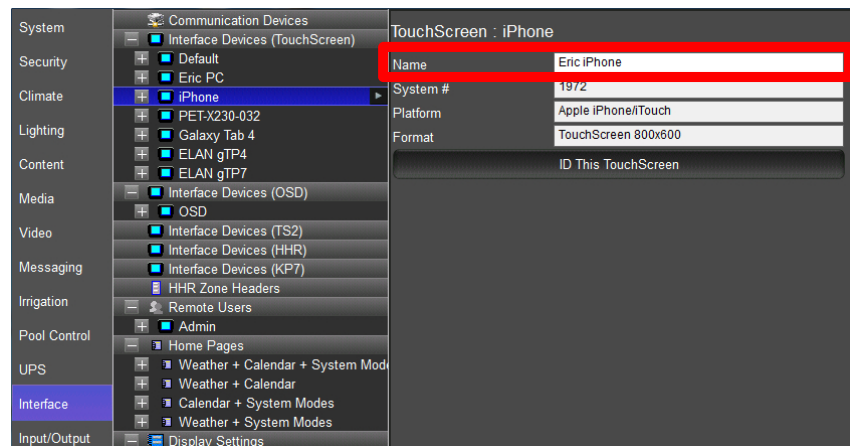
- Under **Interface Devices (TouchScreen)** select a **device to rename**. This exercise will select the Interface Device iPhone



- In the Properties Pane to the right of the selected node, select **ID This TouchScreen**. Check the device running the g!Viewer software. This will help you identify the correct user interface to rename.



- Once the correct device is located return to the **ELAN g! Configurator** and enter the **desired name** in the Name Filed for the selected Interface Device.



5. Select **Apply** when finished to change the name of the Interface Device. Notice the name of the Interface Device is changed in the Interface Devices (TouchScreen) node tree.



6. Verify the device name changed by selecting the **ID This TouchScreen** and verifying the name is changed in the g!Viewer of the selected device (as below).



7. Repeat steps 1-6 to rename additional Intercom Stations.

## Exercise 3: Renaming & Registering Intercom Station: Mobile Devices

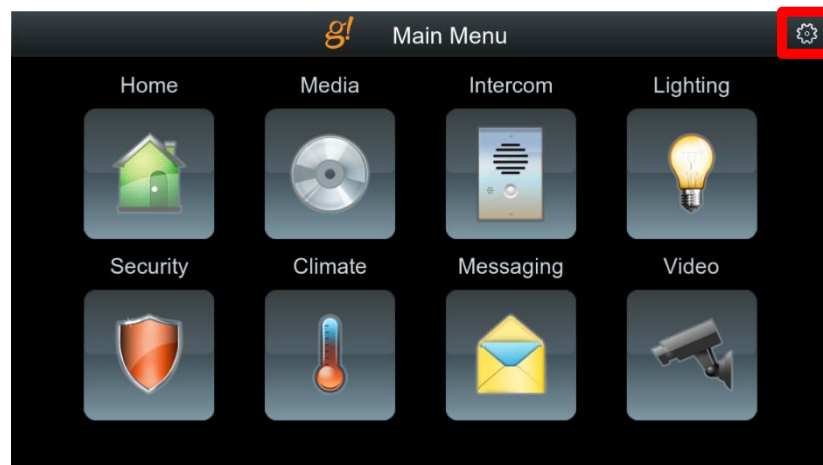
*Overview* Mobile devices such as iOS and Android devices may be used locally and remotely as Intercom Stations. When used remotely a mobile device should be registered to the ELAN g system to ensure that the Station name is the same when using the mobile device locally or remotely. Remote devices are typically password protected and the name associated with the password may differ from the device name when used locally. ELAN recommends naming all Intercom Stations for easy recognition by the end-user in the g!Viewer.

Registering a mobile device will also allow for push notifications to be sent to the device. See Lesson 4: Intercom Door Stations, Exercise 4.

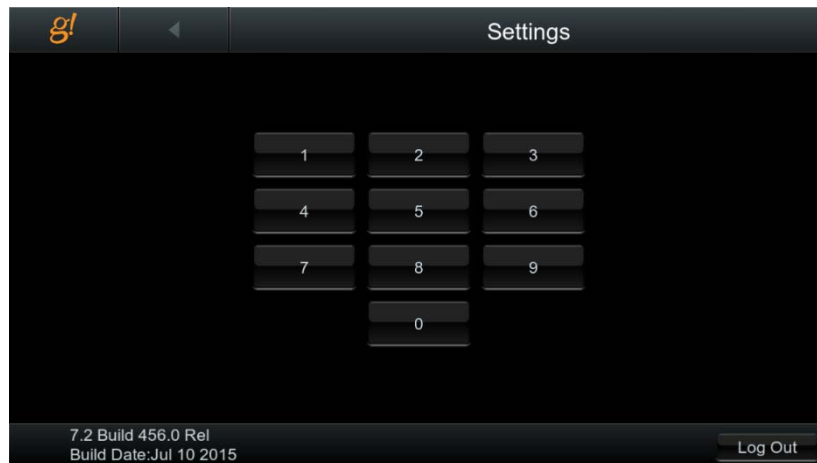
Renaming a mobile device used as an Intercom Station should be done locally and the name should be registered remotely. Exercise 2 covers renaming a device locally. Exercise 3 will demonstrate how to register the name of a mobile device using the g!Viewer.

*How-to* Register a Mobile Intercom Station

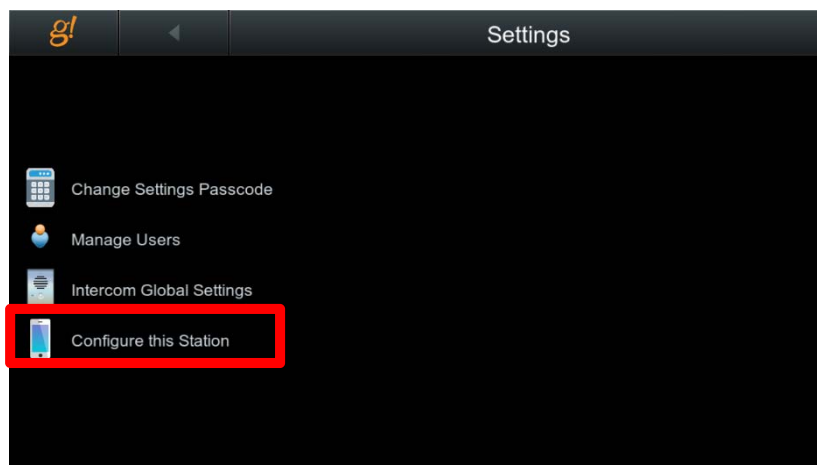
1. Remotely connect to the g System on a mobile device using the ELAN g! App. Select the **Gear Icon** on the g! Main Menu.



2. Enter the **4 digit pin number** to access the Installer Settings main page.



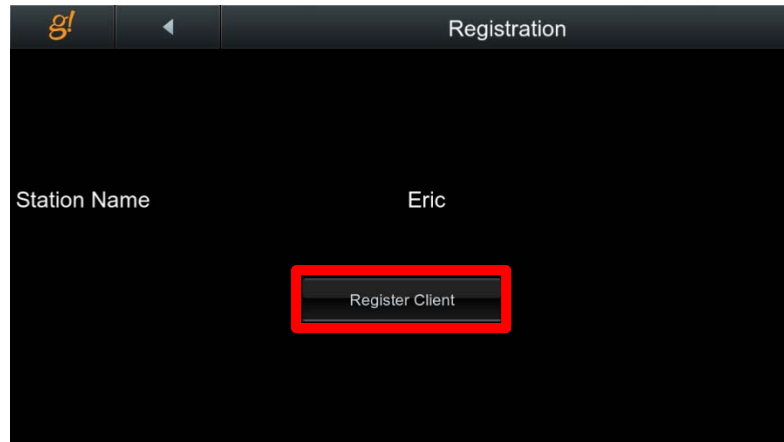
3. Select **Configure this Station**.



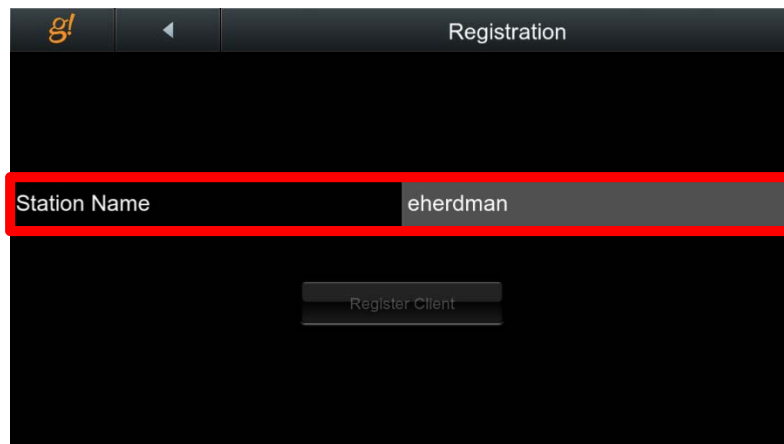
4. Select **Registration**.



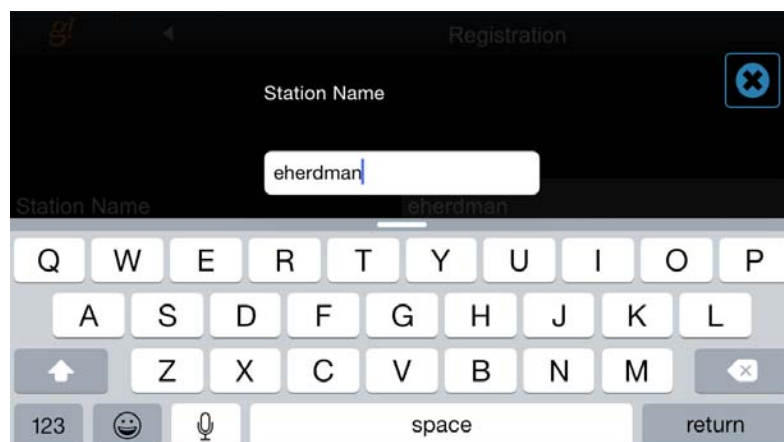
5. *The Registration page appears. The Station Name will be the User ID's passcode used to Remote Login to the system. In order to have the device being used track properly select **Register Client** to have the g Intercom associate the mobile device correctly when used locally or remotely.*



- a. *The Registration page refreshes and the station name is updated with the name of the mobile device.*



6. The **Station Name** maybe changed on the mobile device so it is easily recognizable when locally or remotely connected. Select the **Station Name** to bring up the device's keyboard.



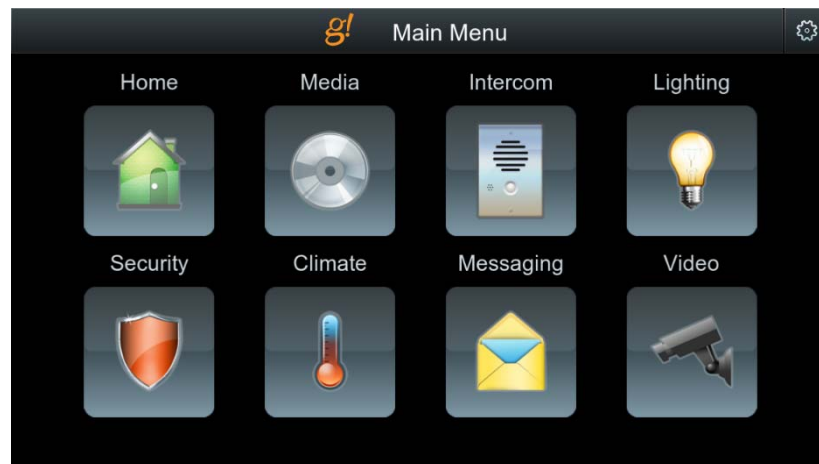
7. Enter the **desired device name**. This step will use Eric iPhone. Press **Return/Enter** when done.



8. When finished press the **g! Icon** to return to the g! Main Menu.



9. Repeat steps 1-8 to register and rename additional Mobile Intercom Stations.





[illegible]

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The paper itself is a clean, off-white color. There are no margins, text, or other markings present on the page.

# Lesson 2

## g!Viewer Intercom Making Calls



### Overview

This lesson provides an overview for setting up the g! Intercom using the g!Viewer.

In this lesson you will:

- Become familiar with the g! Intercom layout in the g!Viewer
- Learn how to access groups
- Learn how to access stations
- Learn how to make a point-to-point calls for:
  - Video
  - Audio
  - Page

### Requirements

- g! system controller and g!Tools.

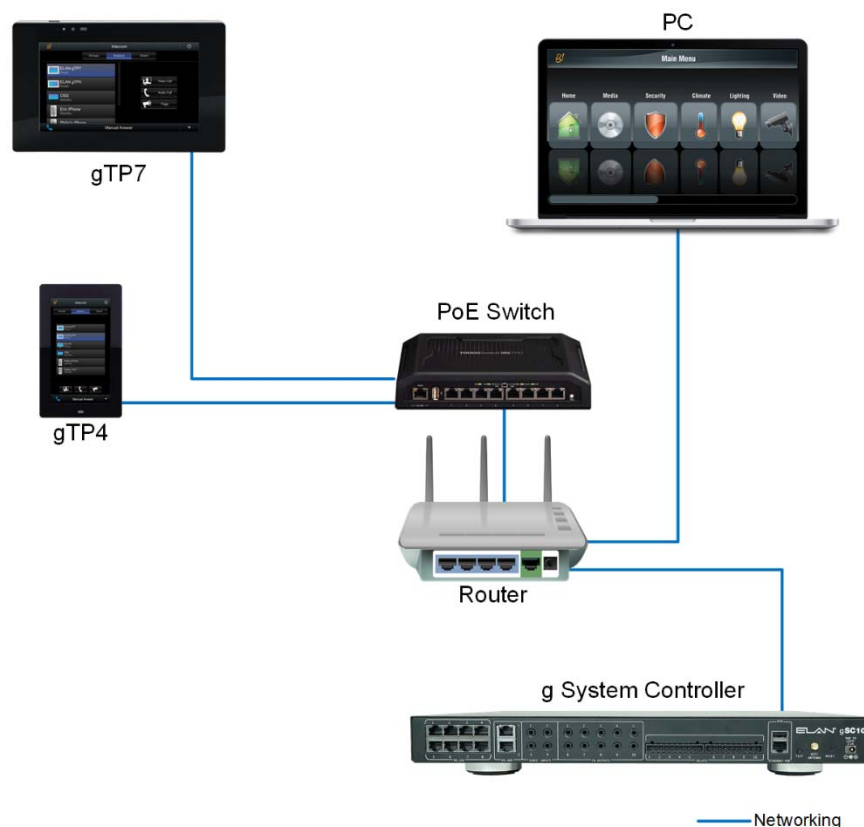
# About the g! Intercom App

## Overview

The g! Intercom app lets you make point-to-point calls and point-to-group page functions from compatible intercom stations. Intercom stations include ELAN gTP7, ELAN gTP4, Windows based PC viewers, MAC based PC viewers, iOS devices, Android devices, and compatible SIP-enabled 3<sup>rd</sup> party door stations. The ELAN g! Intercom system will enable communication with a compatible SIP-based door station and any other configured compatible stations, whether in the home or in a remote location.

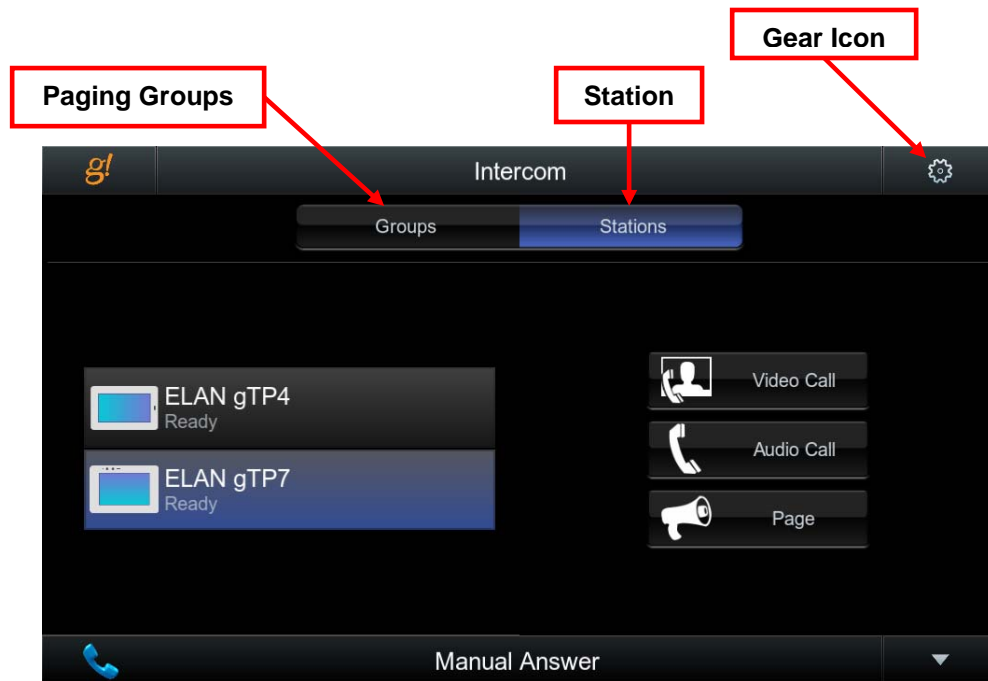
The ELAN g! Intercom is easily set up, and edited, in the g!Viewer allowing for multiple application uses.

g! Intercom Terminology Quick Reference	
Intercom Stations	A network device that can receive and initiate one-way, or two-way, audio and/or video calls.
	<b>Note:</b> Stations include compatible 3 <sup>rd</sup> party devices running the ELAN g!Viewer software or App. Video calls are dependent on the hardware being used.
Point-To-Point Calls	Two-way audio and/or video calls between compatible intercom stations
Point-To-Group Calls	Call request to a group of intercom stations for two-way audio and/or video calls



*Navigating  
the g!  
Intercom*

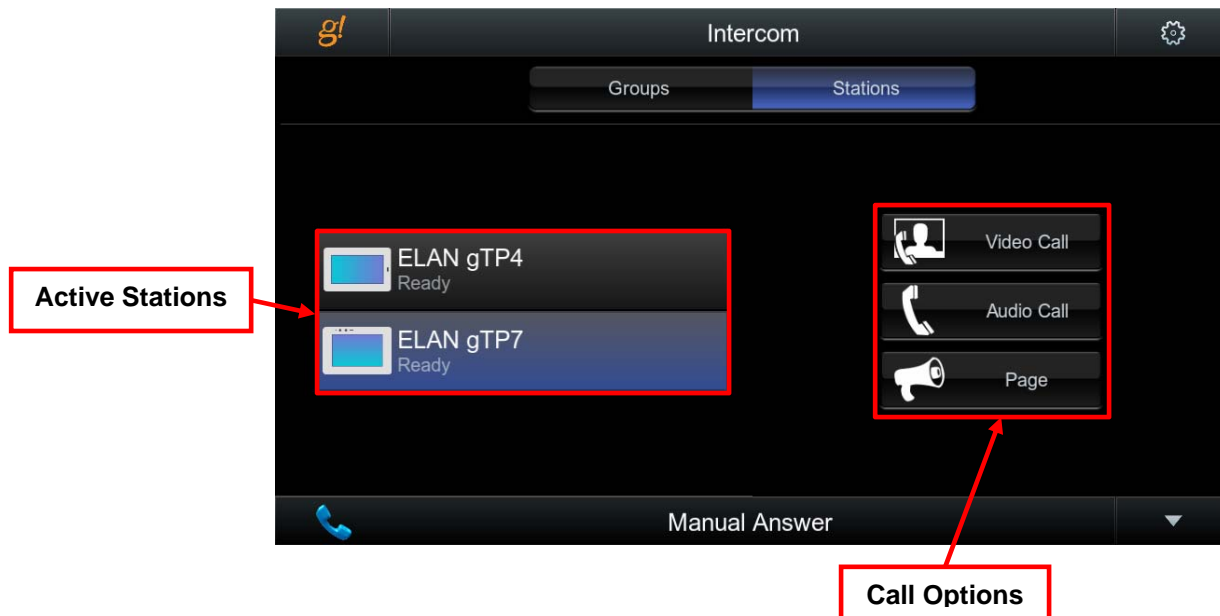
The g! Intercom is comprised of stations and groups of stations. Stations may make point-to-point calls or point-to-group calls. When the Stations button is selected the available Intercom stations are displayed.



**g! Intercom Main Page Terminology Quick Reference**

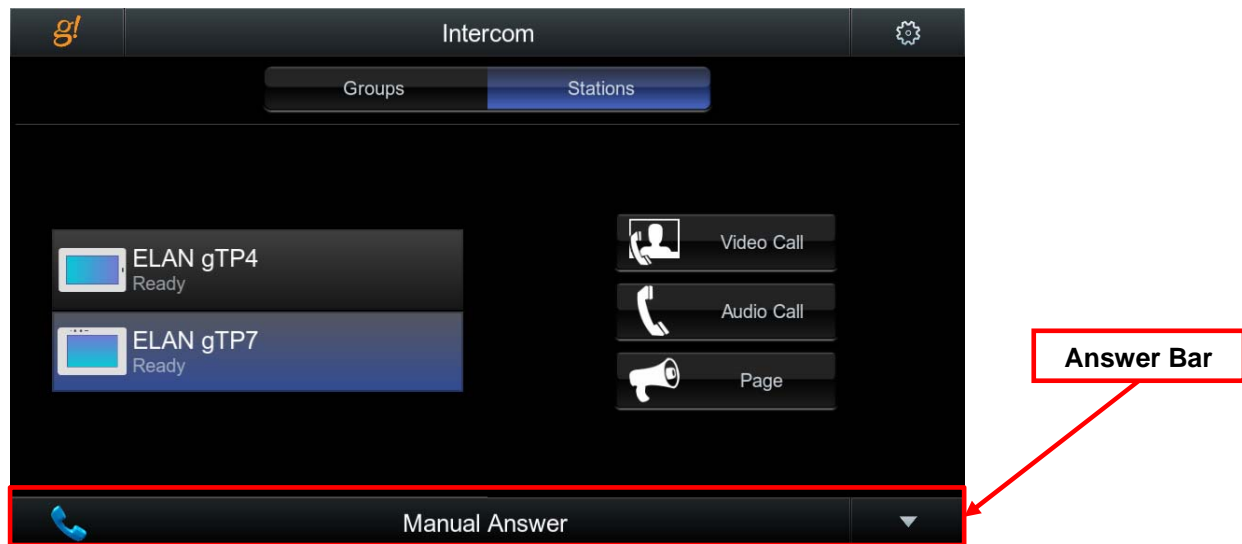
Stations	Displays the available intercom stations.
Groups	Displays available groups of intercom stations for paging.
Gear Icon	Settings page access for configuring Paging Groups and setting security code access.

When an intercom station is selected options for making a point-to-point Video Call, Audio Call, or Page are displayed. The call options for the selected intercom station are based on the features supported by the ELAN g! System.



g! Intercom Station Selected Page Terminology Quick Reference	
Active Stations	Available intercom stations. Selected station is blue.
Call Options	Available call options for the selected intercom station.
Video Call	A 2-way point-to-point call using audio and video. Requires the intercom station supports the use of video and audio.
Audio Call	A 2-way point-to-point call using only audio. This may be selected even if the intercom station supports video calls.
Page	A 1-way point-to-group, or point-to-point, call using audio to make announcements using the receiving points speaker. The intercom station receiving the Page may initiate a 2-way point-to-point call during the page.

The intercom station Answer Bar enable users to assign how the intercom station will respond to point-to-point and/or point-to-group call.



g! Intercom Station Selected Page Terminology Quick Reference	
Answer Bar	Defines how the selected intercom station will respond to incoming calls.
Manual Answer	Requires user to accept or deny incoming call request.
Do Not Disturb	Intercom station will not be available for calls. Do Not Disturb (DND) may be overridden using a user defined security access code.
Auto Answer Mic Only	Intercom station automatically answers a call request as an Audio Call, even if a Video Call was requested. Video may be enabled during the audio call.
Auto Answer Mic and Camera	Intercom station automatically answers a call request as a Video Call, even if an Audio Call was requested.
	Android Device Viewers features AEC, or Acoustic Echo Cancellation, software. AEC is used when experiencing an echo when using the ELAN Intercom on Android devices.
AEC Mode	Switches AEC behavior on Android devices between Auto, Software On, or Software Off.  Auto = Automatically enables or disabled the AEC software for the device  Software On = Enables the AEC software to always be On  Software Off = Disables the AEC software as to always stay Off
AEC Delay	Estimate of the round trip time through the audio hardware on the device itself in milliseconds. AEC is self-adapting so the delay only needs to be an approximation. If the delay is unknown leave at the factory default setting of 50ms.

# Exercise 1: Making a Video Call

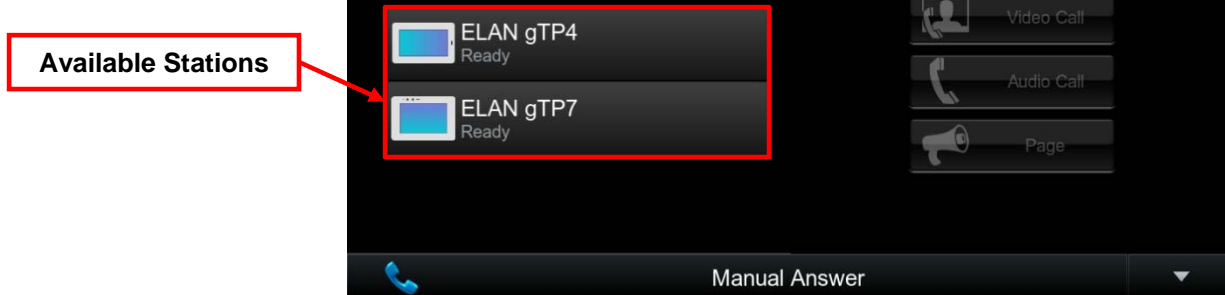
*Overview* Exercise 1 demonstrates how to make a point-to-point Video Call from an ELAN gTP7, 7" touch panel.

*How-to* Initiate a point-to-point video call

1. From the g! Main Menu, select the **Intercom App**.



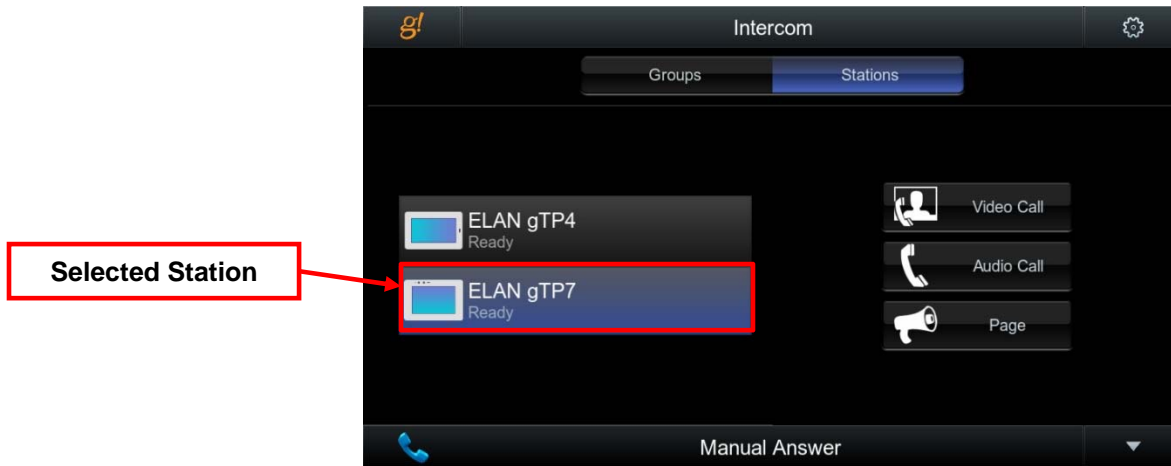
2. Select the **Stations** button to display available Intercom Stations.



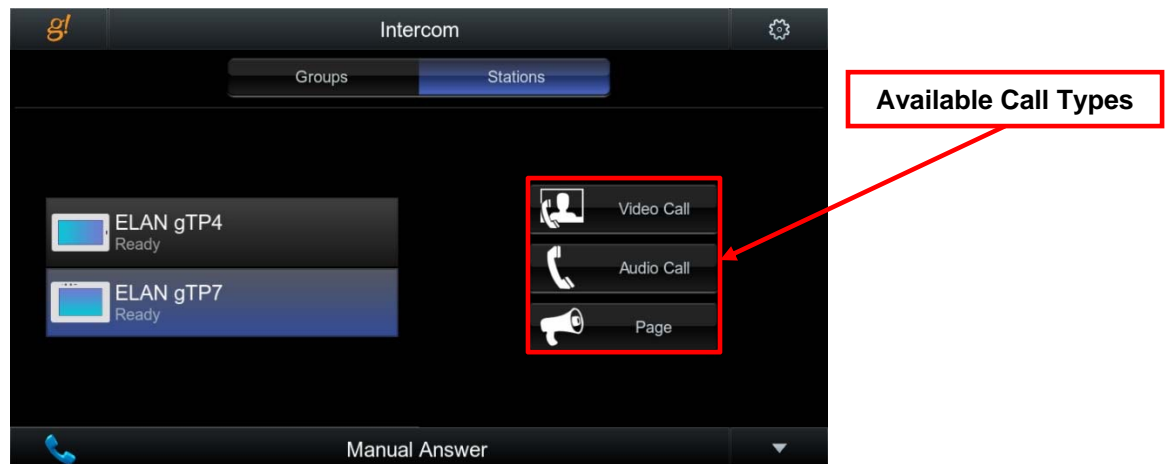
**Note:** Station names displayed may differ. Please refer to Lesson 1, Exercise 2: Renaming an Intercom Station, for more information.



3. Select the **desired station** to initiate a point-to-point call. *This step uses the gTP7.*



4. Locate the Available Call Types section.

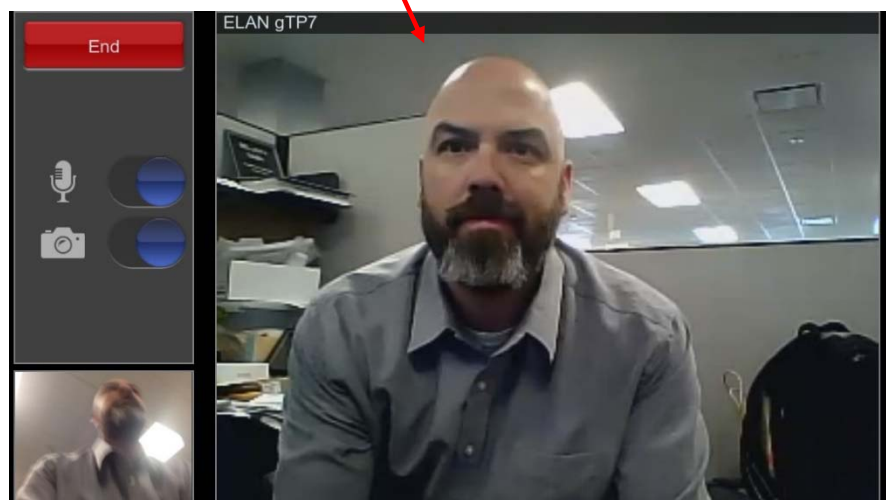
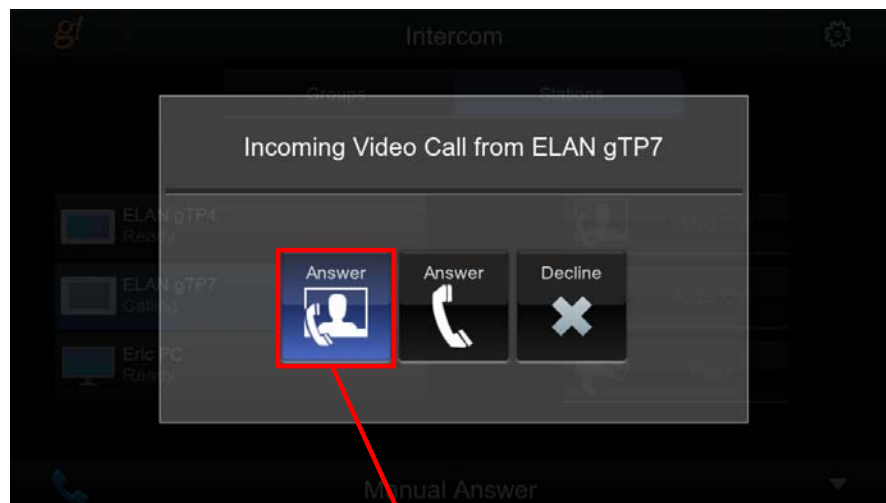


**Note:** Station call options may differ depending on the intercom station being used.

5. Select **Video Call** to initiate a communication request to the selected gTP7.



6. From the station receiving the video call request, select **Answer** to begin the two-way audio and video call.



<b>Quick Reference: Answer Types</b>	
Answer Video Call	Begins a point-to-point audio and video call request. Requires the station supports use of video and audio for intercom.
Answer Audio Call	Begins a point-to-point audio only call request. This answer type may be selected even if a Video Call was requested.
Decline	Declines the video or audio point-to-point call request.

7. Select **End** to end the point-to-point video call.



**Note:** During a Video Call the Microphone and/or Camera may be disabled using the “Mic is On” and the “Camera is On” buttons.

## Exercise 2: Making an Audio Call

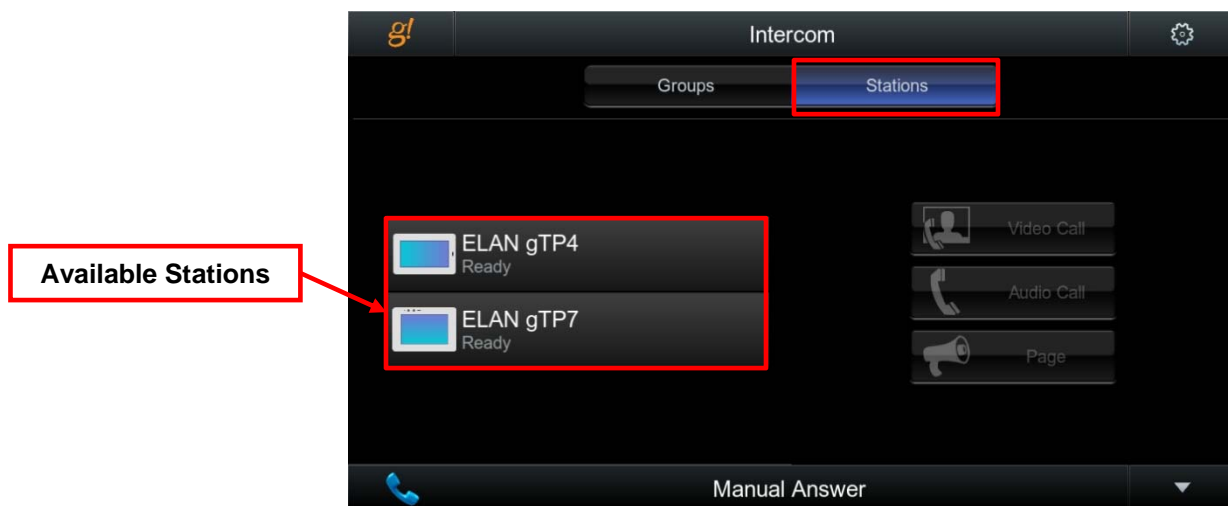
*Overview* Exercise 2 demonstrates how to make a point-to-point Audio Call from an ELAN gTP7, 7" touch panel.

*How-to* Initiate a point-to-point audio call

1. From the g! Main Menu, select the **Intercom App**.

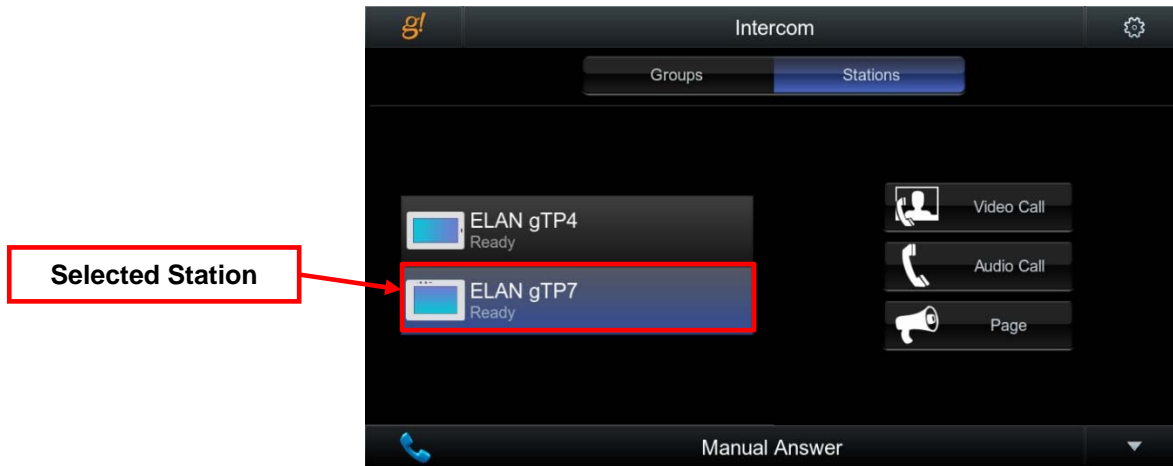


2. Select the **Stations** button to display available Intercom Stations.

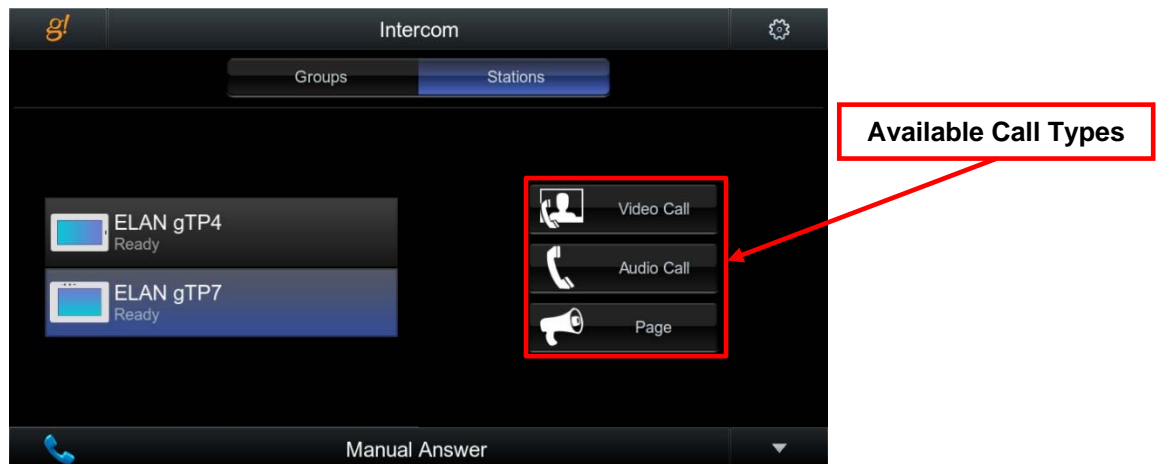


**Note:** Station names displayed may differ. To rename an ELAN Intercom Station please consult a certified ELAN dealer for assistance.

3. Select the **desired intercom station** to initiate a point-to-point call. *This step uses the gTP7.*



4. Locate the Available Call Types section.

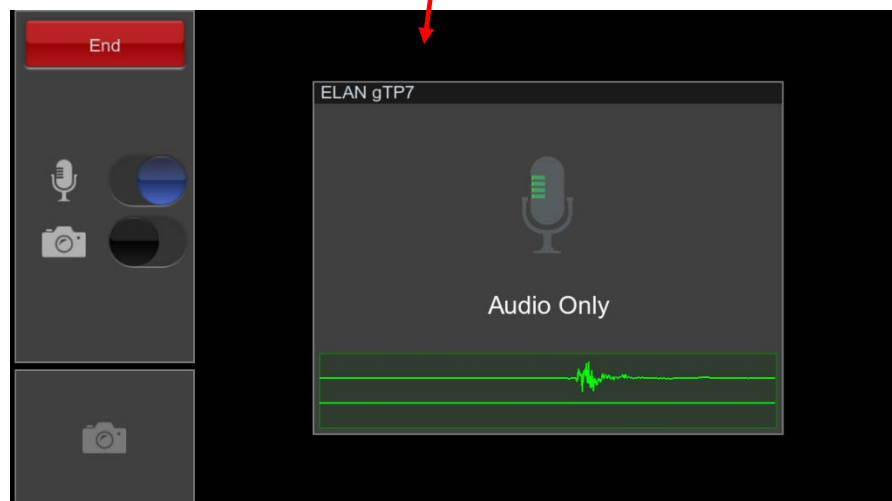
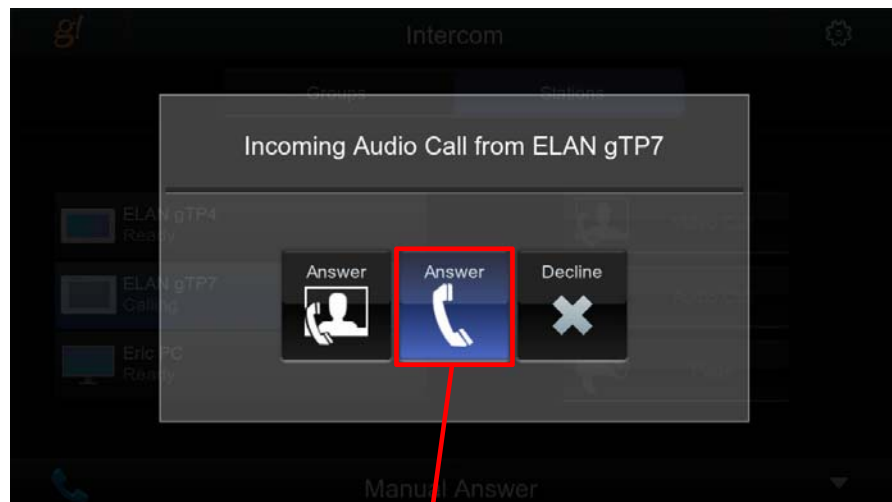


**Note:** Station call options may differ depending on the intercom station being used.

5. Select **Audio Call** to initiate a communication request to the selected gTP7.

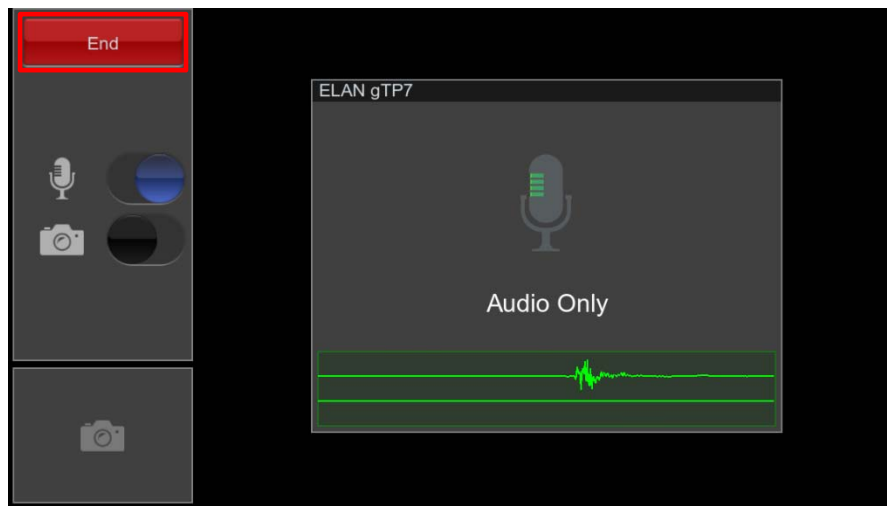


6. From the station receiving the audio call request, select **Answer** to begin the two-way audio call.



Quick Reference: Answer Types	
Answer Video Call	Begins a point-to-point audio and video call request. Requires the station supports use of video and audio for intercom.
Answer Audio Call	Begins a point-to-point audio only call request. This answer type may be selected even if a Video Call was requested.
Decline	Declines the video or audio point-to-point call request.

7. Select **End** to end the point-to-point audio call.



**Note:** During an Audio Call the Microphone and/or Camera may be disabled/enabled using the “Mic is On” and the “Camera is On” buttons.

## Exercise 3: Making a Page

**Overview** Exercise 3 will demonstrate how to make a point-to-point Page Call from an ELAN gTP7, 7" touch panel.

A Page Call may be used to make an audio announcement to a specific intercom station. The intercom station receiving the Page Call may initiate a 2-way audio, or video, call at any time during the page.

**Note:** Mobile devices will not be able to send or receive pages when connected to the g! system remotely. Pages are only initiated and received locally.

**How-to** Initiate a point-to-point page call

1. From the g! Main Menu, select the **Intercom App**.



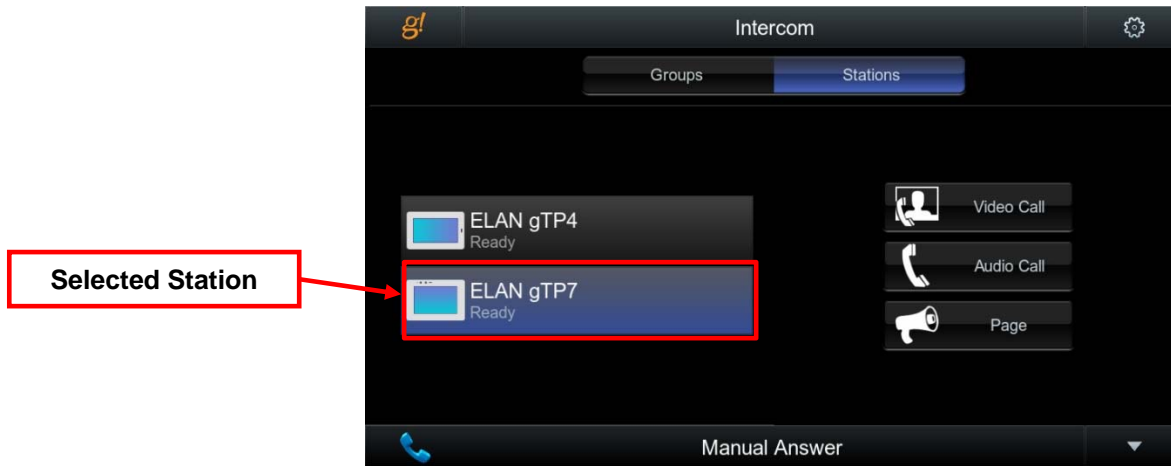
2. Select the **Stations** button to display available Intercom Stations.



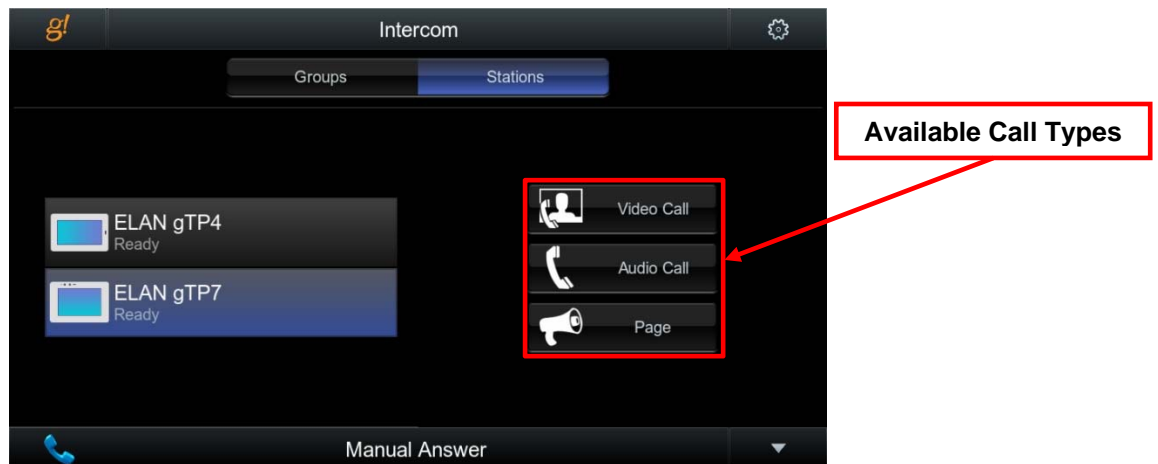
**Note:** Station names displayed may differ. To rename an ELAN Intercom Station please consult a certified ELAN dealer for assistance.



3. Select the **desired intercom station** to initiate a point-to-point call. *This step uses the gTP7.*

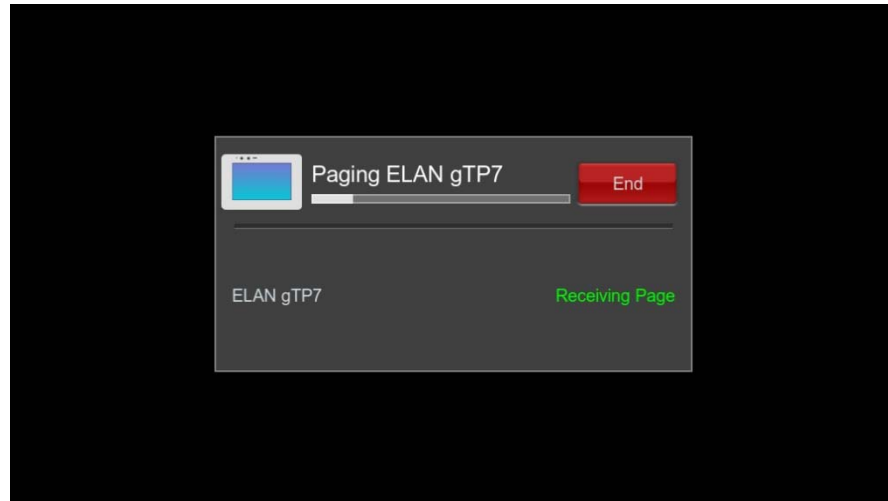


4. Locate the Available Call Types section.

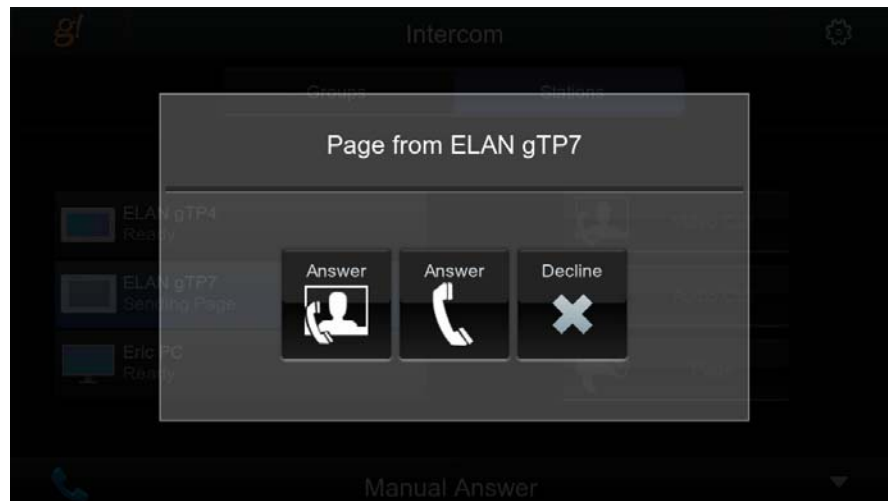


**Note:** Station call options may differ depending on the intercom station being used.

5. Select **Page** to initiate an audio announcement using the selected gTP7's built-in speaker.



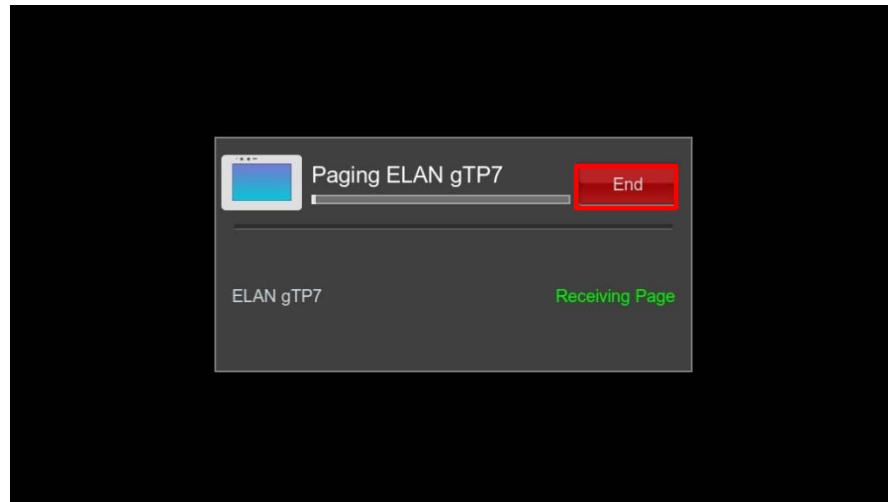
6. From the station receiving the page, audio will automatically be played through the built-in speaker of the intercom station.



**Note:** At any time during a Page the intercom station receiving the Page may initiate a 2-way audio, or video, call by selecting the desired answer type.

Quick Reference: Answer Types during a Page	
Answer Video Call	Begins a point-to-point audio and video call. Requires the intercom station supports video and audio.
Answer Audio Call	Begins a point-to-point audio only call.
Decline	Ends the Page Call.

7. Select **End** to end the point-to-point page call.



Please see Lesson 3: Intercom Settings for information on how to setup and configure Groups.

## Notes:

[illegible]

## Notes:

[illegible]

# Lesson 3

## Intercom Settings



### Overview

This lesson provides an information on how to setup the Intercom Settings using the g!Viewer.

In this lesson you will:

- Become familiar with the Intercom Settings options in the g!Viewer
- Learn how to configure groups
- Learn how to set a security code

### Requirements

- g! system controller and g!Tools.

# About g! Intercom Settings

## Overview

The g! Intercom Settings let you assign groups of intercom stations for making point-to-group page announcements from compatible intercom stations. Intercom stations included with point-to-group calls are ELAN gTP7, ELAN gTP4, Media Zones using the g1 Audio Output, Windows based PC viewers, MAC based PC viewers, iOS devices, Android devices, and compatible SIP-enabled 3<sup>rd</sup> party door stations. The ELAN g! Intercom system will enable communication with a compatible SIP-based door stations and any other configured compatible stations, whether in the home or in a remote location.

**Note:** Mobile devices must be in the ready state in order to receive a page.

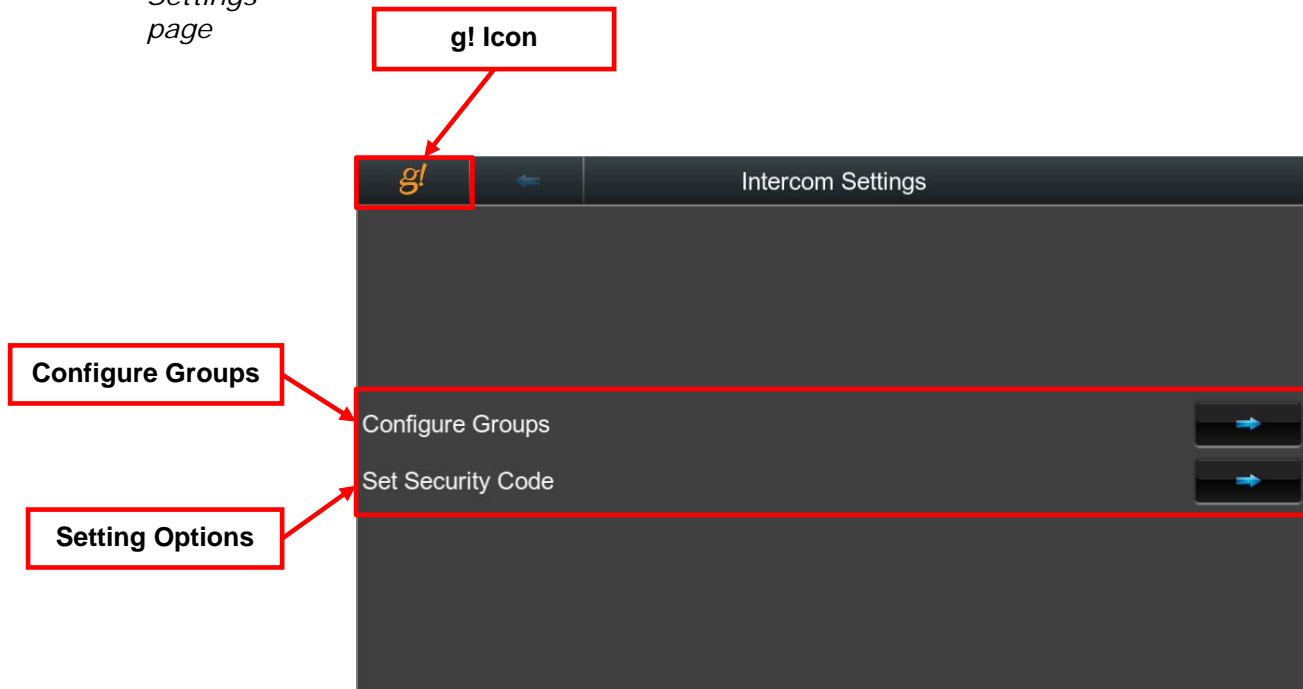
The ELAN g! Intercom settings are easily set up, and edited, in the g!Viewer allowing for multiple application uses.

g! Intercom Terminology Quick Reference	
Intercom Stations	<p>A network device that can receive and initiate one-way, or two-way, audio and/or video calls.</p> <p><b>Note:</b> Stations include compatible 3<sup>rd</sup> party devices running the ELAN g!Viewer software or App. Video calls are dependent on the hardware being used.</p>
Point-To-Point Calls	Two-way audio and/or video call between compatible intercom stations
Point-To-Group Calls	Call request to a group of intercom stations for two-way audio and/or video calls
Do Not Disturb	When enabled, intercom stations are not available for point-to-point, or point-to-group, calls. This setting may be overridden by the person initiating a call by using a pre-defined 4 digit code.



*Navigating  
the g!  
Intercom  
Settings  
page*

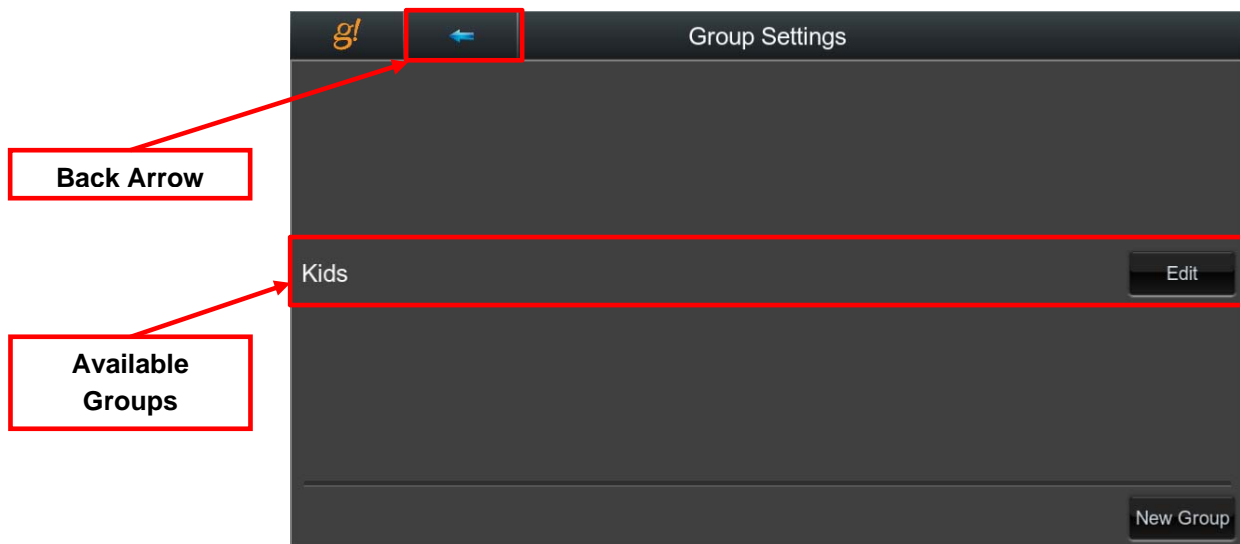
The g! Intercom Settings main page allows for selecting Configure Groups or Set Security Code settings pages.



g! Intercom Settings Main Page Terminology Quick Reference	
Configure Groups	Allows for creating and assigning groups of intercom stations for use in point-to-group communications. Groups are configured per door station.
Set Security Code	Allows for setting a 4 digit code used to override intercom stations with the Do Not Disturb feature enabled. The factory default 4 digit code is 1 2 3 4.
g! Icon	Exits the Intercom Settings page and returns to the Intercom main page.

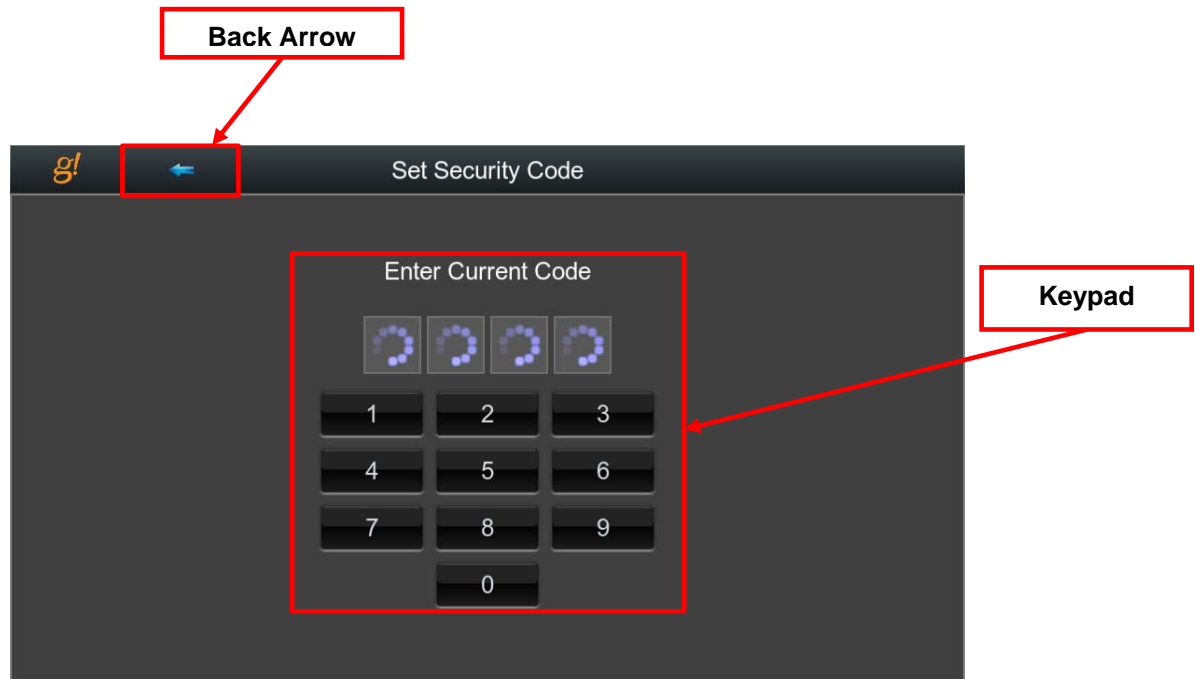


The Group Settings page allows for displaying, creating, and editing groups of intercom stations for point-to-group communications.



g! Intercom Group Settings Page Terminology Quick Reference	
Groups	Names of intercom stations assigned for a point-to-group communication.
New Group	Creates a new Group to have intercom stations assigned to.
Edit	Edits an existing groups assigned intercom stations. Allows for renaming an existing group.
Back Arrow	Returns to the previous page.

The Set Security Code page allows for creating a 4 digit security code number for overriding an intercom station with Do Not Disturb enabled.



<b>g! Intercom Station Selected Page Terminology Quick Reference</b>	
Keypad	Sets the 4 digit security code to be used for overriding Do Not Disturb on receiving intercom stations. The factory default setting is 1 2 3 4.
Back Arrow	Returns to the previous page.


# Exercise 1: Accessing the Intercom Settings page

*Overview* Exercise 1 demonstrates how to access the main Intercom Settings page from an ELAN gTP7, 7" touch panel, or another compatible ELAN g! user interface.

*How-to* Access the Intercom Settings page

1. From the g! Main Menu, select the **Intercom App**.



2. Select the **Gear Icon**  button in the upper right hand corner.



3. The **Intercom Settings** main page is displayed. See exercises 2 for how to Configure Groups.



## Exercise 2: Creating a Group

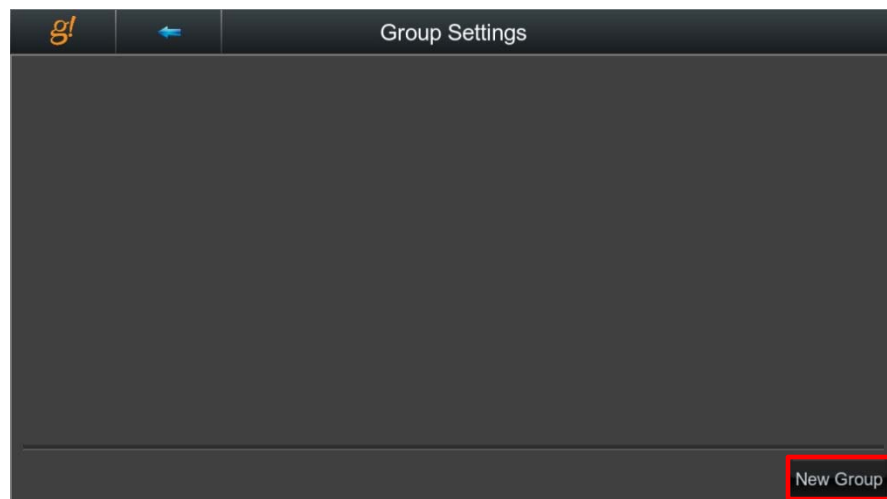
*Overview* Groups allow for point-to-group paging from an intercom station and are unique to each intercom station. Exercise 2 demonstrates how to create a Group for assigning multiple intercom stations for point-to-group calls from an ELAN gTP7, 7" touch panel.

*How-to* Create a Group

1. From the Intercom Settings main page, select the **Blue Arrow** to the right of Configure Groups.

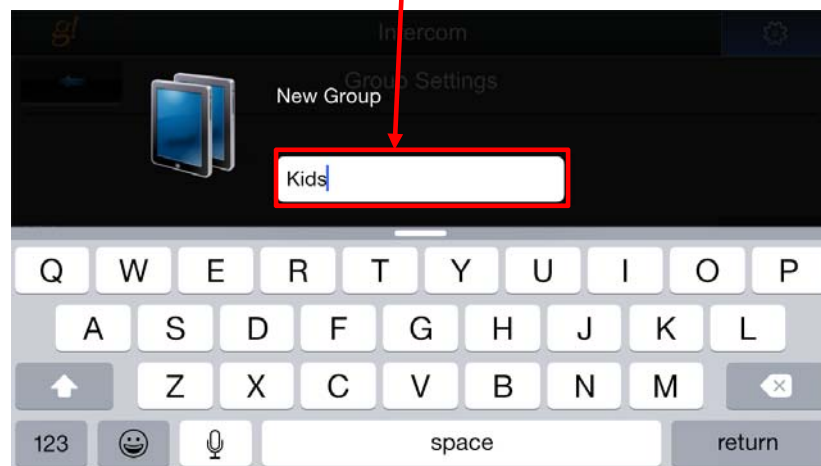
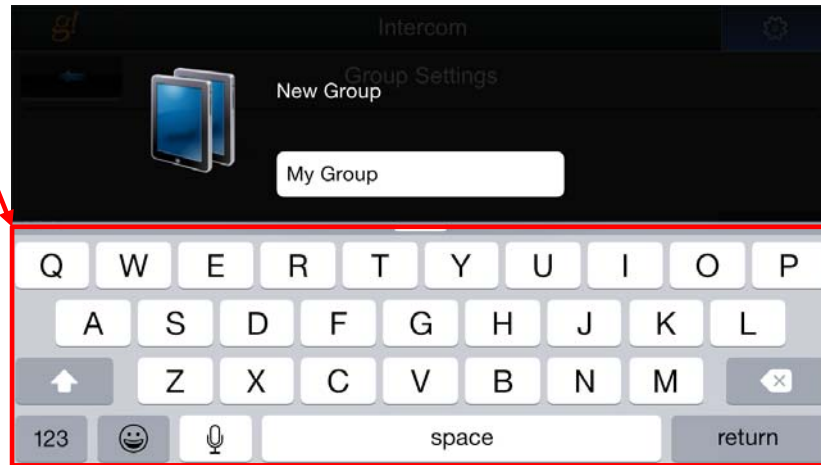


2. *The Group Settings page appears.* Select the **New Group** button to create a new intercom stations group.

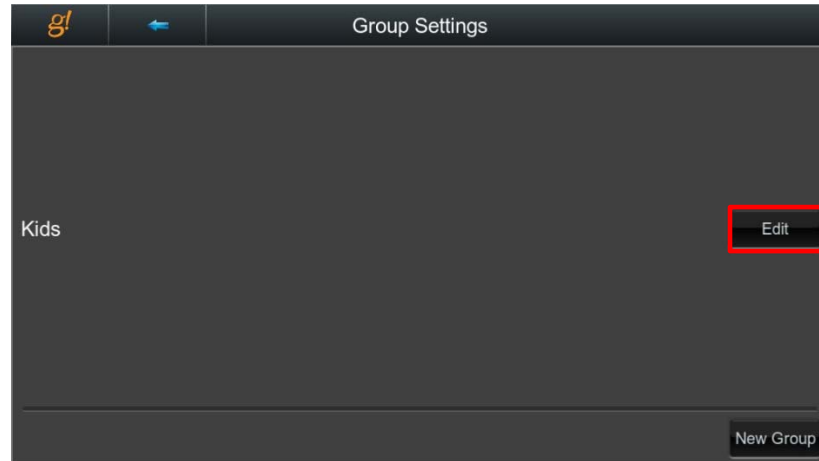


3. *The New Group naming window appears.* Use the keyboard on the device to enter a name for the new group. This exercise will enter **Kids**. Press **Return or Enter** on the device being used to configure the intercom groups to enter the name and finish creating the group.

Keyboard on the device  
being used to configure the  
intercom Groups.



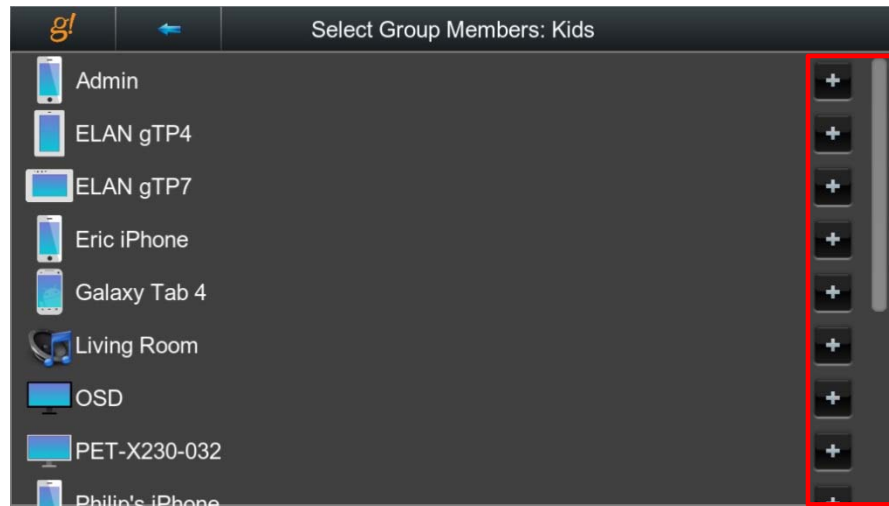
4. The *Group Settings* page reappears with the *Kids* group now available for editing. Select the **Edit** button to begin assigning intercom stations to the group.



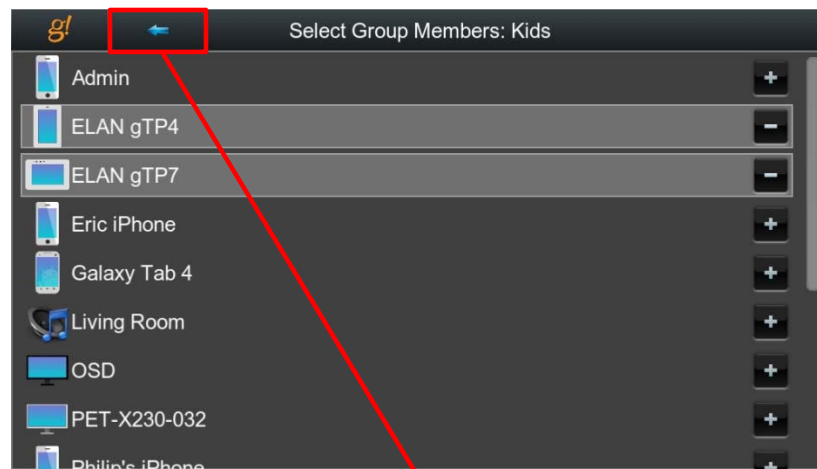
5. The *Edit Intercom Group: Kids* page appears. Select the **Select Members...** button begin adding intercom stations.



6. The *Select Group Members: Kids* page appears. Use the **+** (plus) button to the right to add intercom stations to the selected Group.

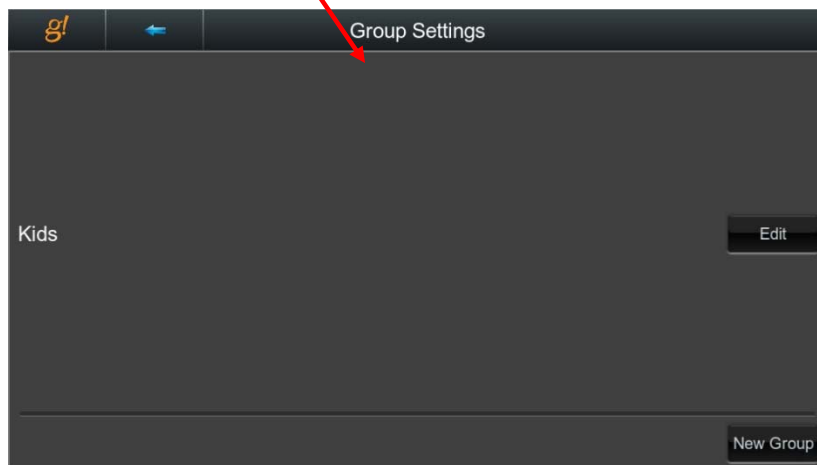


7. When finished adding intercom stations to the group select the **Back Arrow** button to return to the Edit Intercom Groups:Kids page.





8. Verify the correct intercom stations are assigned to the group and press the **Back Arrow** button to return to the Group Settings page



9. Repeat steps 1 through 8 to create additional groups. When finished select the Back Arrow button to return to the Intercom Settings main page.



**Note:** Groups are setup per intercom station. Repeat this exercise on each intercom station to add Groups.

## Exercise 3: Setting Up a Security Code

*Overview* Exercise 3 will demonstrate how to make setup a security code to override an intercom station's Do Not Disturb function. The security code may be any 4 digit number. The factory default code is 1 2 3 4.

*How-to* Set up a Security Code

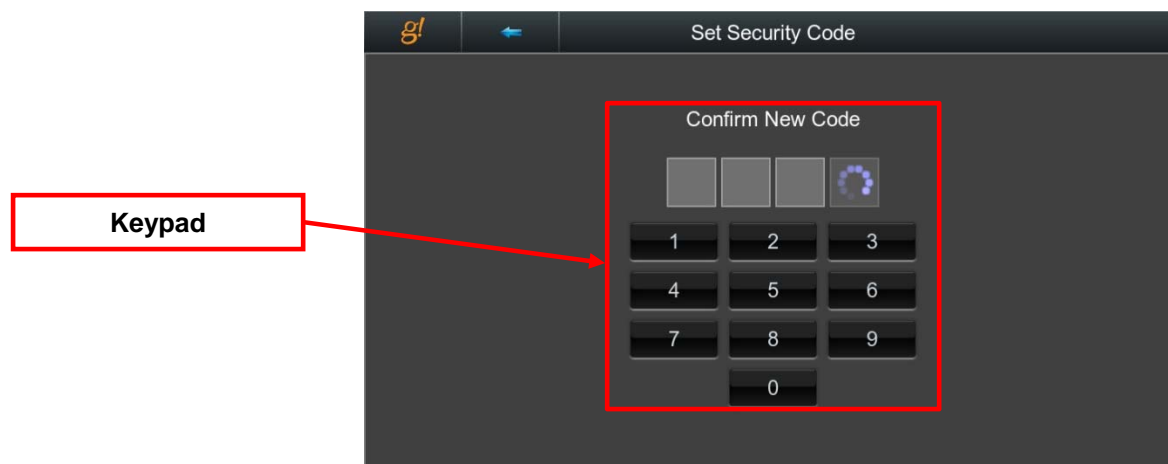
1. From the Intercom Settings main page, select the **Blue Arrow** to the right of Set Security Code.



2. The *Set Security Code* page appears. Using the Keypad enter each **Digit** button for the desired 4 digit code.



3. Once the 4 digit code has been enter the Confirm Code page appears. Reenter the **desired security code** using the Keypad.



4. Once the 4 digit code has been confirmed you will be returned to the Intercom Settings main page.



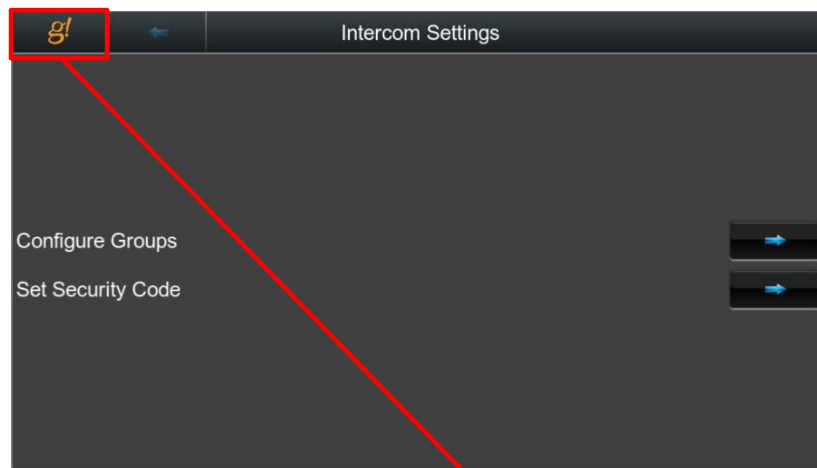
5. Repeat steps 1 through 4 to change the 4 digit security code.

## Exercise 4: Exiting the Intercom Settings page

*Overview* Exercise 4 will demonstrate how to exit the Intercom Settings page and return to the ELAN intercom functions.

*How-to* Exit the Intercom Settings page

1. At any time in the Intercom Settings simply select the **g! Icon** to exit the Intercom Settings and return to the ELAN intercom.



2. Repeat Exercises 1 through 4 to add or edit Groups or to change the Security Code.

## Notes:

[illegible]

## Notes:

[illegible]

# Lesson 4

## Door Stations: g!Configurator



### Overview

This lesson provides information on how to connect and enable Intercom door stations.

In this lesson you will:

- Become familiar with door station connectivity
- Learn how to enable the ELAN SIP Server
- Learn how to add compatible door stations
- Learn how to name compatible door stations
- Learn how to link video to compatible door stations
- Learn how to create a Push Message

### Requirements

- g! system controller and g!Tools.
- Compatible door station

# Door Stations in the g!Configurator

## Overview

The ELAN Intercom is compatible with SIP-enabled door stations. ELAN recommends using only products that have been tested and verified to work with the ELAN Intercom. Each door station is a point-to-group intercom station and will initiate a call request when the doorbell button is pressed.

Each point-to-point intercom station will give answering options for the door station that include audio calls and video calls. Door stations may have video from an IP camera linked to them if they do not feature a built-in camera.

## Wiring

Wiring for a compatible door station is easy and most compatible door stations require only a category cable, CAT-5e or CAT-6 recommended, to provide audio, video, and power to the door station up to 100M (330 feet) away.

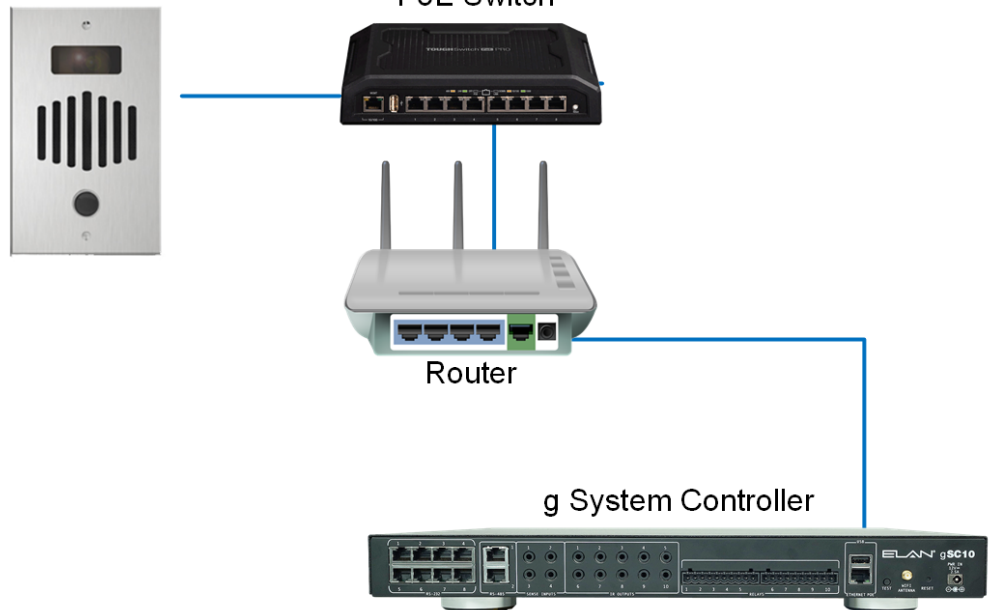
Typically a SIP-enabled door station will require a PoE, Power over Ethernet, injector, such as a PoE enabled Ethernet switch. Always check the manufacturer's specifications for PoE compatibility.

SIP-Enabled Door Station

PoE Switch

Router

g System Controller



— Category Cable



*g!Configurator* The ELAN g!Configurator is used to enable the ELAN SIP Server and rename compatible door station(s) being used in a project. The ELAN SIP Server allows for SIP-enabled door station(s) to communicate with other intercom stations and is only needed when using ELAN Intercom compatible door station(s).

**Note:** For more information on compatible SIP-enabled door stations please refer to the ELAN dealer website.

<b>g! Intercom Door Station Terminology Quick Reference</b>	
Intercom Stations	<p>A network device that can receive and initiate one-way, or two-way, audio and/or video calls.</p> <p><b>Note:</b> Stations include compatible 3<sup>rd</sup> party devices running the ELAN g!Viewer software or App. Video calls are dependent on the hardware being used.</p>
Door Station	SIP-enabled devices used to initiate and receive two-way audio and/or video calls from entry points
Session Initiated Protocol (SIP)	Session Initiated Protocol (SIP) is a communications protocol for signaling and controlling multimedia communications sessions. Most commonly used for voice and video calls over Internet Protocol (IP) networks.
ELAN SIP Server	ELAN's server that manages messages between SIP enabled door stations and other compatible stations.
Video Link	Link external IP video to audio only compatible SIP-enabled door stations for optimal security

# Exercise 1: Enabling the ELAN SIP Server

**Overview** In order to communicate with compatible SIP-enabled door stations the ELAN SIP Server needs to be enabled on the g! System Controller. The ELAN SIP Server is enabled in the Messaging tab. This exercise will go over how to enable the ELAN SIP Server.

If no compatible SIP-enabled door stations are being used then this exercise may be skipped.

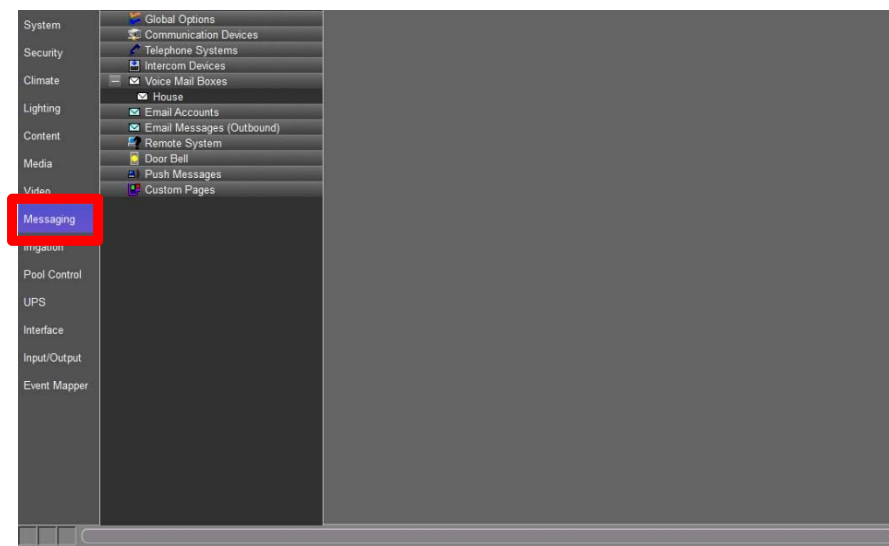
**Note:** Compatible SIP-enabled door stations need to be setup before being added to the g! Intercom system. When configuring a compatible SIP-enabled door station, set the SIP server address to the IP address of the gSC controller. If the gSC controller is set to DHCP then set the compatible SIP-enabled door station's multicast address to 232.0.0.102. For more information please refer to the Integration Note for the compatible SIP-enabled door station being used.

**Terms** The following terms are important to know for this exercise:

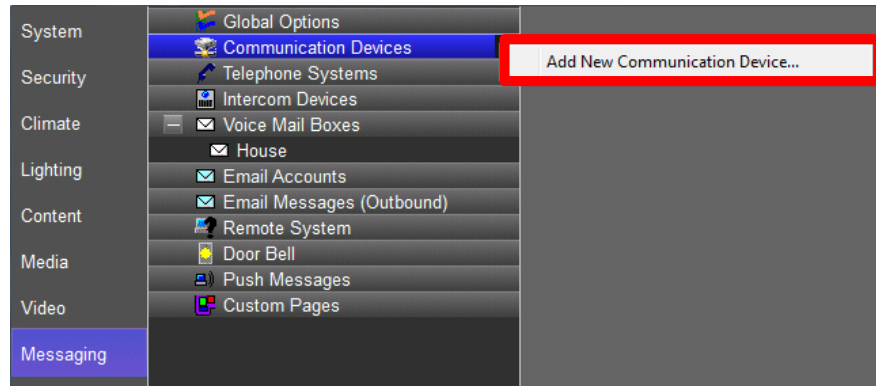
- **Communication Devices:** The method the g! software uses to communicate with an external device, including information about the connection type and protocol.
- **ELAN SIP Server:** Server that manages messages between SIP enabled door stations and other compatible stations.
- **Door Station(s):** SIP-enabled devices used to initiate and receive two-way audio calls from entry points

**How-to** Add the ELAN SIP Server

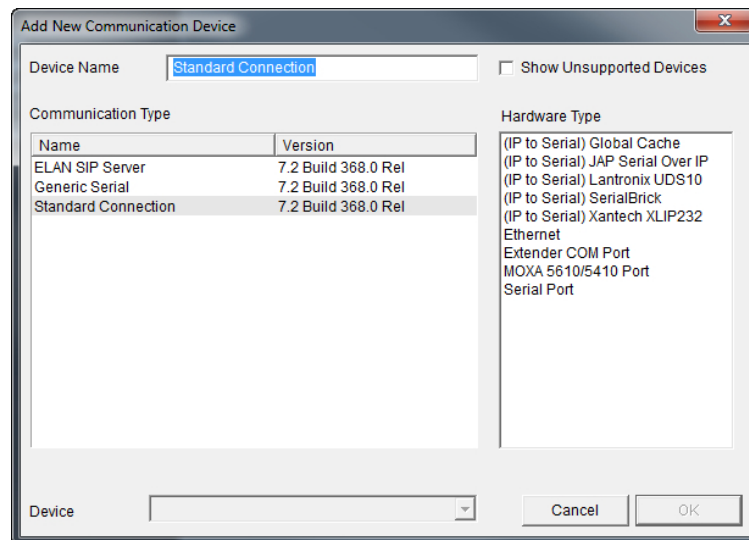
1. Click the **Messaging Tab** in the g!Configurator. *The Messaging Tab's node tree appears.*



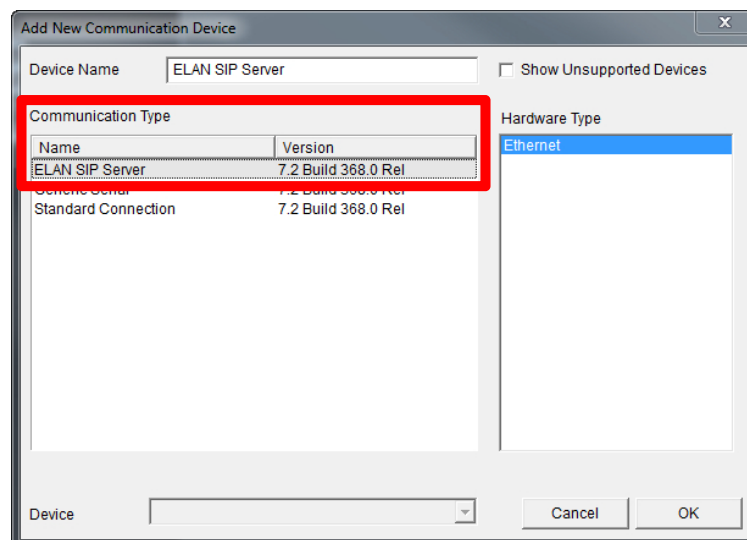
2. Click the **Communication Devices** node.
  - a. Select the **Arrow Box** or **Right-click** the Communication Devices node
  - b. Select **Add New Communications Device**



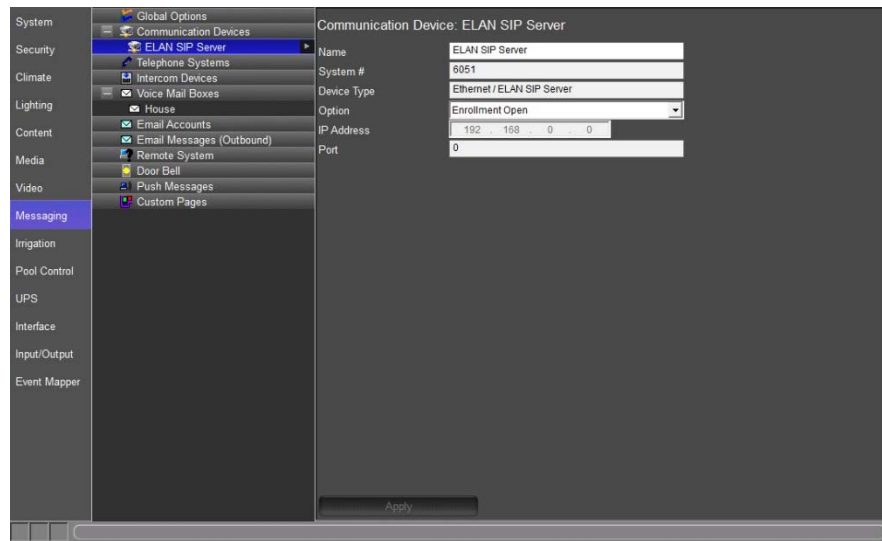
3. In the Add New Communication Device window:



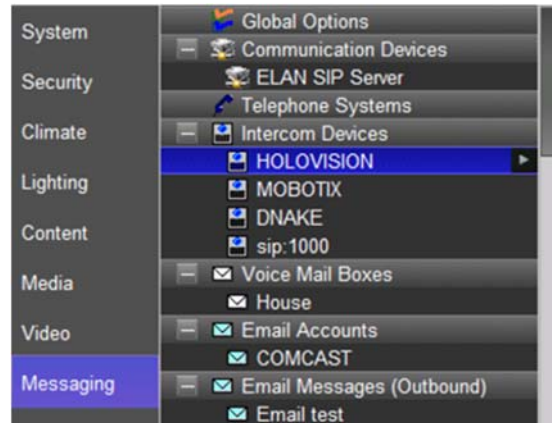
- a. Select **ELAN SIP Server** Communication Type



b. Select **OK** to add the ELAN SIP Server.



**Note:** Once the ELAN SIP Server is added, compatible SIP-enabled door stations will automatically be added to the system when they register with the controller. The door stations will populate under the Intercom Devices node in the Messaging Tab (see image below). For more information please refer to the Integration Note for the compatible SIP-enabled door station being used.



## Exercise 2: Adding & Naming a Door Station

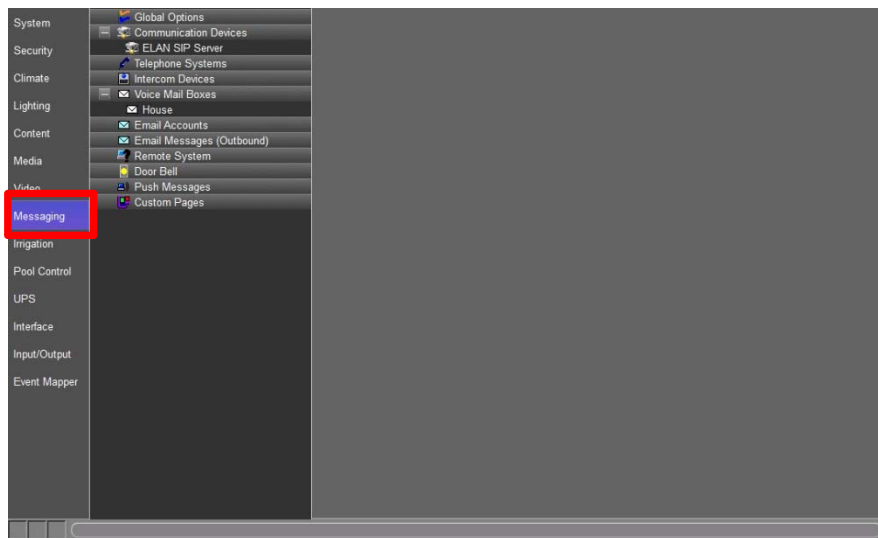
*Overview* Exercise 2 shows how the ELAN Intercom compatible door stations are added and named in the g!Configurator software.

*How-to* Add a Door Station

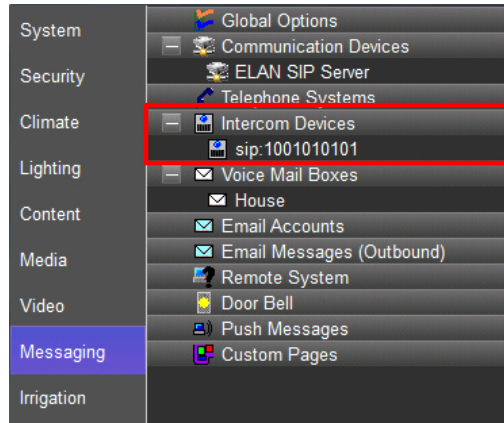
1. Ensure that the SIP-enabled compatible door station has been fully setup for use with an ELAN g system before proceeding.



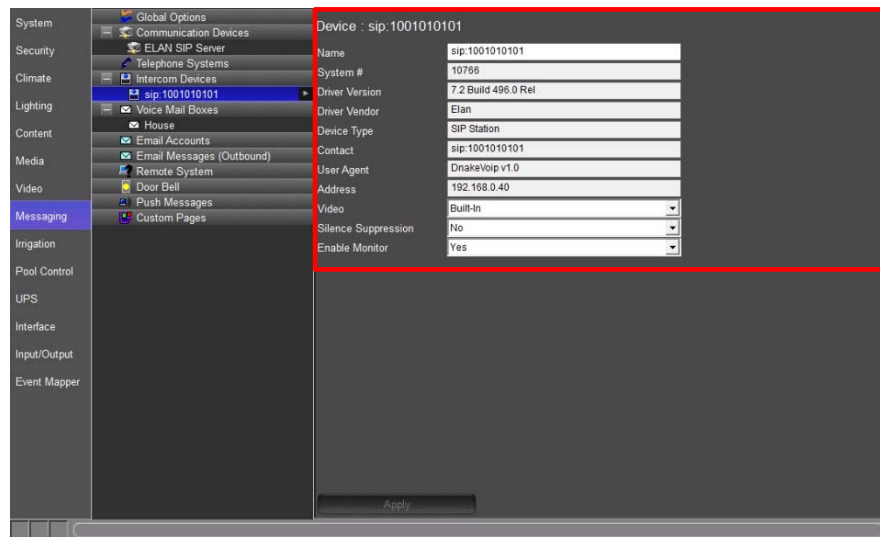
2. Click the **Messaging Tab** in the g!Configurator. *The Messaging Tab's node tree appears.*



3. Power on the compatible SIP-enabled door station. After the door station powers on and connects to the network the door station unit(s) will appear in the Intercom Devices node in the Messaging Tab's system node tree.



4. Select the newly added **Intercom Device** node to display the selected nodes properties pane information.



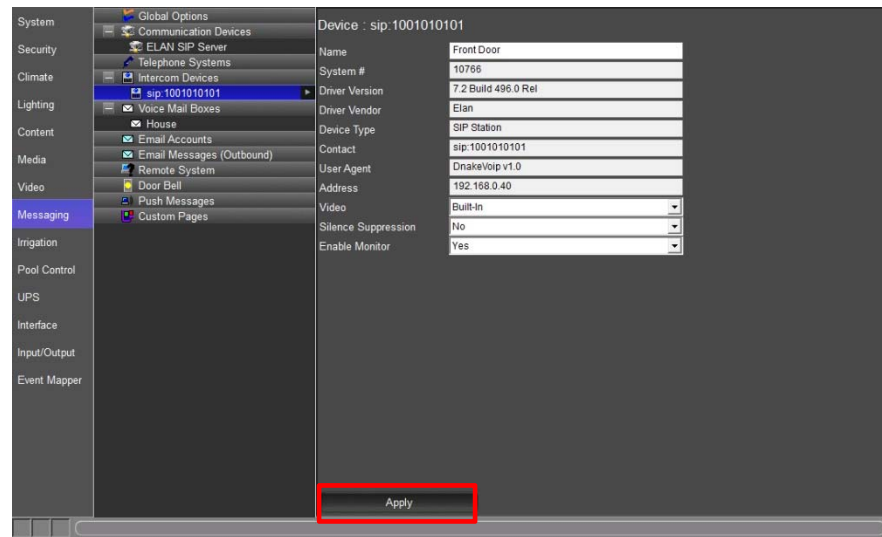
<b>g! Intercom Door Station Properties Pane Quick Reference</b>	
Name	Editable field used to name the door station. This is the name that will appear in the Intercom app of the g!Viewer.
System #	Unique, read-only number assigned by the <b>g!</b> software for internal use.
Driver Version	Core module rev the driver was last verified in.
Driver Vendor	Company that created the driver being used.
Device Type	Type of device being used by the ELAN SIP Server.
Contact	The ID of the Device Type.
User Agent	The software being used on the door station Station.
Address	The IP address assigned to the door station.
Video	The IP video to be associated to the door station.
Silence Suppression	Limits the amount of ambient noise interference during communication.
Enable Monitor	Used to disable monitoring of a compatible door station.

5. Select the **Name field** and rename the door station. ELAN recommends using a concise, descriptive, name so that the end user can easily identify each door station's location. *This step will name the door station **Front Door**.*

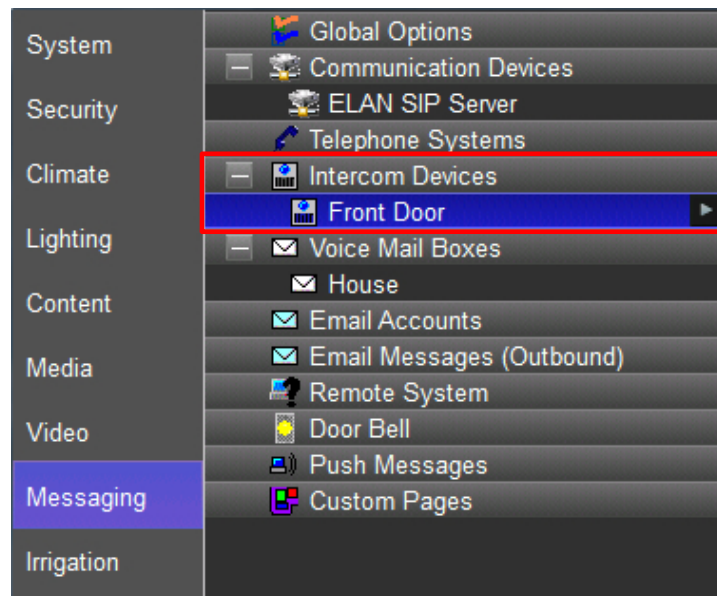
Device : sip:1001010101

Name	Front Door
System #	10766
Driver Version	7.2 Build 496.0 Rel
Driver Vendor	Elan
Device Type	SIP Station
Contact	sip:1001010101
User Agent	DnakeVoip v1.0
Address	192.168.0.40
Video	Built-In
Silence Suppression	No
Enable Monitor	Yes

6. Select **Apply** to save the change to the g! System Controller.



7. Confirm the name changed in the **Intercom Devices** node.



8. Repeat steps 1-7 for each additional door station.



## Exercise 3: Video Link: Assigning Video

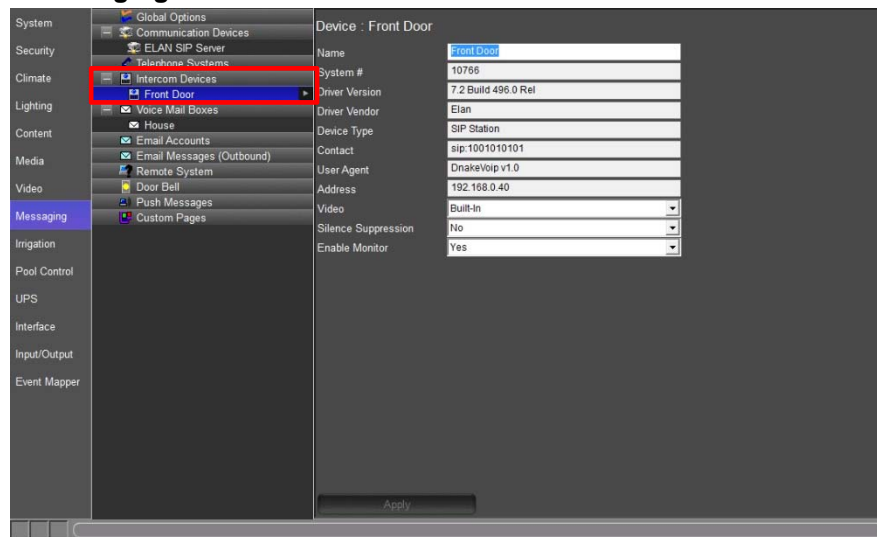
*Overview* Security is important and one of the features of an intercom system is the ability to communicate and see who is at an entry/exit point. The ELAN Intercom is compatible with many SIP-enabled door stations and some of them do not have a built-in video camera. ELAN's Video Linking feature allows you to associate an IP camera to a compatible door station by linking the desired IP video stream to the door station.

Exercise 3 will show you how to assign an IP video stream to an ELAN Intercom compatible door station for Video Linking.

**Note:** If the door station being used features a built-in camera this exercise may be skipped.

*How-to* Assign a video stream to a compatible door station

1. Select the desired **door station** in the **Intercom Devices** node of the **Messaging Tab**.



2. Locate the **Video drop down field** in the Properties Pane for the selected door station.

Device : Front Door

Name	Front Door
System #	10766
Driver Version	7.2 Build 496.0 Rel
Driver Vendor	Elan
Device Type	SIP Station
Contact	sip:1001010101
User Agent	DnakeVoip v1.0
Address	192.168.0.40
Video	Built-In
Silence Suppression	No
Enable Monitor	Yes

3. Select the **Video drop down button** to view available IP video streams.

Device : Front Door

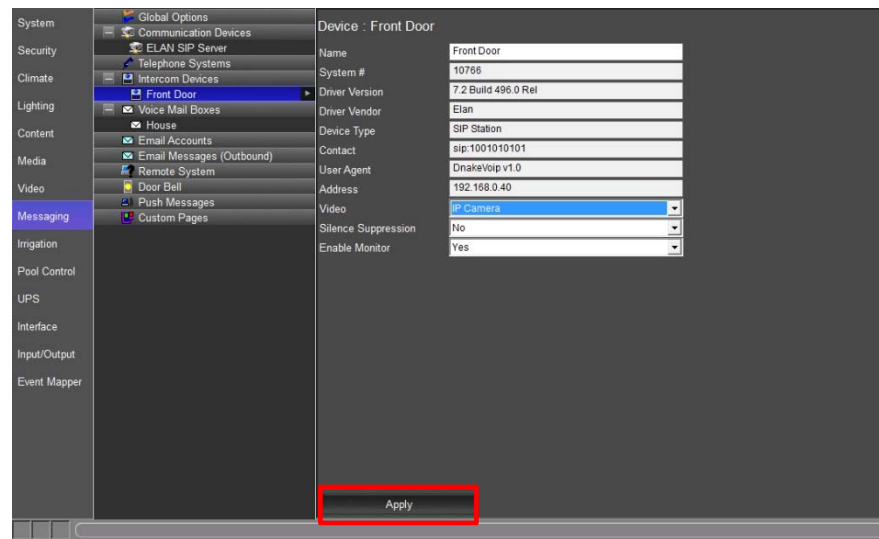
Name	Front Door
System #	10766
Driver Version	7.2 Build 496.0 Rel
Driver Vendor	Elan
Device Type	SIP Station
Contact	sip:1001010101
User Agent	DnakeVoip v1.0
Address	192.168.0.40
Video	Built-In
Silence Suppression	Built-In
Enable Monitor	IP Camera
	ELAN gTP7
	HoloVision Cam

4. Select the desired **IP Video stream**. *This step will use IP Camera.*

Device : Front Door

Name	Front Door
System #	10766
Driver Version	7.2 Build 496.0 Rel
Driver Vendor	Elan
Device Type	SIP Station
Contact	sip:1001010101
User Agent	DnakeVoip v1.0
Address	192.168.0.40
Video	IP Camera
Silence Suppression	No
Enable Monitor	Yes

5. Select Apply to save the changes to the g! System Controller.



**Note:** For more information please refer to the Integration Note for the compatible SIP-enabled door station being used.

6. Repeat steps 1-5 for each additional door station that needs to have video linked to it.

Proceed to Lesson 5: Door Stations: g!Viewer



## Exercise 4: Creating a Push Message

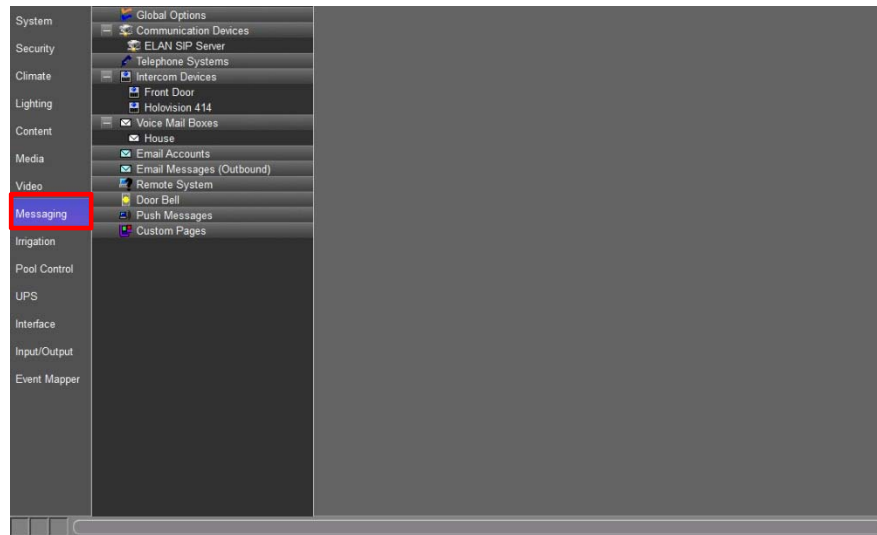
**Overview** The ELAN g! Intercom can be used to send Push, or Pop, Messages to compatible mobile devices. The push message may be used to notify a user of the g! System when an event, such as when a door is unlocked, the garage door is opened, or someone has rang the front doorbell.

The Push Messages are setup in the Messaging Tab of the g! Configurator and assigned to device(s) in the Event Mapper tab.

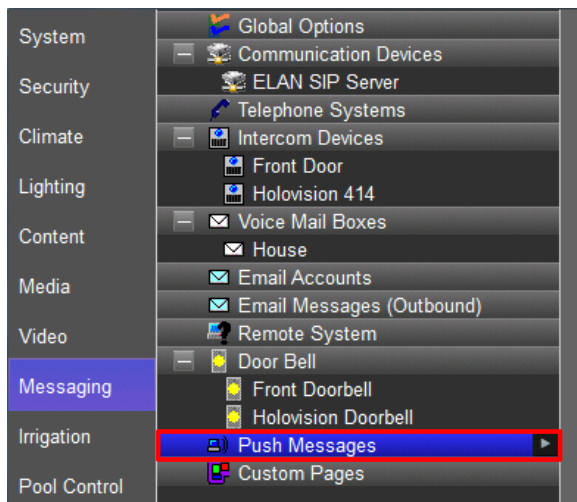
Exercise 4 will show you how to setup a Push Message in the Messaging Tab for use in an Event Map.

**How-to** Setup a Push Message

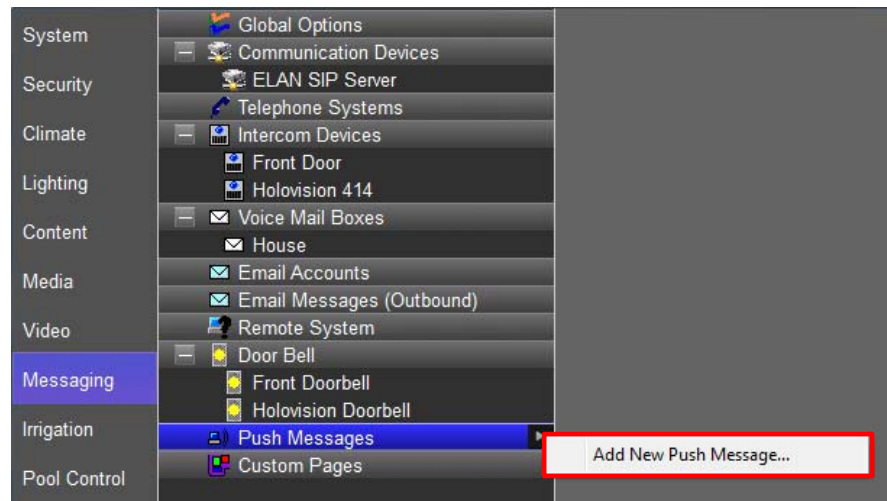
1. In the g!Configurator, select the **Messaging Tab**.



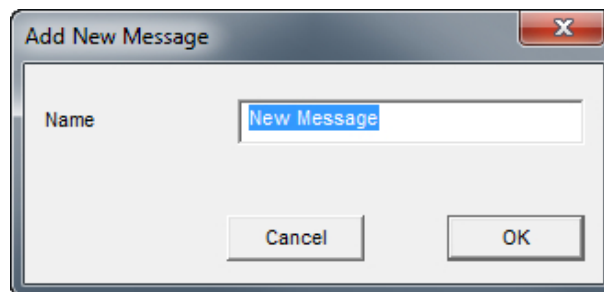
2. Locate and select the **Push Messages** node in the System Node Tree.



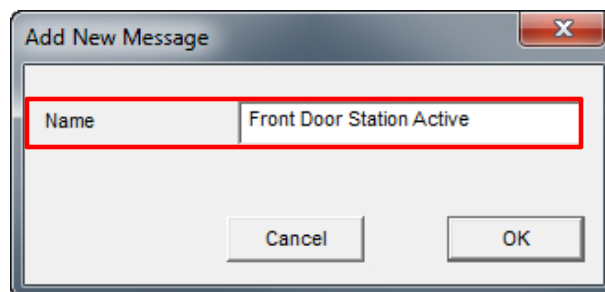
3. Right click the **Push Messages** node. *The Add New Push Message... pop up appears.*



4. Select the desired **Add New Push Message** pop up. *The Add New Message name window appears.*



5. Enter the **desired name** for the new Push Message. *This step will enter the name **Front Door Station Active**.*



6. Select **OK** to add the new Push Message notification node.

System : Global Options  
 Security : Communication Devices  
 Climate : ELAN SIP Server  
 Lighting : Telephone Systems  
 Content : Intercom Devices  
 Media : Front Door  
 Video : Holovision 414  
 Messaging : Voice Mail Boxes  
 Irrigation : House  
 Pool Control : Email Accounts  
 UPS : Email Messages (Outbound)  
 Interface : Remote System  
 Front Door Station Active

Push Message : Front Door Station Active

Name: Front Door Station Active  
 System #: 10622  
 Text: My Message

Token Reference (Insert anywhere in Text above)

Token	Description
<TIME>	Current Time
<DATE>	Current Date
<LAST_CID>	Last Caller ID Name
<LAST_REMOTE_NA...	Last Remote Login Name
<LAST_REMOTE_IP>	Last Remote IP Address
<ROOMTEMP:x>	Thermostat Room Temp where (x = system ...
<HEATSP:x>	Thermostat Cool Set Point where (x = syste...
<COOLSP:x>	Thermostat Heat Set Point where (x = syste...
<SINGLESP:x>	Thermostat Single Setpoint where (x = syst...
<NVMAIL:x>	Number of voicemails in mailbox (x = syste...
<NEMAIL:x>	Number of emails in mailbox (x = system n...
<OUTSIDET>	Outside Temperature

### Push Messages Quick Reference

Name	Editable field used to name the Push Message. This name is used as a reference while in the g!Configurator Software.
System #	Unique, read-only number assigned by the g! software for internal use.
Text	Editable field for inserting text and Token References for the Push Message.
Token Reference	Tokens used to reference states of certain aspects in the g System Controller when a Push Message is created.

7. Enter the **desired text for the Push Message** in the Text field. *This step will enter **Someone is at the Front Door <TIME> <DATE>**.*

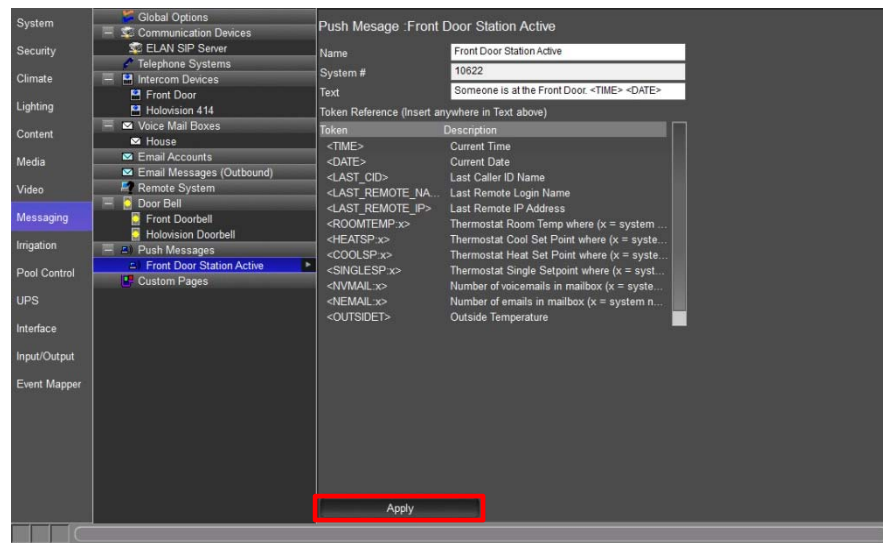
Push Message : Front Door Station Active

Name: Front Door Station Active  
 System #: 10622  
 Text: Someone is at the Front Door. <TIME> <DATE>

Token Reference (Insert anywhere in Text above)

Token	Description
<TIME>	Current Time
<DATE>	Current Date
<LAST_CID>	Last Caller ID Name
<LAST_REMOTE_NA...	Last Remote Login Name
<LAST_REMOTE_IP>	Last Remote IP Address
<ROOMTEMP:x>	Thermostat Room Temp where (x = system ...
<HEATSP:x>	Thermostat Cool Set Point where (x = syste...
<COOLSP:x>	Thermostat Heat Set Point where (x = syste...
<SINGLESP:x>	Thermostat Single Setpoint where (x = syst...
<NVMAIL:x>	Number of voicemails in mailbox (x = syste...
<NEMAIL:x>	Number of emails in mailbox (x = system n...
<OUTSIDET>	Outside Temperature

8. Select **Apply** when finished.



9. Repeat steps 1-8 to add additional Push Message notification options.

**Note:** Push Messages in the Messaging Tab are assigned to devices in the Event Mapper Tab. See Exercise 5 for more information.

## Exercise 5: Event Map: Push Notification

**Overview** The ELAN g! Intercom can be used to send Push Messages to compatible mobile devices. The message may be used to notify a user of a g! System event, such as a door is unlocked, the garage door is opened, or someone has rang the front doorbell.

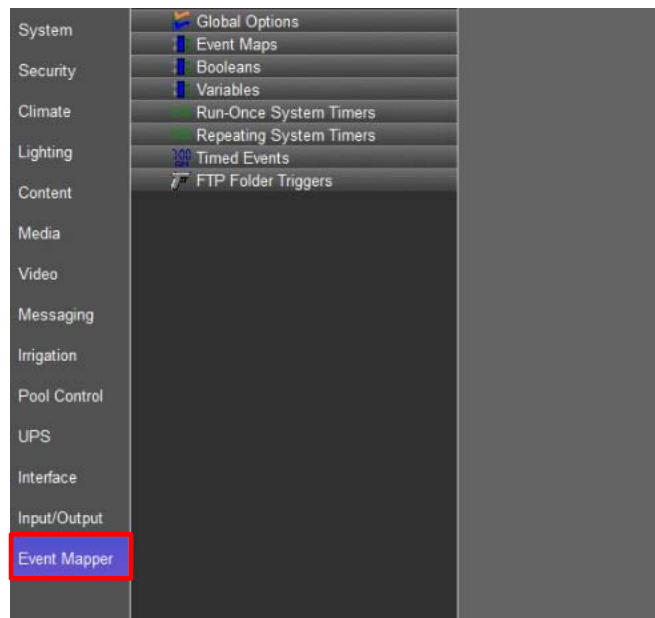
The Push Messages are triggered by an event. The event is created in the Event Mapper tab for the desired device.

Exercise 5 will show you how to create an Event Map to send a Push Message to a mobile device.

**Note:** The mobile device must be registered with the ELAN g! Intercom system in order for Push Messages to work.

**How-to** Create an Event Map to send Push Message

1. Open the g!Configurator and select the **Event Mapper Tab**.

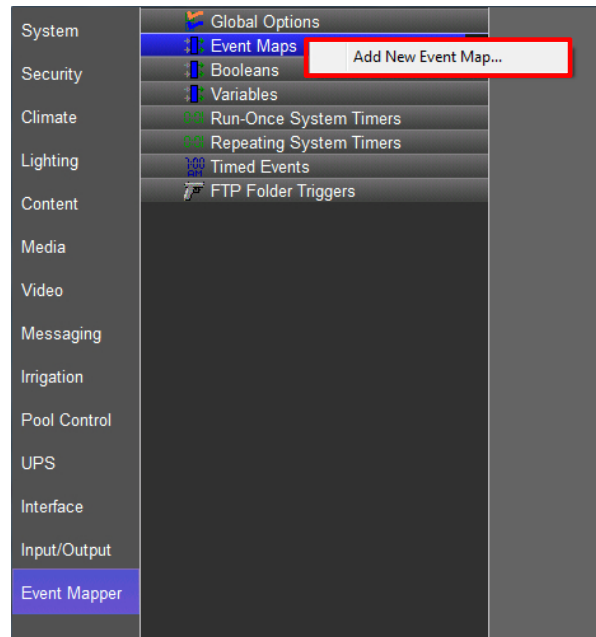


### Quick Reference: Event Mapper Tab

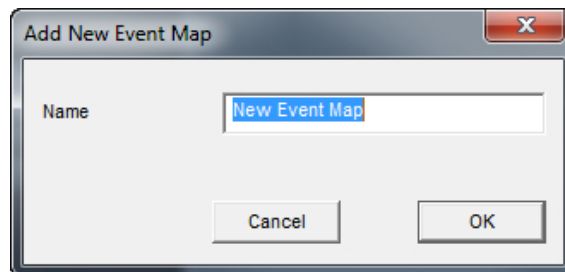
Global Options	Enables or disables all event maps
Event Maps	Events, conditions, and commands are added and managed here.



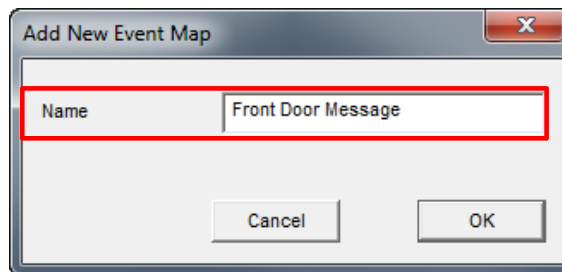
2. Right click on the **Event Maps** node. *The Add New Event Map... pop up appears.*



3. Select the **Add New Event Map....** *The Add New Event Map window appears.*



4. Type in the **desired name** in the name field. *This step will use the name **Front Door Message**.*



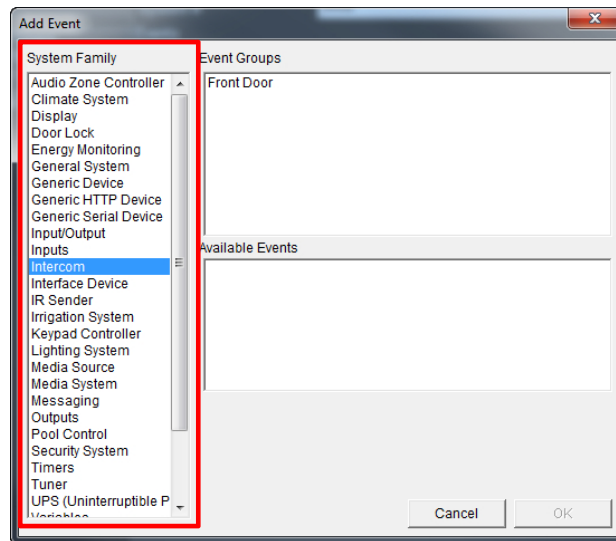
5. Select **OK** to add the new event.

The screenshot shows the 'Event Mapper' window in the g!Configurator software. The left sidebar lists various system components, with 'Event Mapper' selected. The main area is titled 'Event Map: Front Door Message'. It contains fields for 'Name' (Front Door Message) and 'System #' (10636). Below these are three tables: 'Events', 'Conditions', and 'Commands'. Each table has columns for 'Sub-System', 'Type', 'Family', and 'Sys #'. To the right of each table are 'Add' and 'Remove' buttons. At the bottom of the window are buttons for 'Apply', 'Test Commands Now', 'Copy Commands', and 'Paste Commands'.

6. In the properties pane for the newly added event, select **Add** in the Events row.

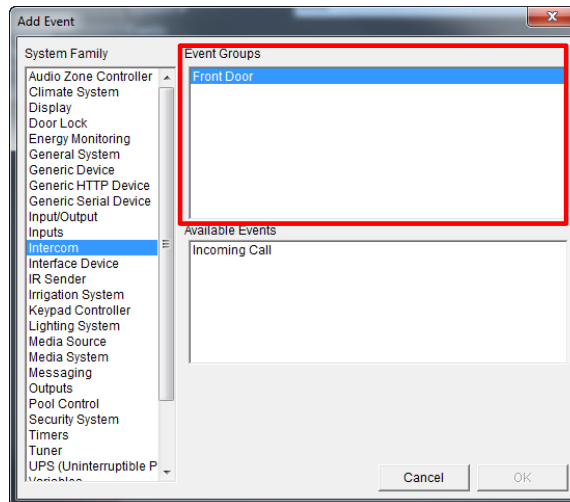
This screenshot is similar to the previous one, but the 'Add' button in the 'Events' row is highlighted with a red rectangle. The 'Events' table is currently empty, and the 'Add' button is the first option in the list of actions for that row.

7. The Add Event window appears. Select the System Family **Intercom**.

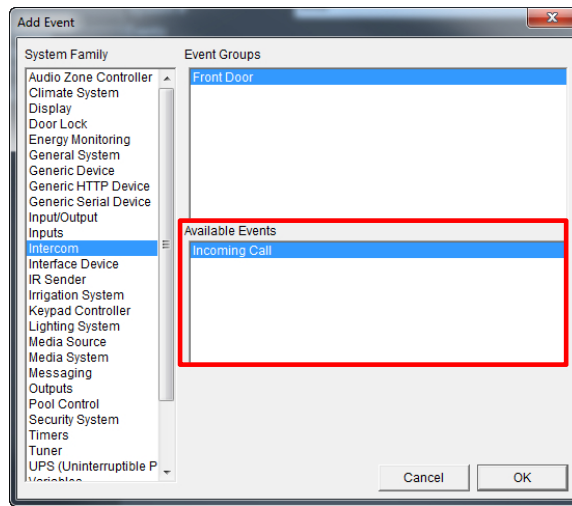
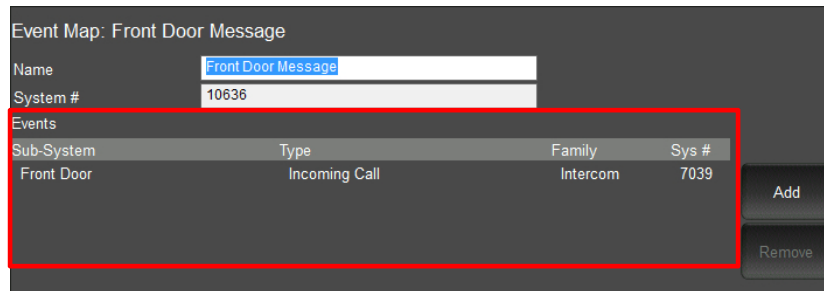


<b>g! Add Event Terminology Quick Reference</b>	
System Family	A set of system components a device is assigned to.
Event Groups	A group of system devices with available commands.
Available Events	An available command used to create an event.
Options	Available for some Available Events. Options appears when an Available Event has multiple commands.

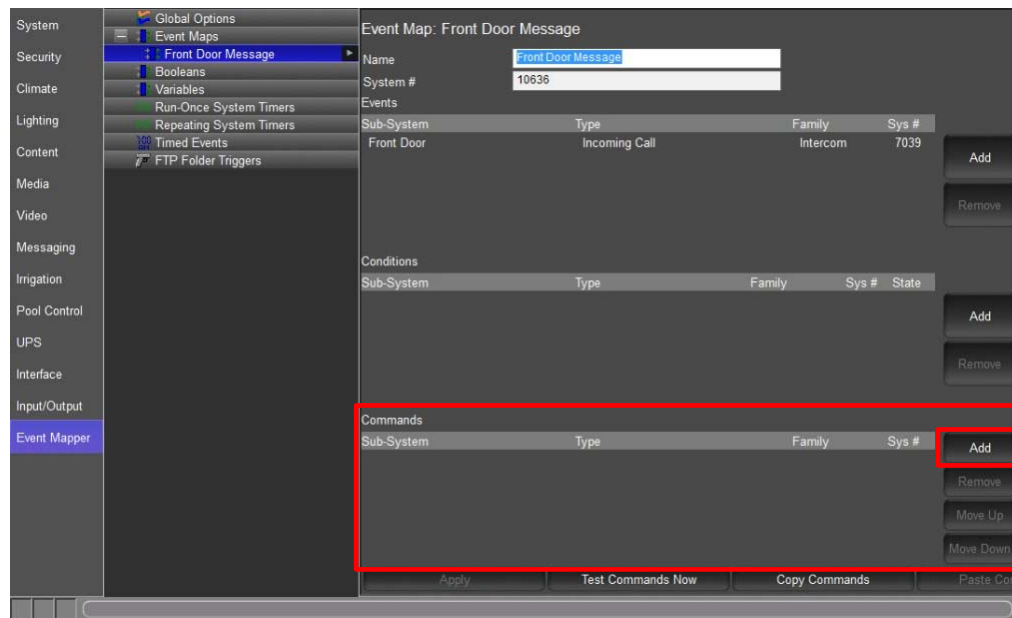
8. Select the Event Group **Front Door**.



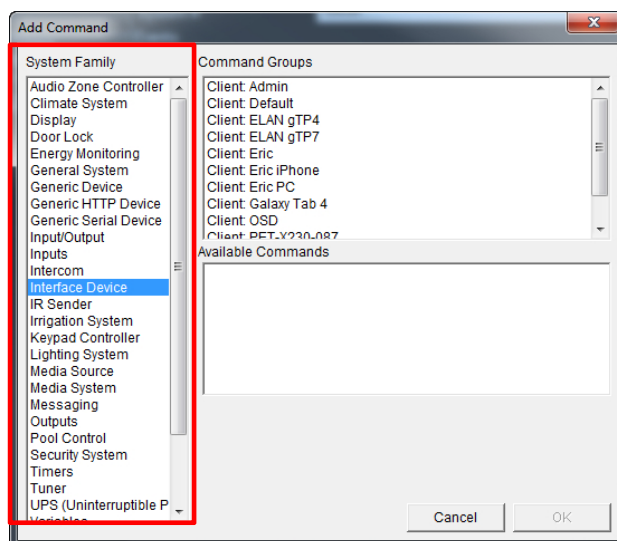
**Note:** The “Front Door” door station was created in Lesson 4, Exercise 2.

9. Select the Available Events **Incoming Call**.10. Select **OK** to add the Incoming Call event.

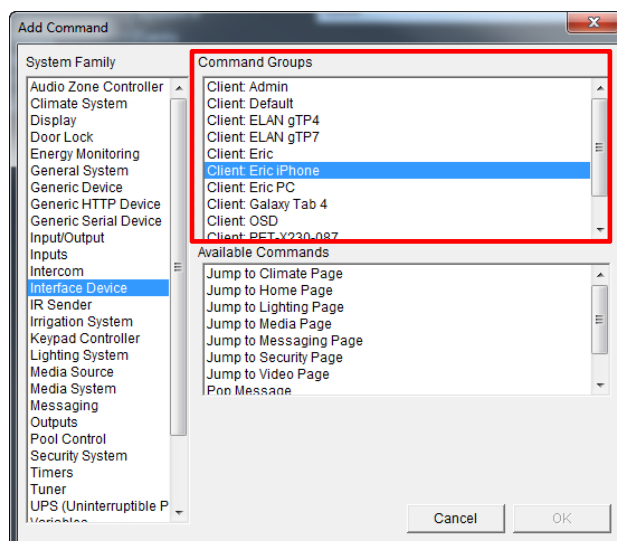
**Note:** An Incoming Call event is used to note when the button on a door station has been pressed.

11. In the **Commands** row, select **Add**.

12. The Add Event window appears. Select the System Family **Interface Device**.

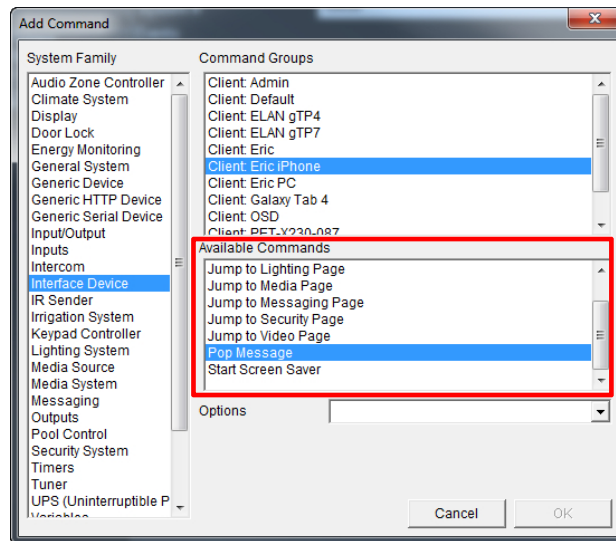


13. Select the **desired User Interface** in Command Groups. *This step will select Client: Eric iPhone.*

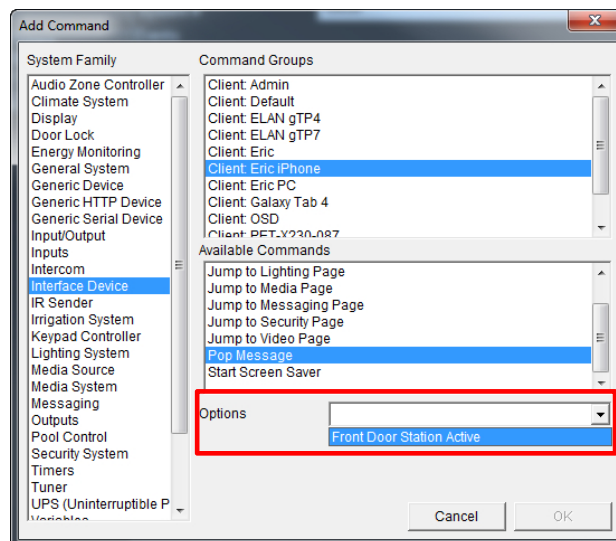


**Note:** Interface Devices shown in Command Groups may differ.

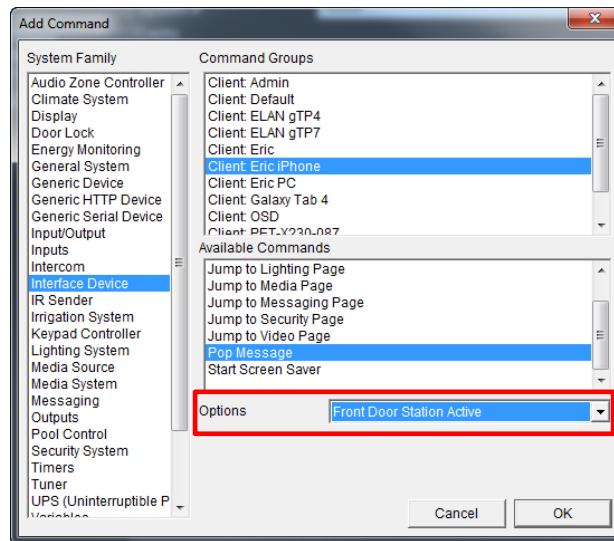
14. Select **Pop Message** in Available Events.



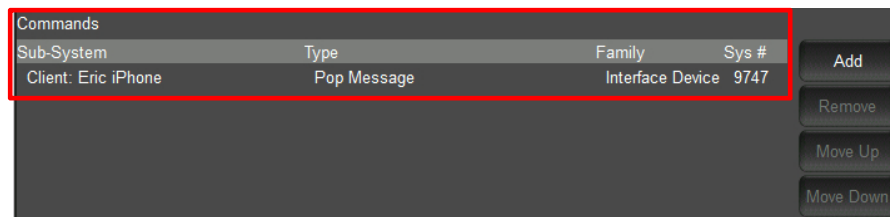
15. Select the **Options Drop Down** button to display the available Push Message options entered during Exercise 4.



16. Select the **desired Push Message**.

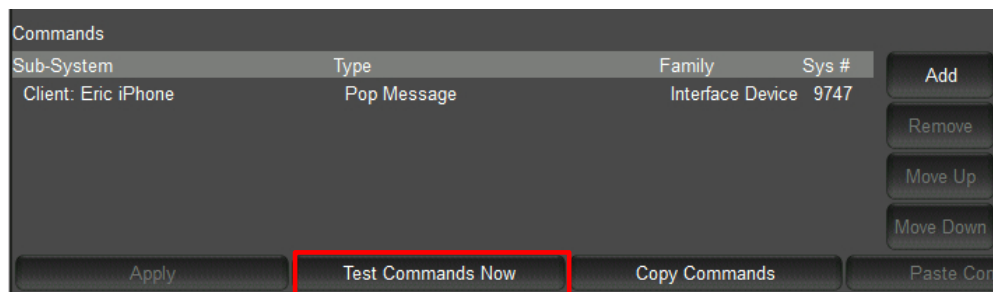


17. Select **OK** to add the Push Message Command to the Event.



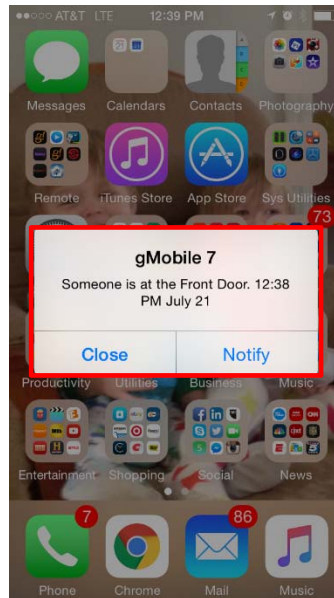
**Note:** The Commands row executes the Push Message to the selected Interface Device when the Event is triggered. Interface Devices shown may differ.

18. Select **Test Command** to verify that the device is receiving the Push Message.

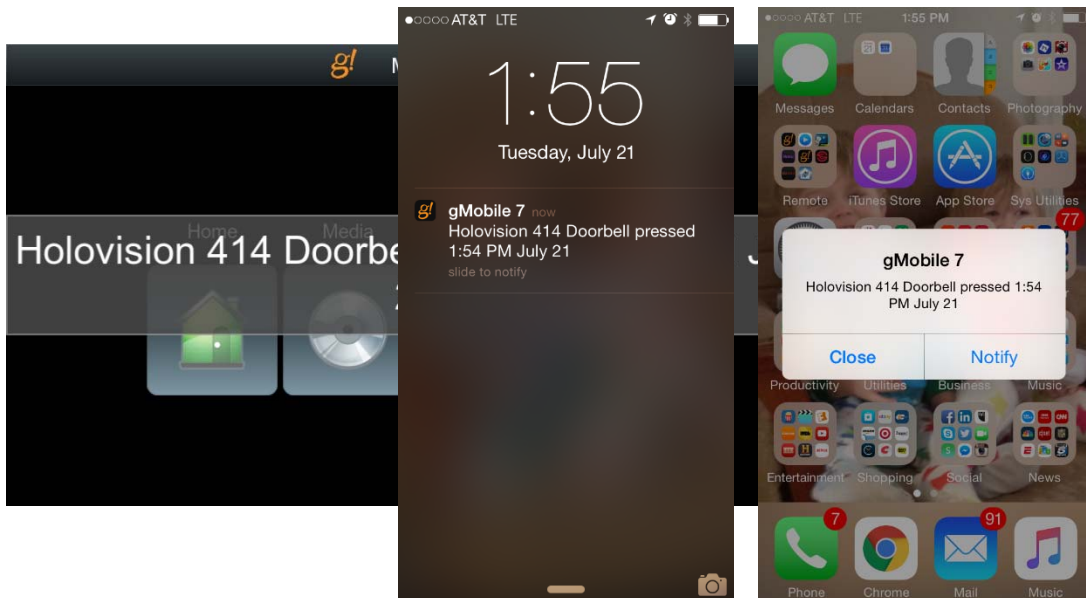


**Note:** Press the physical button on the door station to trigger the Event Map for confirmation that the Event Map is operating correctly.

19. Verify the Push Message on the Interface Device being tested.



20. Repeat steps 1 – 19 for each additional Door Station Push Message Events.



**Note:** Push Notifications may be sent to compatible Mobile devices, PC devices, ELAN gTP7 Touch Panels, and ELAN gTP4 Touch Panels.



## Notes:

[illegible]

## Notes:

This image shows a full page of blank, lined paper. It features approximately 28 horizontal black lines spaced evenly across the page, typical of notebook paper. The lines are thin and extend from the left edge to the right edge. There are no margins, text, or other markings on the page.

# Lesson 5

## Door Stations: g!Viewer



### Overview

This lesson provides information on how to connect and enable Intercom door stations.

In this lesson you will:

- Become familiar with door station operation
- Learn how to answer a door station call request
- Learn how to monitor a door station

### Requirements

- g! system controller and g!Tools.
- Compatible door station

# Door Stations in the g!Viewer

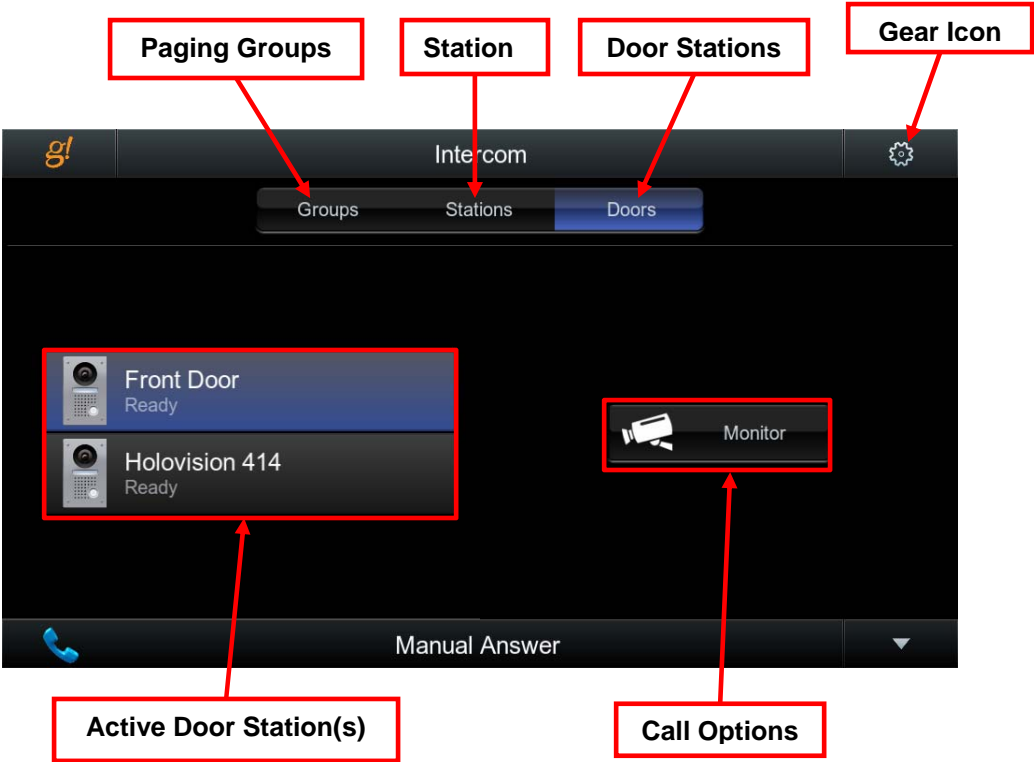
*Overview* Each point-to-point intercom station is accessible using the g!Viewer. The g!Viewer may be accessed from an ELAN touch panel, mobile device, PC, or MAC making almost any g! compatible device an intercom station!

Security is important and one of the features of the ELAN Intercom system is the ability to communicate and see who is at an entry/exit point. The ELAN Intercom is compatible with many SIP-enabled door stations and some of them do not have built-in video cameras. ELAN's Video Linking feature allows you to link an IP camera's video to a compatible door station so you can see who is there.

As well as video, ELAN Intercom allows for monitoring door stations so you can keep an eye, and ear, on the kids playing in the front yard, or be ready for your guests as they arrive to the party.

g! Intercom Door Station Terminology Quick Reference	
Intercom Stations	A network device that can receive and initiate one-way, or two-way, audio and/or video calls.
	<b>Note:</b> Stations include compatible 3 <sup>rd</sup> party devices running the ELAN g!Viewer software or App. Video calls are dependent on the hardware being used.
Point-To-Point Calls	Two-way audio and/or video calls between compatible intercom stations
Point-To-Group Calls	Two-way audio and/or video calls between groups of compatible intercom stations
Door Station	SIP-enabled devices used to initiate and receive two-way audio and/or video calls from entry points
Door Station Monitoring	Monitor SIP-Enabled door stations from any intercom compatible device running the g! software or g! Viewer.
Door Station Dial Plans	Custom two-tiered dial out instructions in response to a door station button press based on system mode.
Configurable Tones	Select from a list of pre-loaded tones for page notifications, and door chimes, to customize the user experience.

*Navigating the g! Intercom* When a compatible door station is added the ELAN Intercom the Door Stations button appears. The Door Stations page allows you to view available door stations and monitor each one's audio and video. Vide



g! Intercom Door Station Page Terminology Quick Reference	
Door Stations	Displays the available door stations.
Stations	Displays the available intercom stations.
Groups	Displays available groups of intercom stations for paging.
Gear Icon	Settings page access for configuring Paging Groups and setting security code access.
Active Stations	Available door stations. Selected station is blue.
Call Options	Available call options for the selected door station.
Monitor	Supervising audio and video activity at a specific door station.

# Exercise 1: Answering a Door Station Call

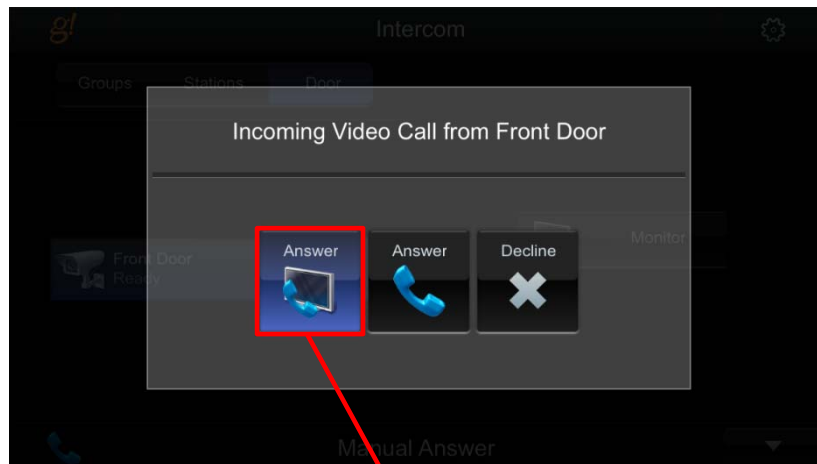
*Overview* Exercise 1 demonstrates how to answer a point-to-point call initiated by a compatible door station on an ELAN gTP7, 7" touch panel.

*How-to* Answer a point-to-point door station call

1. When a doorbell button is pressed on a compatible door station being used in a project a point-to-group call is initiated. Press the **doorbell** button on the front of a compatible door station to begin.



2. From an intercom station receiving the door station call request, select the **Answer Type** to begin the two-way audio and/or one-way video call.



Quick Reference: Answer Types	
Answer Video Call	Begins a point-to-point audio and video call request. Requires the door station supports use of video and audio for intercom. The video is one-way to the intercom station.
Answer Audio Call	Begins a point-to-point audio only call request.
Decline	Declines the door station's point-to-group call request.

3. Select **End** to end the point-to-point video call.



**Note:** During the call the Microphone may be disabled using the “Mic is On” button.

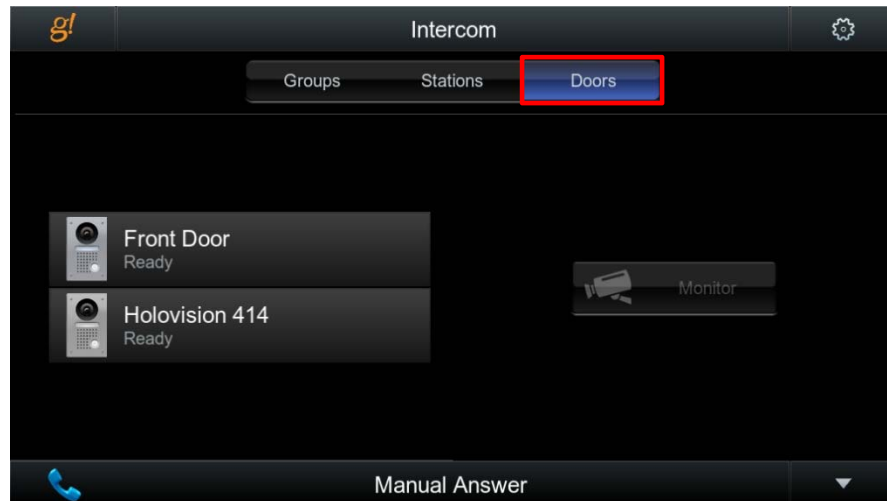
## Exercise 2: Monitoring a Door Station

*Overview* Door stations are a great convenience for communicating with people at entry/exit points and provide a higher level of security. ELAN Intercom compatible door stations also offer the ability to monitor audio and video at a specific door station location to ensure that the kids are fine while you run inside, or to see your guests arrive for the big night.

Exercise 2 shows how to begin monitoring a compatible door station in the g!Viewer.

*How-to* Monitor a door station

1. Navigate to the Intercom app and select the **Door Stations** tab.

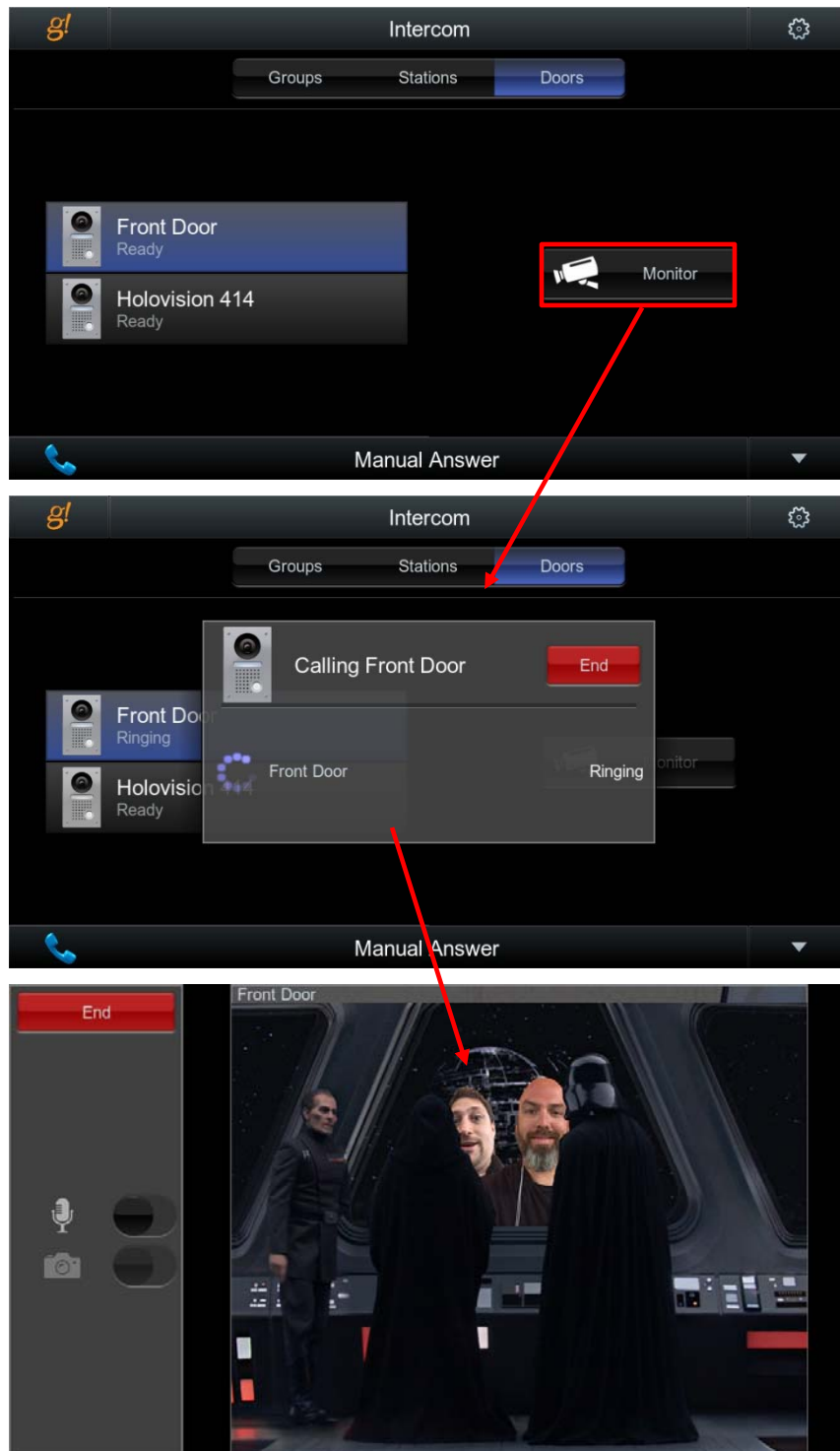


2. Select the **desired door station** in the g!Viewer. *This step uses the Front Door station.*





3. Select the **Monitor** button to begin connecting to the selected door station.



**Note:** The intercom stations' microphone is automatically turned off. The microphone may be turned on at any time to initiate a two-way audio call with the door station.

4. Select **End** to end the point-to-point monitor call.



5. Repeat steps 1-4 to monitor additional door stations.

**Note:** Some door stations do not have built-in video cameras. Video Linking maybe used to link a separate IP camera's video stream to a door station. For more information see Lesson 4: Door Stations, Exercise 3: Assigning Video.

## Notes:

[illegible]

## Notes:

[illegible]

# Lesson 6

## Intercom Global Settings



### Overview

This lesson provides information on how to setup Global Intercom Settings using the g!Viewer.

In this lesson you will:

- Become familiar with the Global Intercom Settings options in the g!Viewer
- Learn how to setup Media Zone Paging
- Learn how to setup Intercom Sound
- Learn how to setup a Door Bell
- Learn how to setup a Door Station Dial Plan
- Learn how to assign a Dial Plan

### Requirements

- g! system controller and g!Tools.

# About g! Intercom Global Settings

## Overview

The g! Intercom Global Settings let you assign groups of intercom stations for making point-to-group page announcements from compatible intercom stations. Intercom stations include ELAN gTP7, ELAN gTP4, g1 Audio Output, Windows based PC viewers, MAC based PC viewers, iOS devices, Android devices, and compatible SIP-enabled 3<sup>rd</sup> party door stations. The ELAN g! Intercom system will enable communication with a compatible SIP-based door stations and any other configured compatible stations, whether in the home or in a remote location.

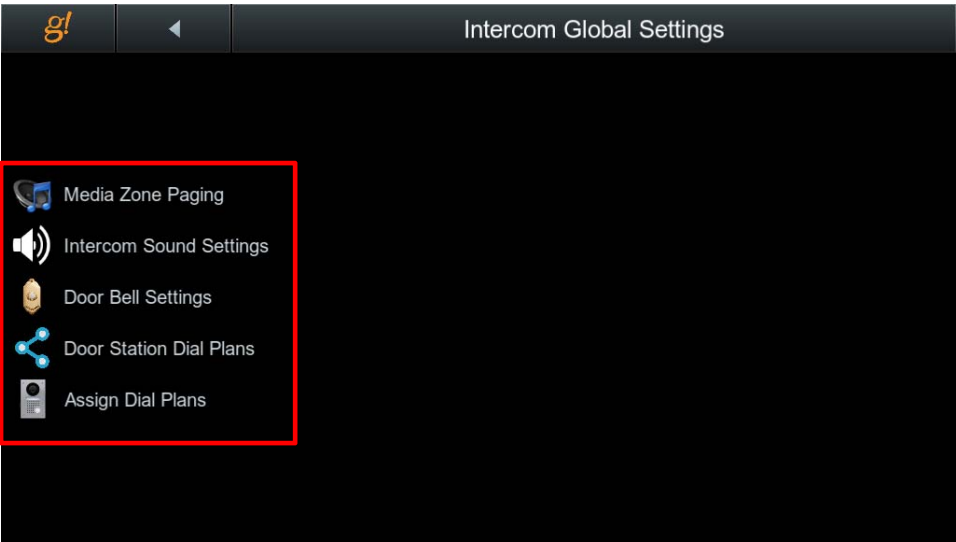
The ELAN g! Intercom settings are easily set up, and edited, in the g!Viewer allowing for multiple application uses.

g! Intercom Terminology Quick Reference	
Intercom Stations	A network device that can receive and initiate one-way, or two-way, audio and/or video calls.
	<b>Note:</b> Stations include compatible 3 <sup>rd</sup> party devices running the ELAN g!Viewer software or App. Video calls are dependent on the hardware being used.
Point-To-Point Calls	Two-way audio and/or video calls between compatible intercom stations
Point-To-Group Calls	Two-way audio and/or video calls between groups of compatible intercom stations
Door Station	SIP-enabled devices used to initiate and receive two-way audio and/or video calls from entry points
Door Station Dial Plans	Custom two-tiered dial out instructions in response to a door station button press based on system mode.
Configurable Tones	Select from a list of pre-loaded tones for page notifications, and door chimes, to customize the user experience.
Audio Zone Integration	Target an Audio Zone for doorbell and paging announcements over the audio zone speakers

*Intercom  
Settings*

The g! Intercom Global Settings main page allows for selecting Configure Groups or Set Security Code settings pages.

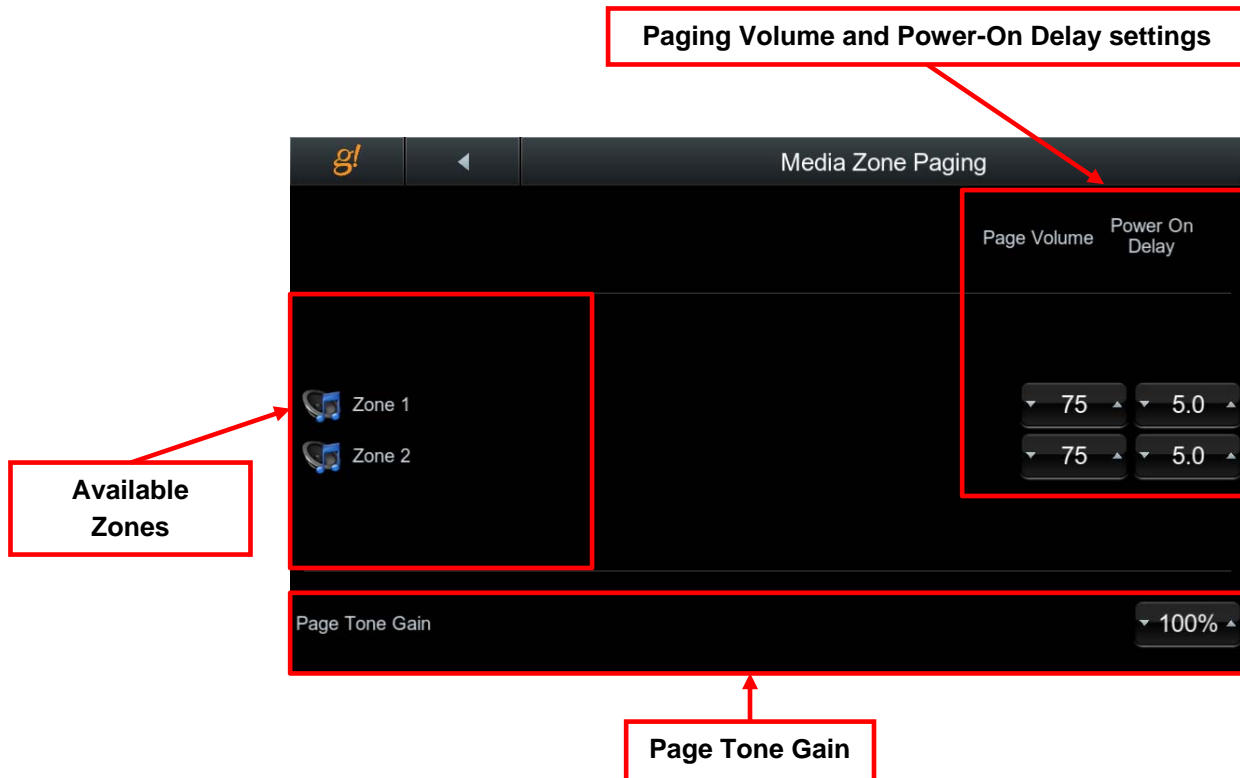
**Setting Options**



g! Intercom Global Settings Main Page Terminology Quick Reference	
Media Zone Paging	Allows for specifying Page Volume and Power-On Delay for each media zone in the system. Requires a g1's analog audio output be connected to an input on the audio zone controller.
Intercom Sound Settings	Sets the sounds used by the intercom station for incoming calls, incoming pages, accepting a call, and declining a call.
Door Bell Settings	Add, delete, or rename doorbells. Up to 4 different doorbell buttons are supported.
Door Station Dial Plans	Add, delete, or rename dial plans. ELAN g! supports up to 10 dial plans.
Assign Dial Plans	User assignment of dial plans to each door station for each available system mode.

*Media Zone Paging*

The Media Zone Paging settings allow for specifying the page volume level in each zone. Page Volume feature requires the use of a g1 in extender mode. The Power-On Delay may also be adjusted per zone to allow the signal to be played thru the zone's speakers. The Page Tone Gain adjustment is used to reduce the volume of the page tone that is played when a page is initiated.

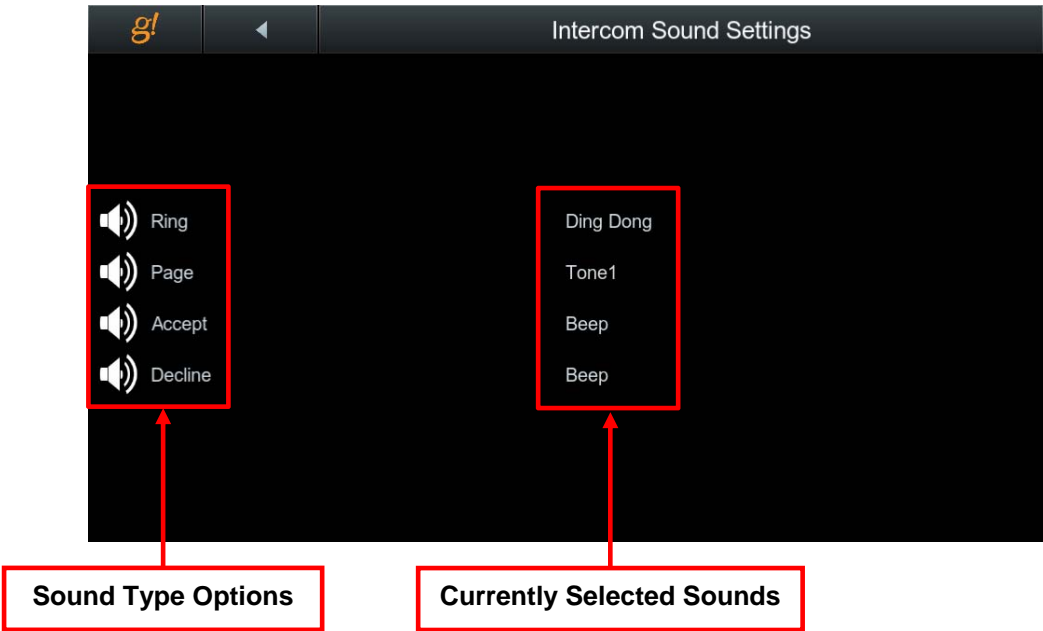


g! Intercom Media Zone Paging Terminology Quick Reference	
Available Zones	List of available media zones in the system.
Paging Volume	Sets the paging volume level played on the speakers per zone from 0% to 100% in increments of 5.
Power-On Delay	Set the delay a zone will turn on when a page is initiated from .5 seconds to 15 seconds in .5 second increments.
Page Tone Gain	Volume level adjustment from 0-100% in 5% increments for the page tone generated when a page is initiated.



*Intercom  
Sound  
Settings*

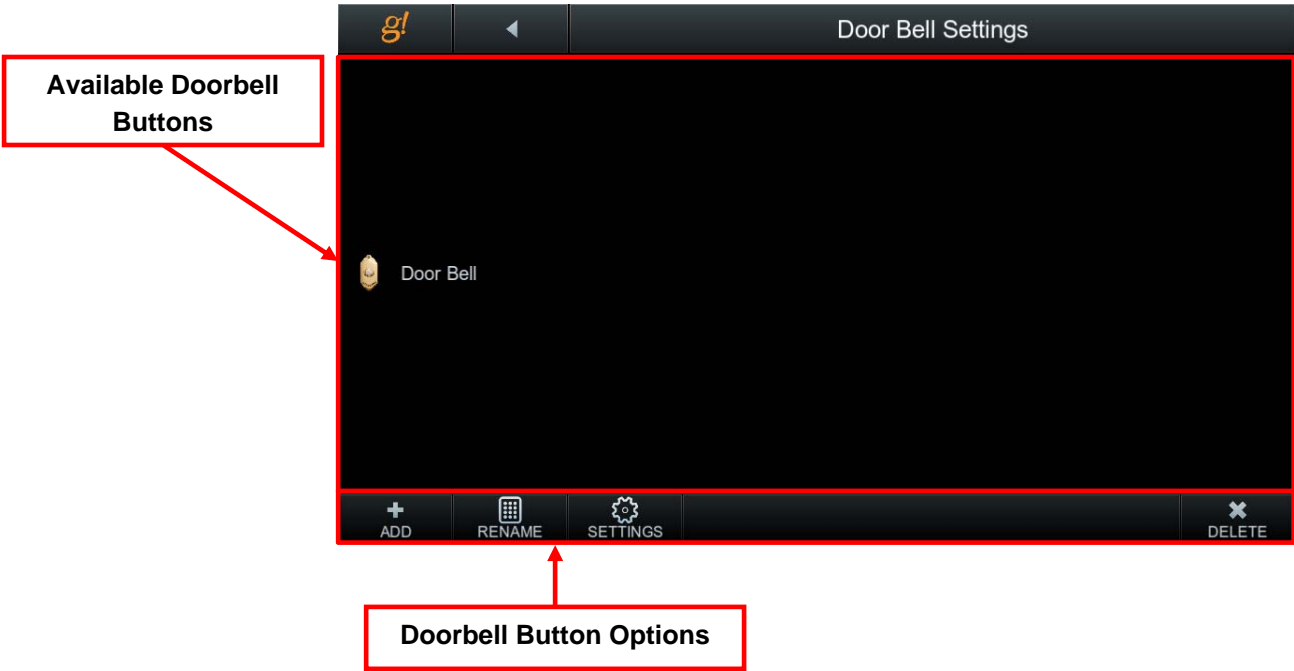
The Intercom Sound Settings page allows for changing the sound played by the intercom stations when a call request is received, a page is received, a call/page is accepted, and a call/page is declined.



g! Intercom Sound Settings Page Terminology Quick Reference	
Ring	Set the sound played by the intercom stations when a point-to-point call request is received.
Page	Set the sound played by the intercom stations when a point-to-group call request is received.
Accept	Set the sound played by the intercom stations when a call, or page, request is accepted.
Decline	Set the sound played by the intercom stations when a call, or page, request is delined.

*Door Bell Settings*

The Door Bell Settings page allows for adding, renaming, editing, and deleting a system doorbell button. Each doorbell added requires an open Sense Trigger Input on the back of the g! System Controller and currently the system will support up to unique doorbell buttons. Each doorbell button may be assigned its own sound to easily associate which doorbell button was pressed in larger installs. The doorbell button may also be assigned to one, or multiple, intercom stations to ensure the doorbell button pressed has its chime played in the areas of the project where the door is located.

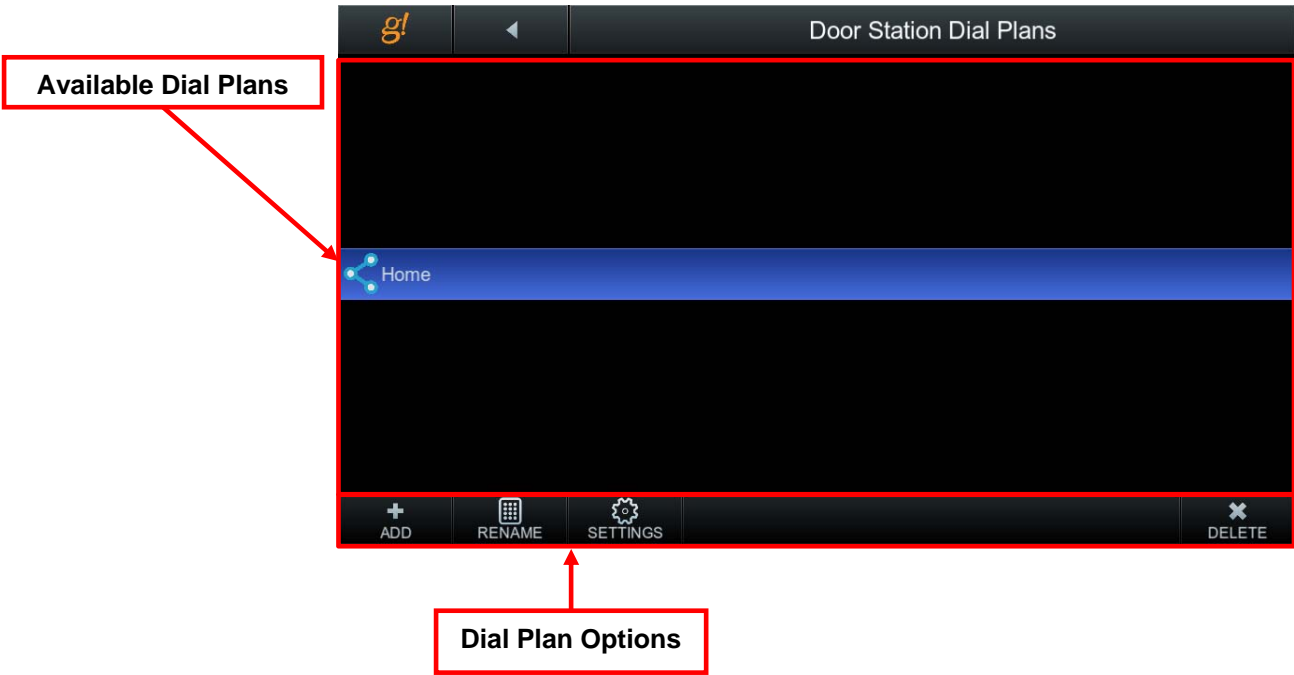


g! Intercom Door Bell Settings Page Terminology Quick Reference	
Add	Adds a doorbell button.
Rename	Renames the selected doorbell button.
Settings	Displays available settings for the selected doorbell button.
Delete	Removes the doorbell buttons from the ELAN system.

*Door  
Station Dial  
Plans*

The ELAN Intercom includes a Dial Plan feature. A Dial Plan is initiated after a door station button has been pressed. Each dial plan consists of 2 tiers of intercom stations, the first tier intercom stations are called first when a door station button is pressed. After a delay executed, the second tier of intercom stations are called. This convenient structure allows for have dial plans to call hardwired intercom stations first, followed by wireless intercom stations second.

The Door Station Dial Plan page is used to add, rename, edit, or delete a 2 tier dial out plan for when a door station button is pressed. Dial Plans are activated based off of the active ELAN System Mode and up to 10 Dial Plans may be created per ELAN Intercom system.



g! Intercom Door Station Dial Plans Page Terminology Quick Reference	
Add	Adds a Dial Plan.
Rename	Renames the selected Dial Plan.
Settings	Displays available settings for the selected Dial Plan.
Delete	Removes the selected Dial Plan from the ELAN system.

*Assign Dial Plans*

The Assign Dial Plans page allows for assigning the Door Station Dial Plans to each door stations and for each active system mode. Set a Dial Plan to contact the hardwired intercom stations first when a door station button is pressed and the System Mode Home is active. Then assign a second Dial Plan to contact the mobile intercom stations first when a door station button is pressed and the System Mode Away is active.

**System Mode Assignment**

**Available Door Stations**

g! Assign Dial Plans

System Mode Home

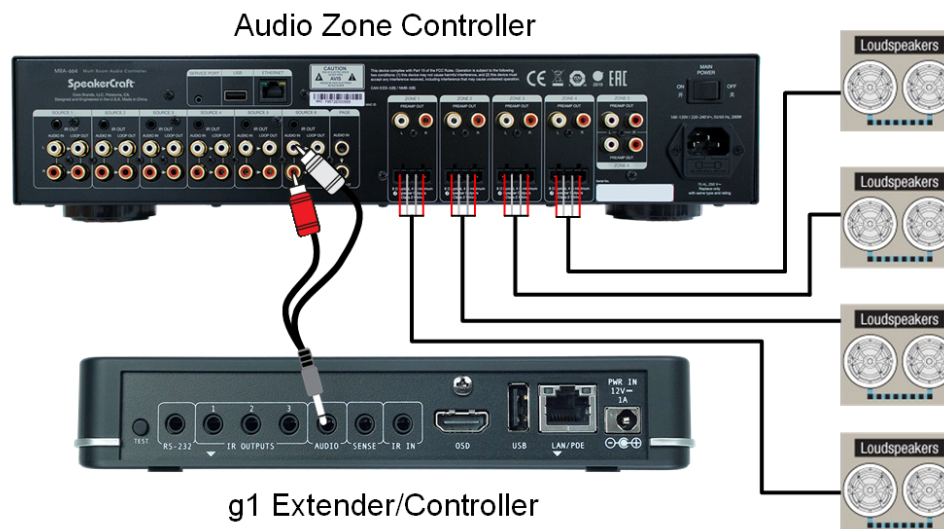
Front Door Home

g! Intercom Assign Dial Plans Page Terminology Quick Reference	
System Mode	Selects the system mode to associate with the door station Dial Plan.
Door Station	Each door station may have a Dial Plan assigned to it. The Dial Plan will be active when the associated system mode is active.

# Exercise 1: Media Zone Paging: Page Volume Setting

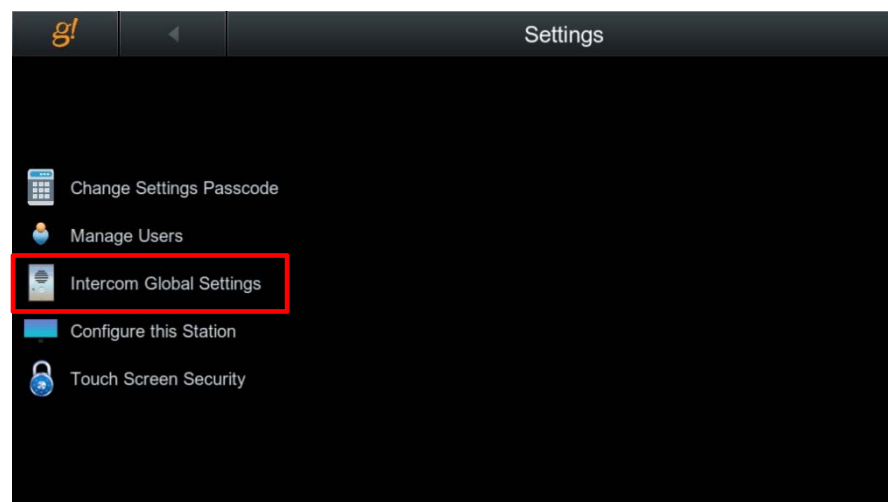
*Overview* Each audio/video, or media, zone in a system may have a volume level defined for playing intercom paging over the whole-house-audio system speakers. Exercise 1 demonstrates how to set the Page Volume for a zone from the g!Viewer.

**Note:** The Media Zone Paging features require the use of a g1 and an available source input on the audio zone controller. The g1 may be used to produce audio for paging information in Controller or Extender modes.



*How-to* Page Volume for a Media Zone

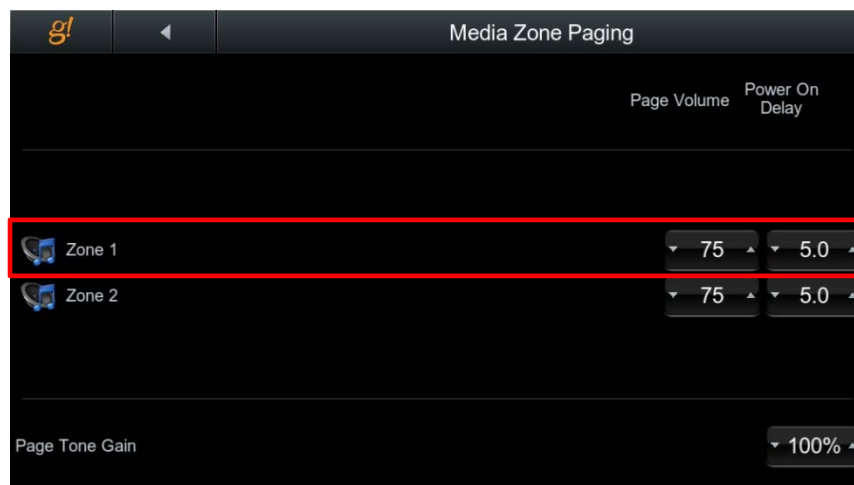
1. From the g! Settings Main Page, select the **Intercom Global Settings**.



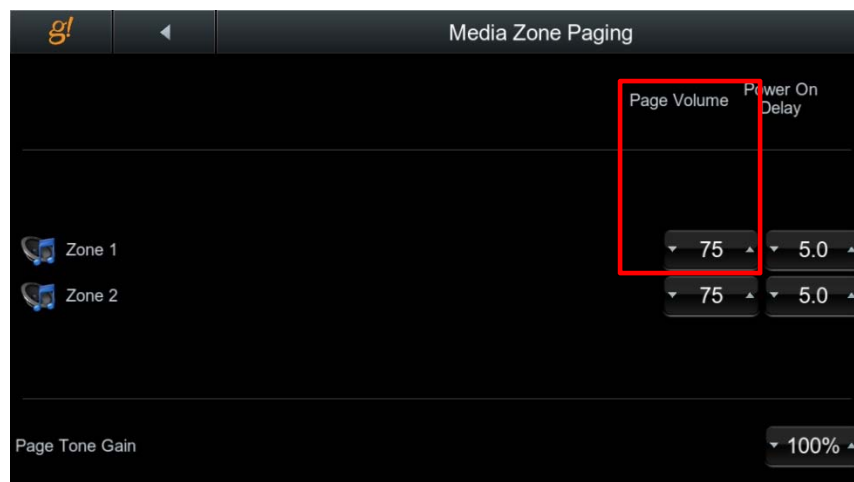
2. The Intercom Global Settings main page appears. Select **Media Zone Paging** to access the available media zones in the system.



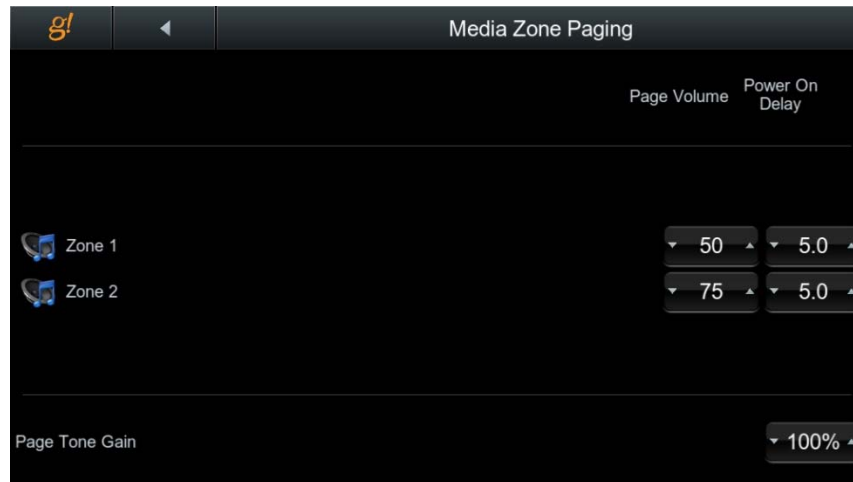
3. The Media Zone Paging page appears. Locate the **zone to adjust**. This exercise will use **Zone 1**.



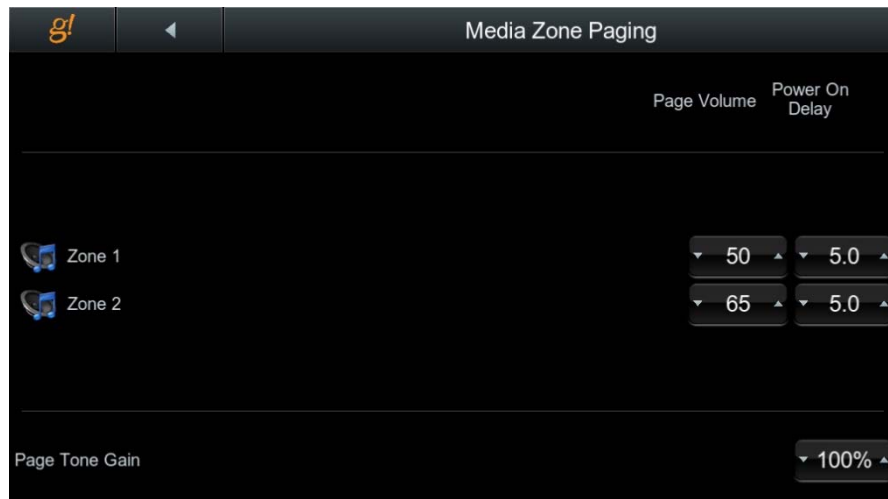
4. Locate the **Page Volume** column.



5. Use the **Up or Down buttons** to adjust the Page Volume from 0% to 100%. This exercise will **set** the Page Volume to **50%**.



6. Repeat steps 1-5 to **set** the Page Volume to **65%** for Zone 2.



7. Repeat steps 1-5 to set the Page Volume level for each additional media zone in a project.

## Exercise 2: Media Zone Paging: Power-On Delay

### Overview

The Power-On Delay adjusts the delay time executed before a media zone will power on. This setting allows for amplifiers in zone controllers to “power up” to allow the entire Page information to be played through the zone's speakers.

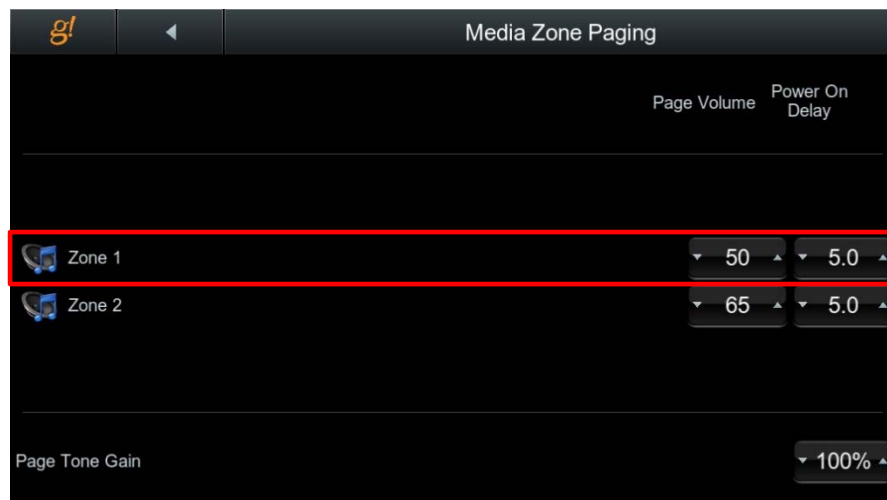
The Power-On Delay may be adjusted in half second increments from .5 seconds to 15 seconds.

This exercise will show you how to adjust the Power-On Delay.

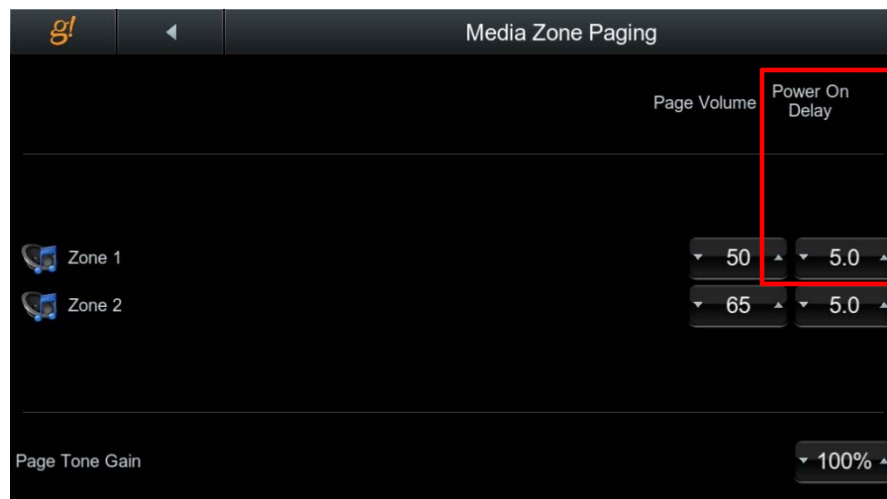
### How-to

Adjust the Power-On Delay

1. From the Media Zone Paging page, locate the **zone to adjust**. This exercise will use **Zone 1**.

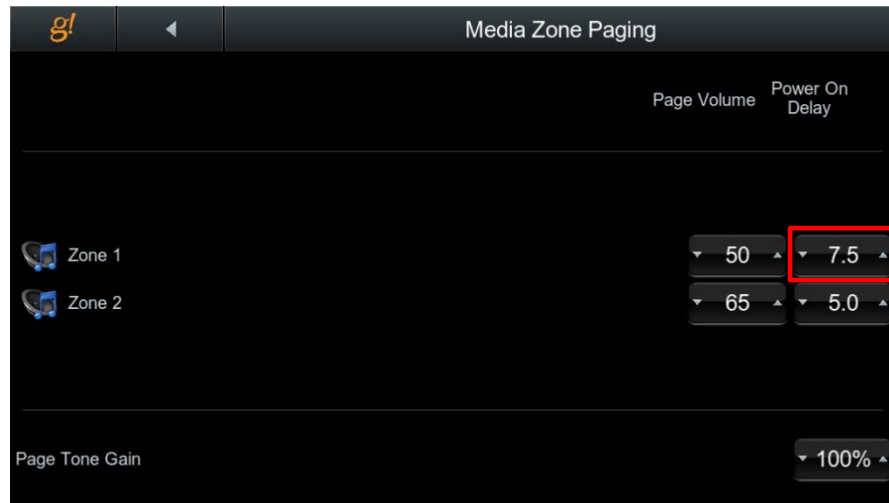


2. Locate the **Power-On Delay** column.





3. Use the **Up or Down buttons** to adjust the Power-On Delay. This exercise will **set** the Power-On Delay for Zone 1 to **7.5 seconds**.



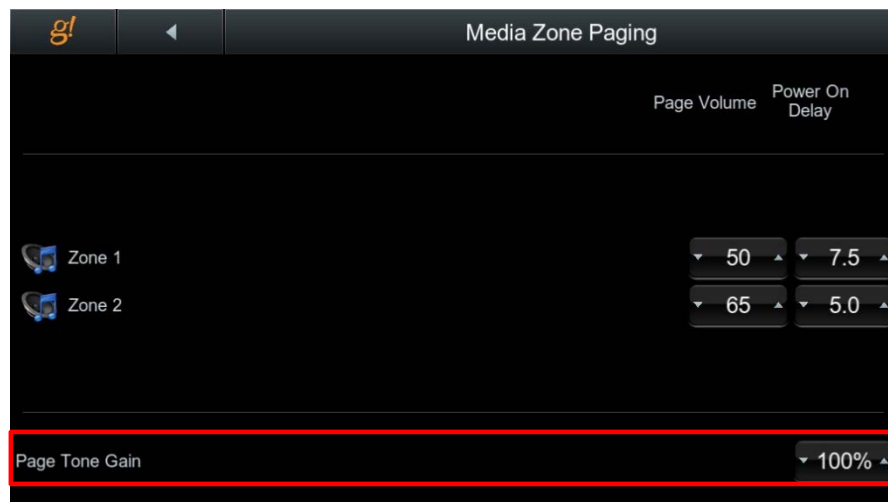
4. In necessary, repeat steps 1-3 to adjust the Power-On Delay for additional media zones.

## Exercise 3: Media Zone Paging: Page Tone Gain

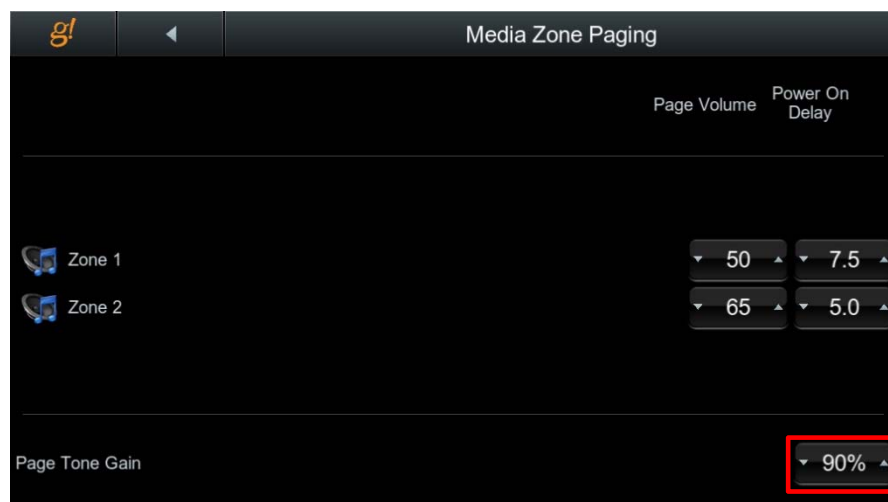
*Overview* The Page Tone Gain adjusts the relative volume of the page tone that is played when a page is initiated. This setting may be adjusted from 0 to 100% in 5% increments.

*How-to* Adjust the Page Tone Gain

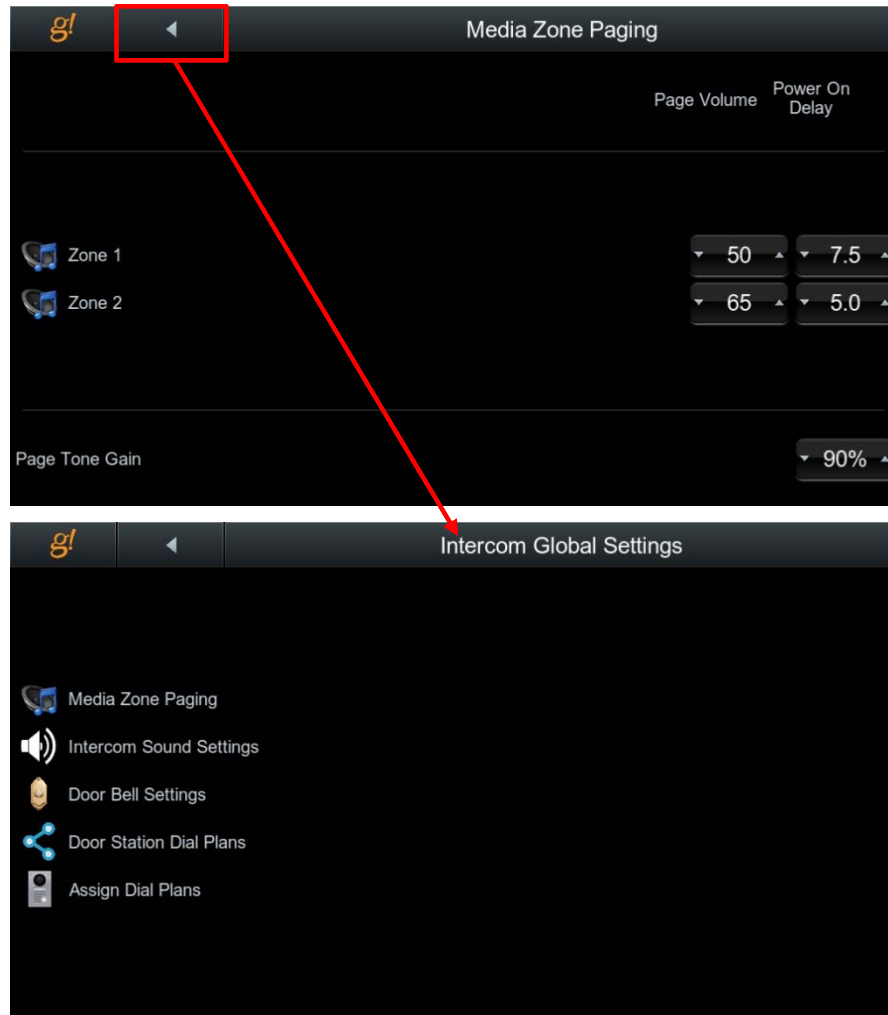
1. From the Media Zone Paging page, locate the **Page Tone Gain**.



2. Use the **Up or Down buttons** to adjust the Page Tone Gain. This exercise will **set** the Page Tone Gain to **90%**.



- When finished, select the **Back Arrow** to return to the Intercom Global Settings main page.



**Note:** Media Zone Paging requires the use of a g1 in extender mode and an available source input on the audio zone controller.

# Exercise 4: Intercom Sound Settings: Changing Tones on Intercom Stations

*Overview* Point-to-Point calls may have a tones assigned to them that will be played through the intercom stations' speakers when a call request, or page request, is received, when a call is accepted, and when a call, or page, is declined.

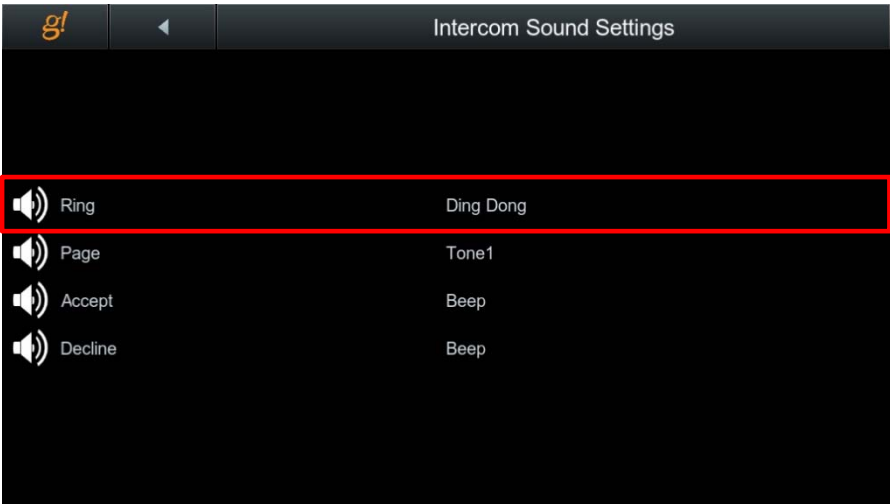
This exercise will demonstrate how to change the Ring tone for a point-to-point call.

*How-to* Change the Ring Tone

1. From the Intercom Global Settings main page, select **Intercom Sound Settings**.



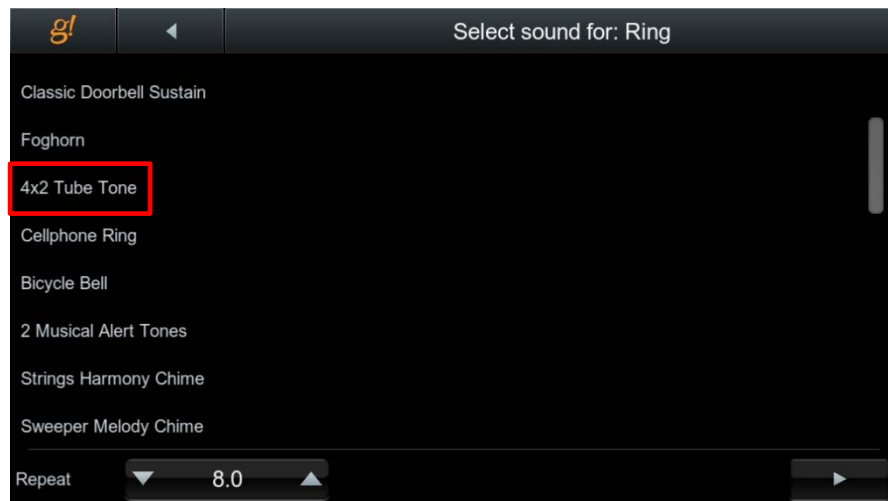
2. The *Intercom Sound Settings* page appears. Select Ring to change the tone used when a point-to-point call is requested.



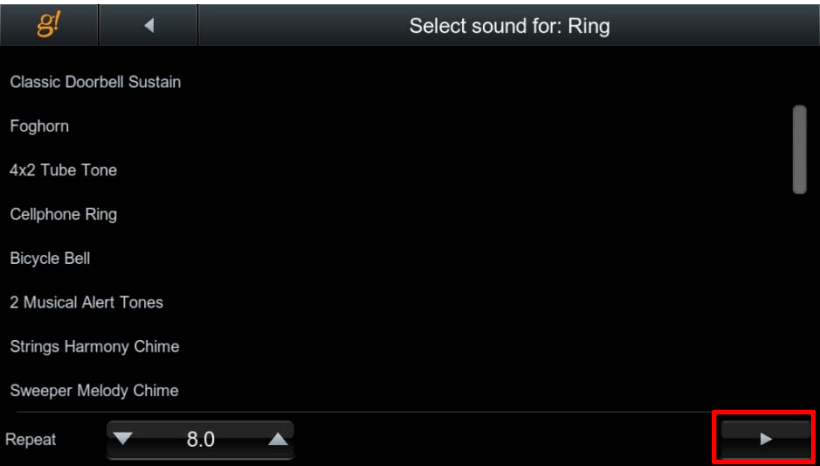
3. The *Select Sound For: Ring* page appears. Use the **scroll bar** to locate a ring tone.



4. Locate and select **4x2 Tube Tone**.

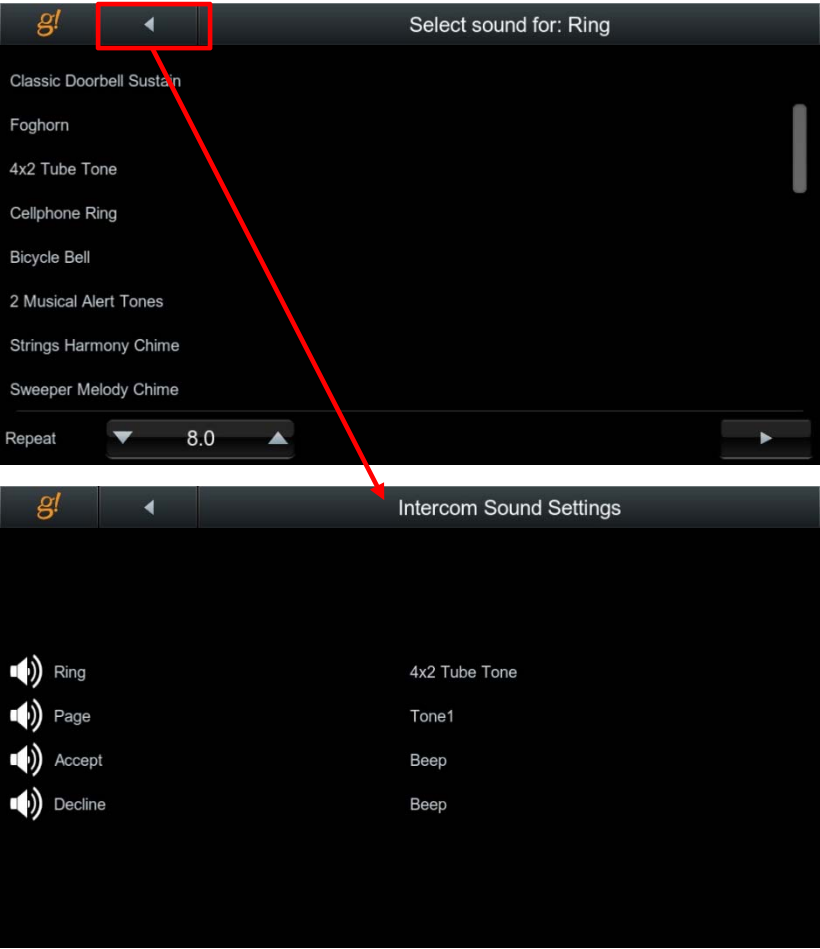


5. To preview the Tone, select the **Play button**.

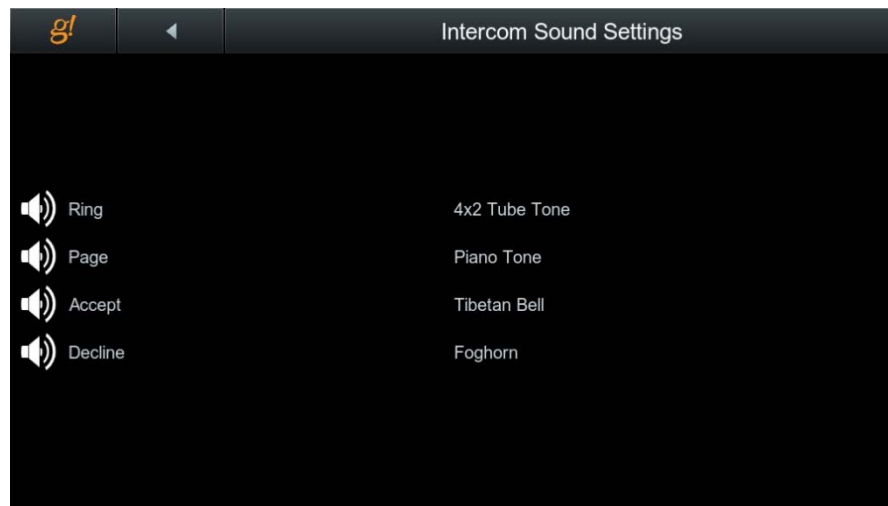


**Note:** If using a 3<sup>rd</sup> party device ensure the volume is turned up on the device in order to preview the sound.

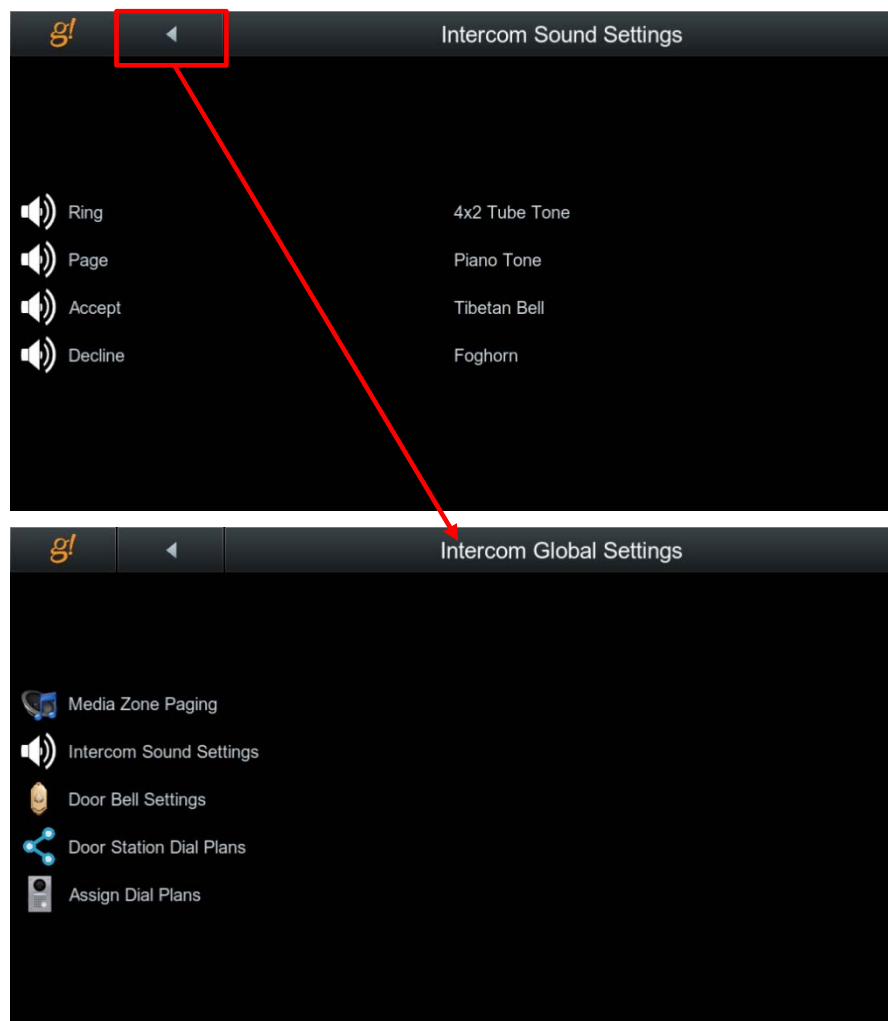
6. Once the desired tone is chosen, select the **Back Arrow** to return to the Intercom Sound Settings main page.



7. Repeat steps 1-6 to change the tone settings for Page, Accept, and Decline.



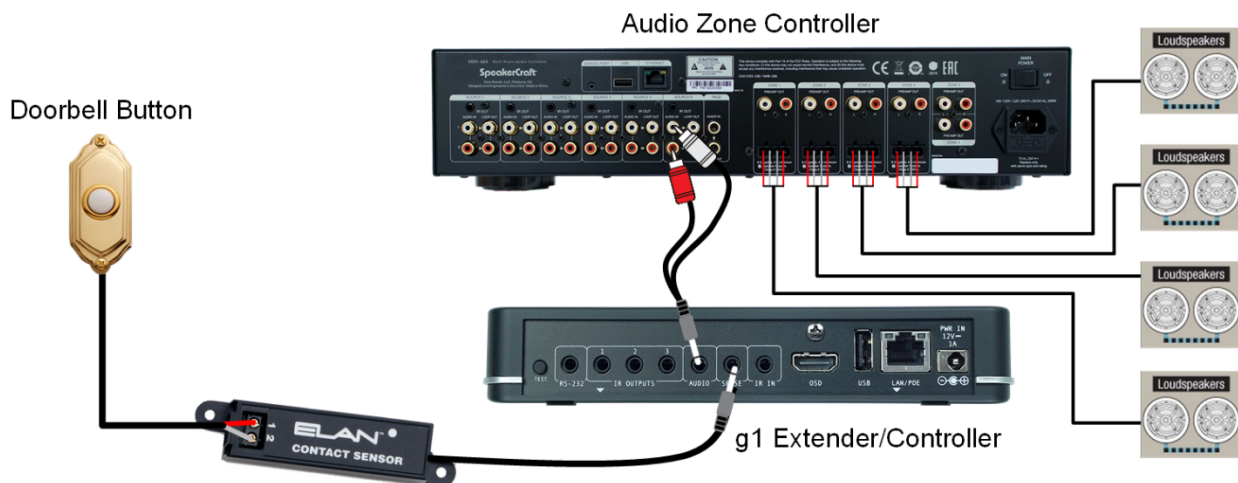
8. When finished, select the **Back Arrow** to return to the Intercom Global Settings main page.



## Exercise 5: Door Bell Settings

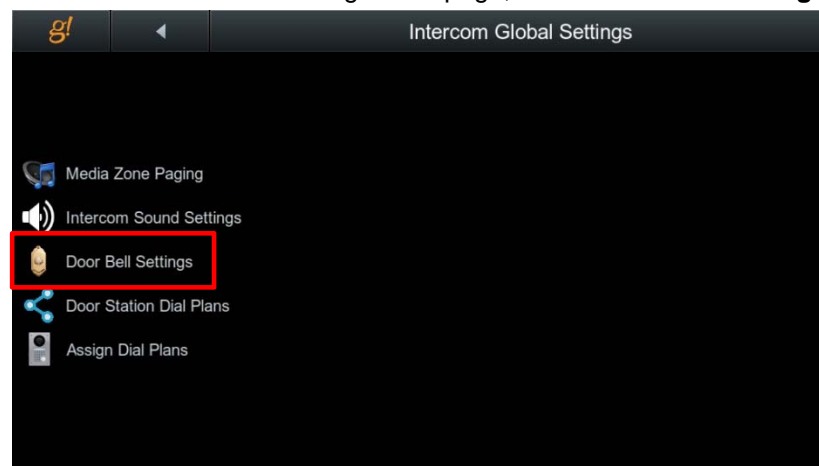
**Overview** Door Bell Settings allow for creating, editing, and/or renaming doorbell buttons in the ELAN Intercom system. Up to 4 doorbell buttons are supported with the ability to assign unique door chimes to each doorbell button. A doorbell is defined by the ELAN Sense Trigger Input on the g! System Controller it is physically associated too and therefore up to 4 doorbell buttons may be added per system. A gSC10 features 4 ELAN Sense Trigger Inputs while the g1 features 1 ELAN Sense Trigger Input.

This exercise will demonstrate how to setup a doorbell button.



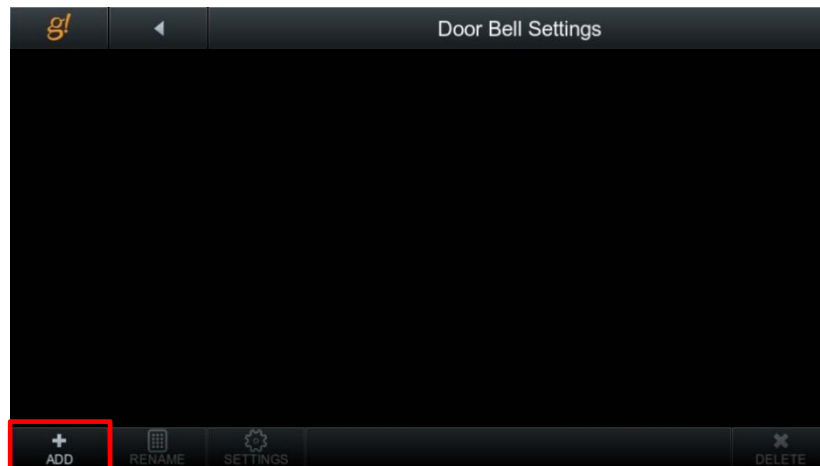
**How-to** Setup a doorbell button

1. From the Intercom Global Settings main page, select **Door Bell Settings**.

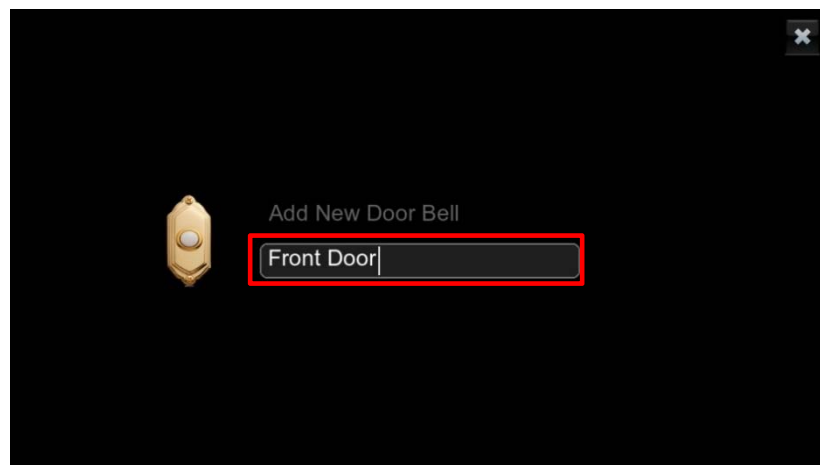




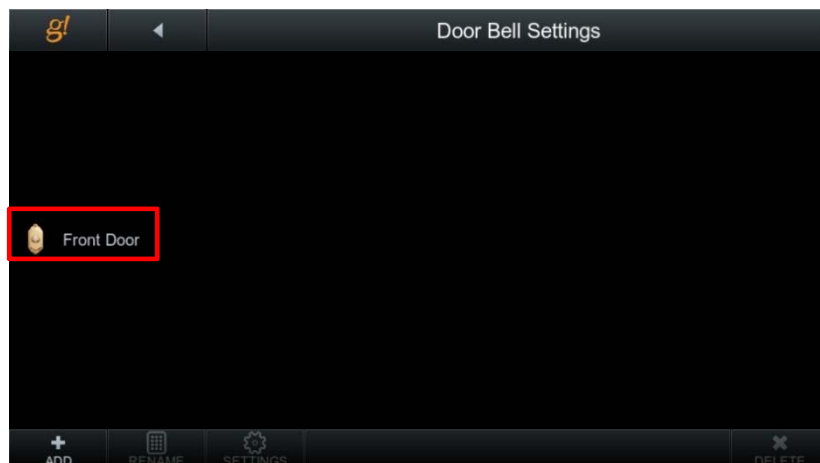
2. The *Door Bell Settings* page appears. Select **Add +** to begin adding a doorbell button to the system.



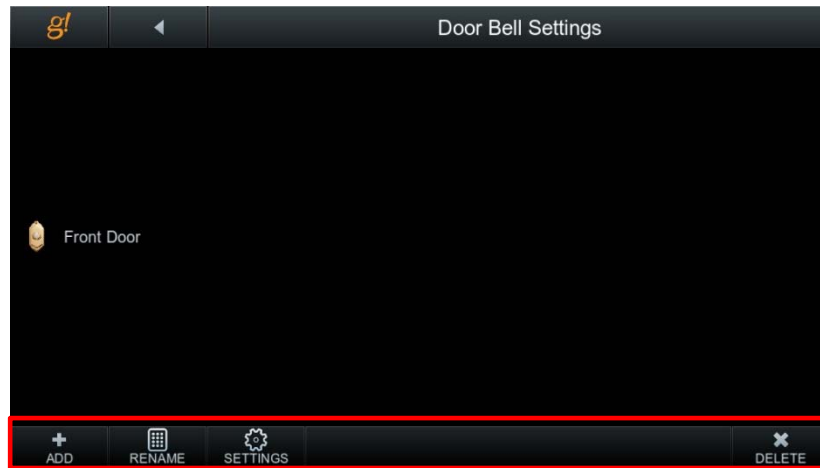
3. The *Add New Door Bell* window appears. Enter a **name** for the doorbell button. ELAN recommends using a name to easily associate the doorbell button with its location in the project. This step will use Front Door.



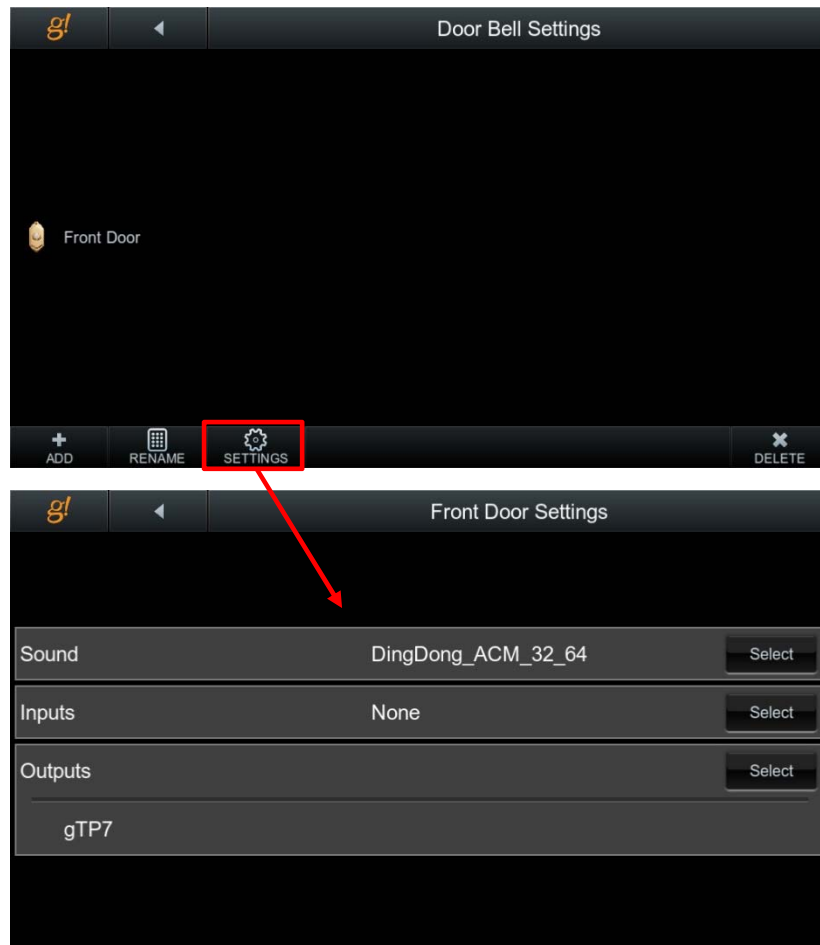
4. Once the name is correct press **Enter** to add the doorbell button.



5. Select the **Front Door** doorbell button to display available options.



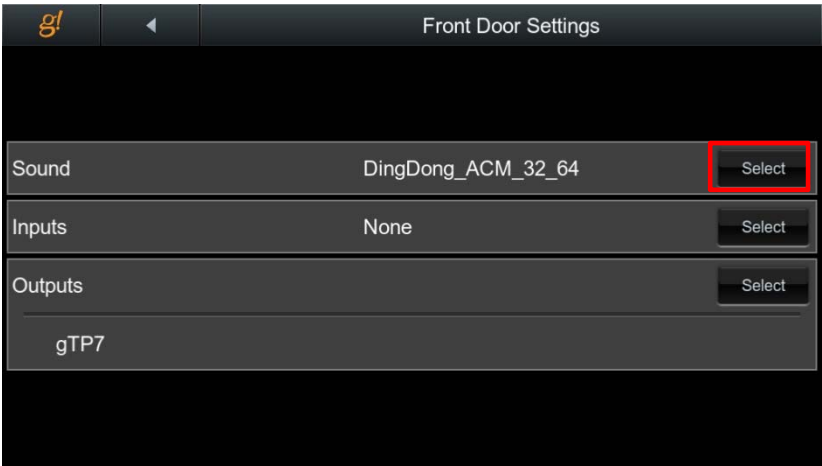
6. Select **Settings** to display the available settings for the newly added doorbell button.



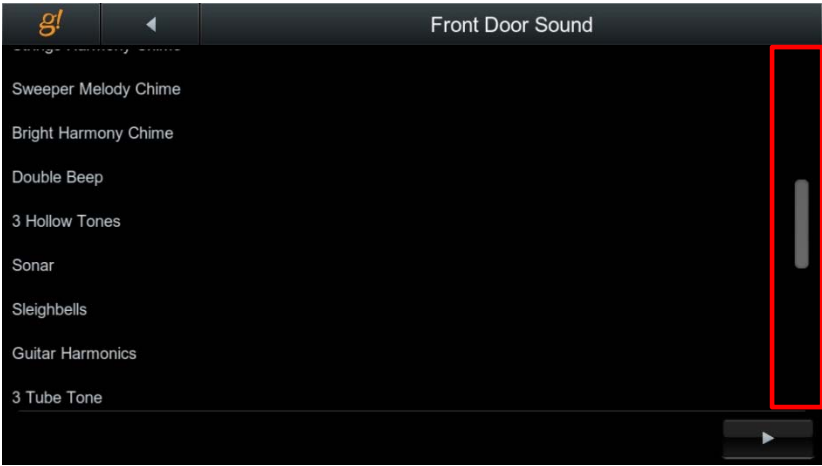
g! Intercom Door Station Dial Plans Page Terminology Quick Reference	
Sound	The tone played on the intercom station when the doorbell button is pressed.
Inputs	The Sense Trigger Input the ELAN Sense Sensor is connected to on the rear panel of the g! System Controller.
Outputs	The intercom station(s) and the media zone(s) speakers the door chime will be played through. The media zones require a g1 in extender mode and an available source input on the audio zone controller.

Doorbell  
Sound  
Settings

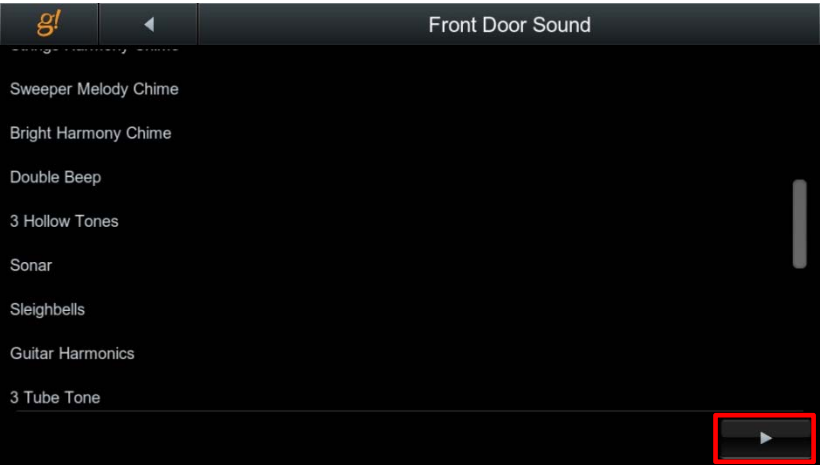
9. In the Sound field press **Select**.



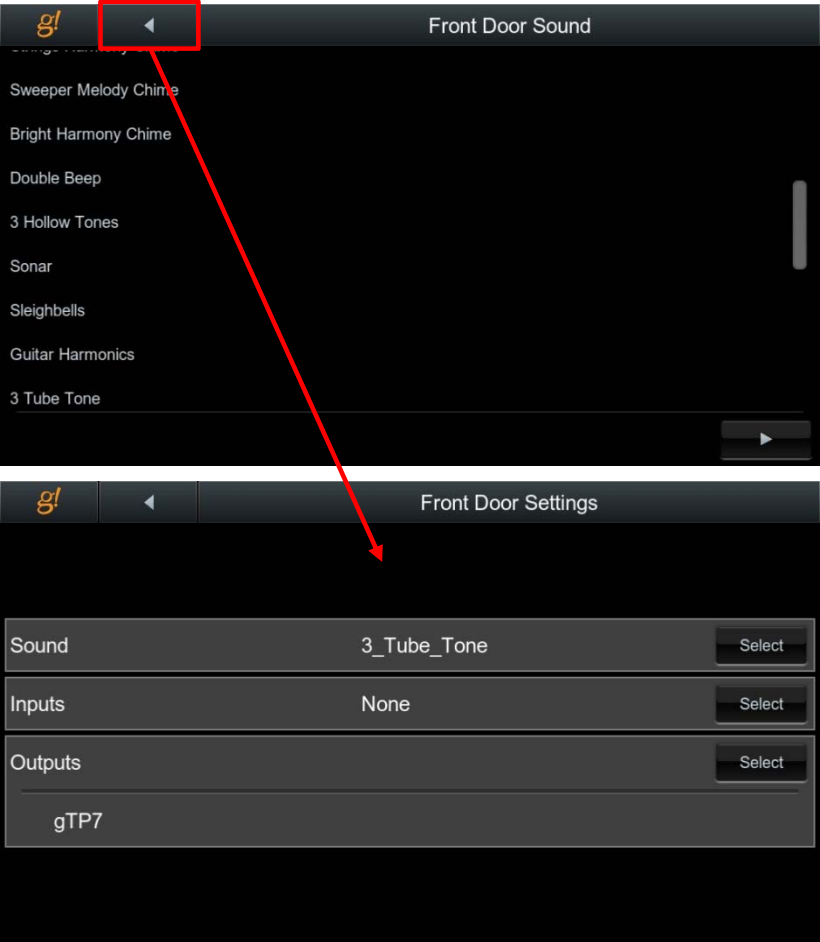
10. The *Front Door Sound* window appears. Use the scroll bar to select the **desired sound** to assign to the doorbell button press.



11. Use the **Play** button to confirm the desired sound.

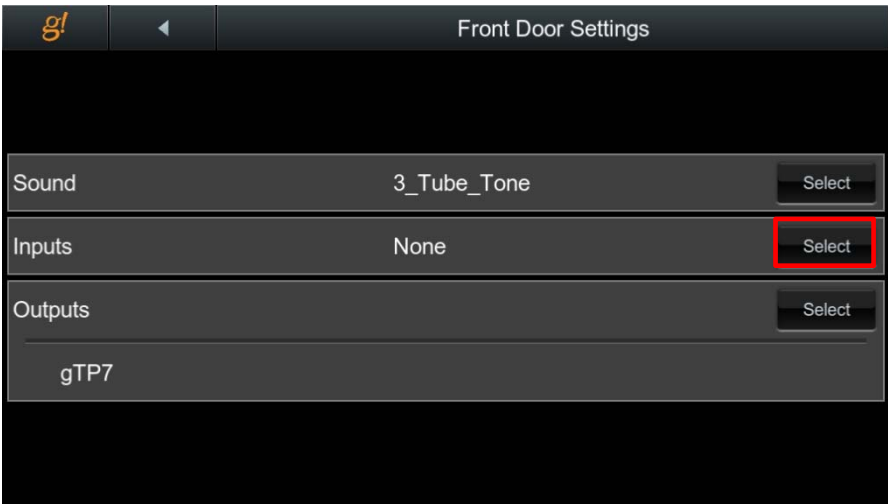


12. Once the sound has been confirmed, press the **Back Arrow** to return to the Front Door Settings page.

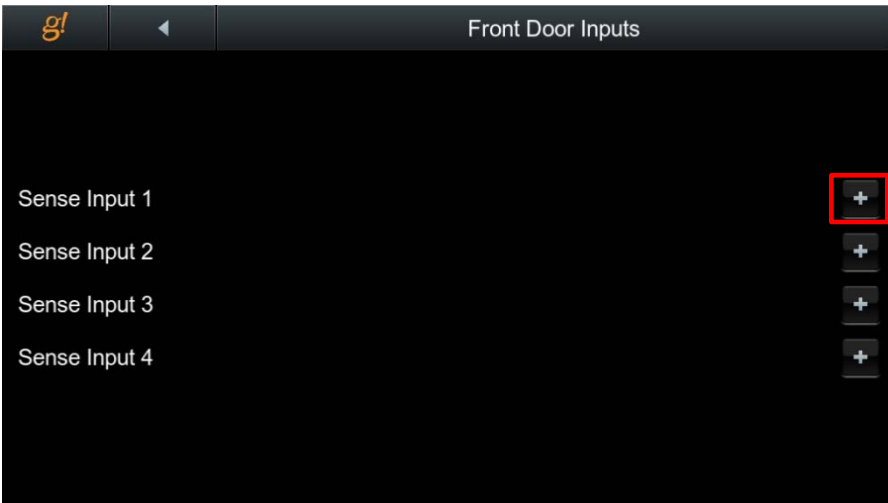


Doorbell  
Sense  
Input  
Setting

13. In the Inputs field press **Select**.

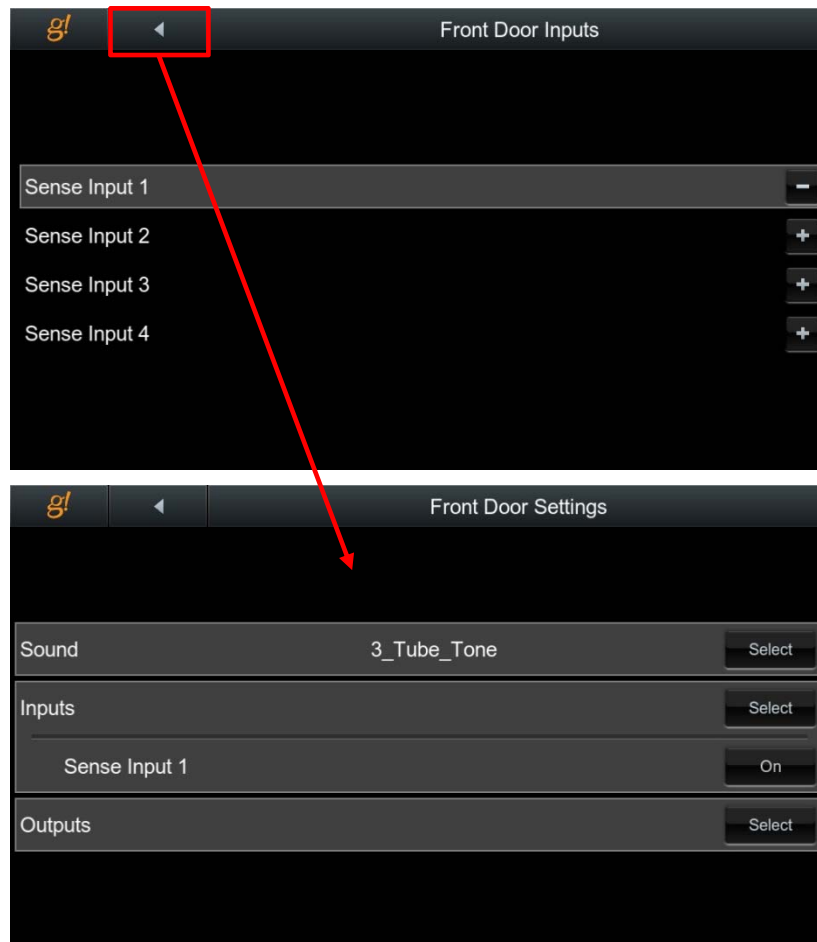


14. The *Front Door Inputs* window appears. Press the **+** (**Plus**) button to the right of the Sense Input the selected doorbell button is using. This exercise uses Sense Input 1.



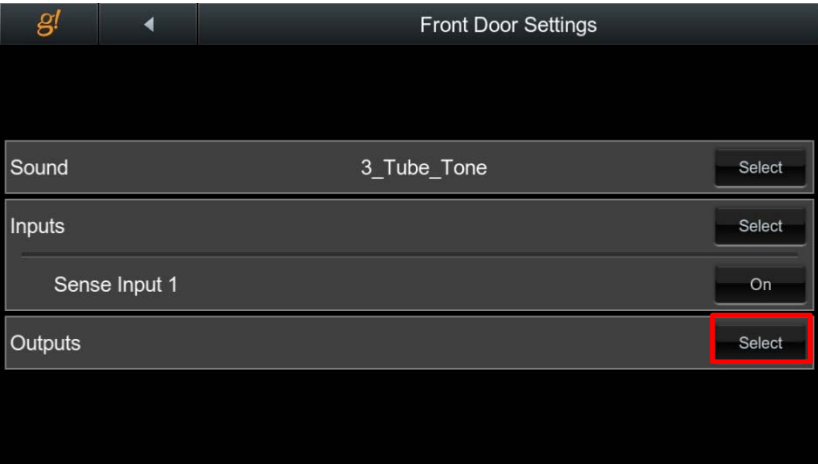
**Note:** For the door chime to initiate, select the Sense Input on the g! System Controller that the ELAN Sense Sensor, connected to the doorbell button, is physically connected too.

15. Once the correct Sense Input on the g! System Controller has been assigned to the doorbell button, press the **Back Arrow** to return to the Front Door Settings page.

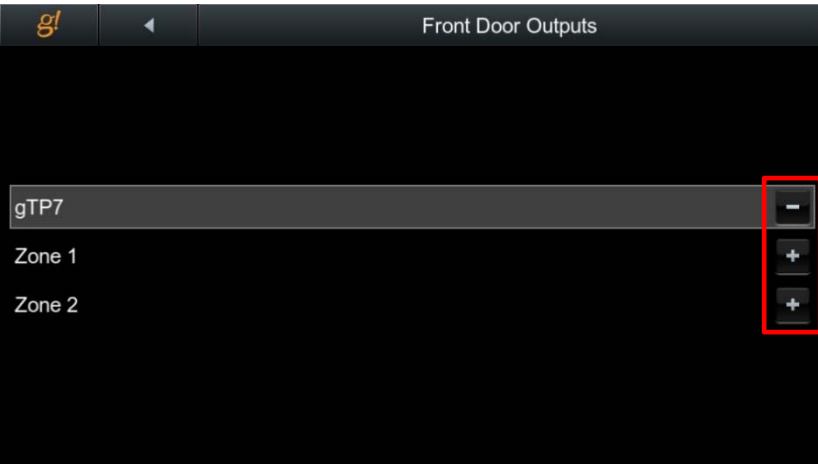


Doorbell  
Output  
Settings

16. In the Outputs field press **Select**.

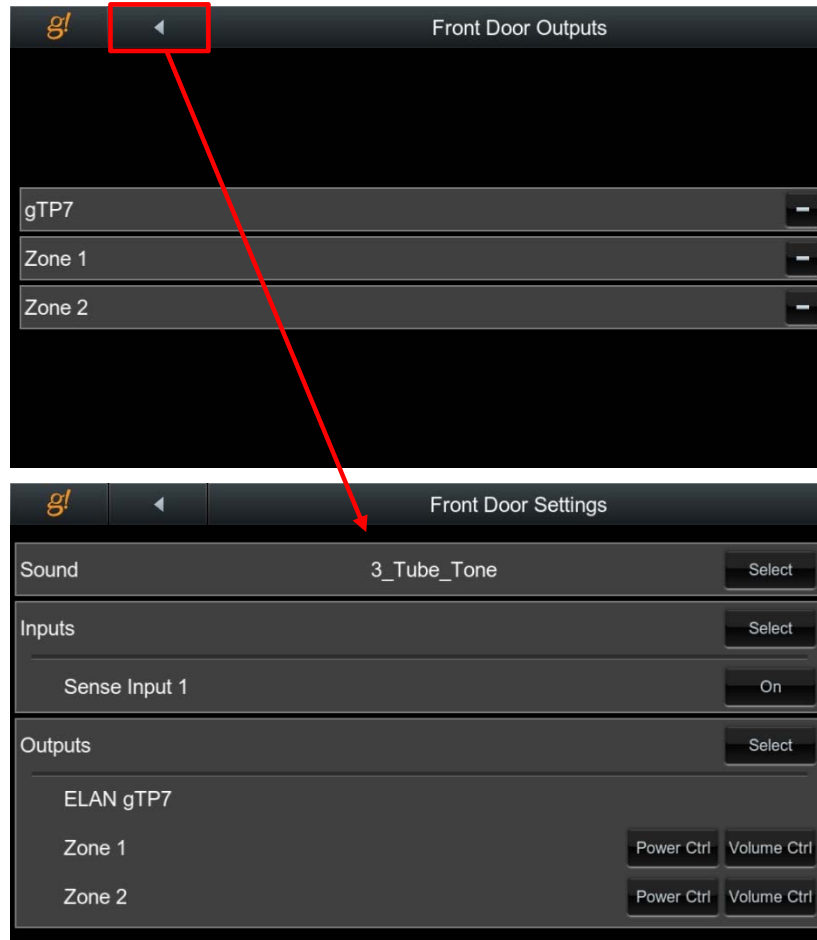


17. The *Front Door Outputs* window appears. Press the **+** (**Plus**) button to the right of each available Output to allow the doorbell sound set in steps 9-12 to play through the intercom station(s) and speakers in the available media zones.



**Note:** In order for the media zone speakers to play the doorbell sound selected a g1 in extender mode and an available source input on the audio zone controller are required.

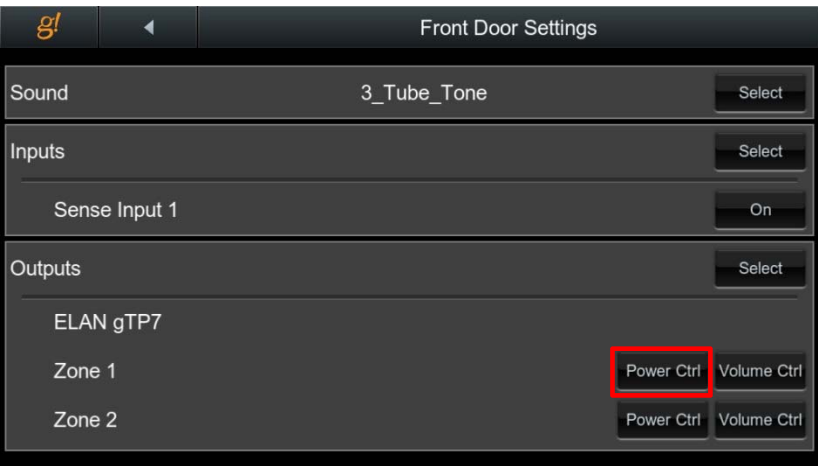
18. Once the correct Outputs have been assigned to the doorbell button, press the **Back Arrow** to return to the Front Door Settings page.



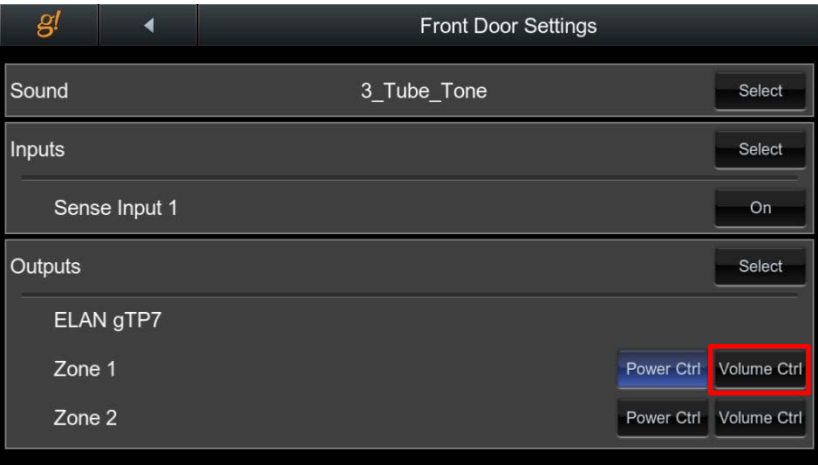


Media  
Zone  
Settings

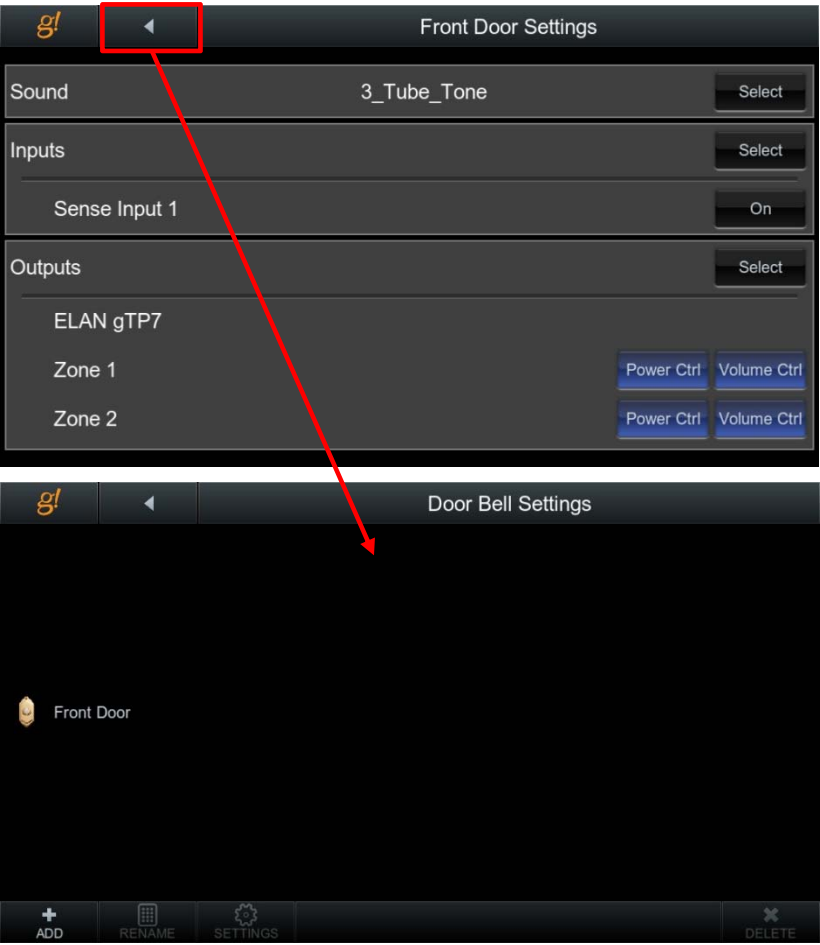
19. For each media zone where the doorbell sound is desired, select **Power Ctrl** to allow the ELAN g! System to control the zone on/off states when a doorbell button is pressed.



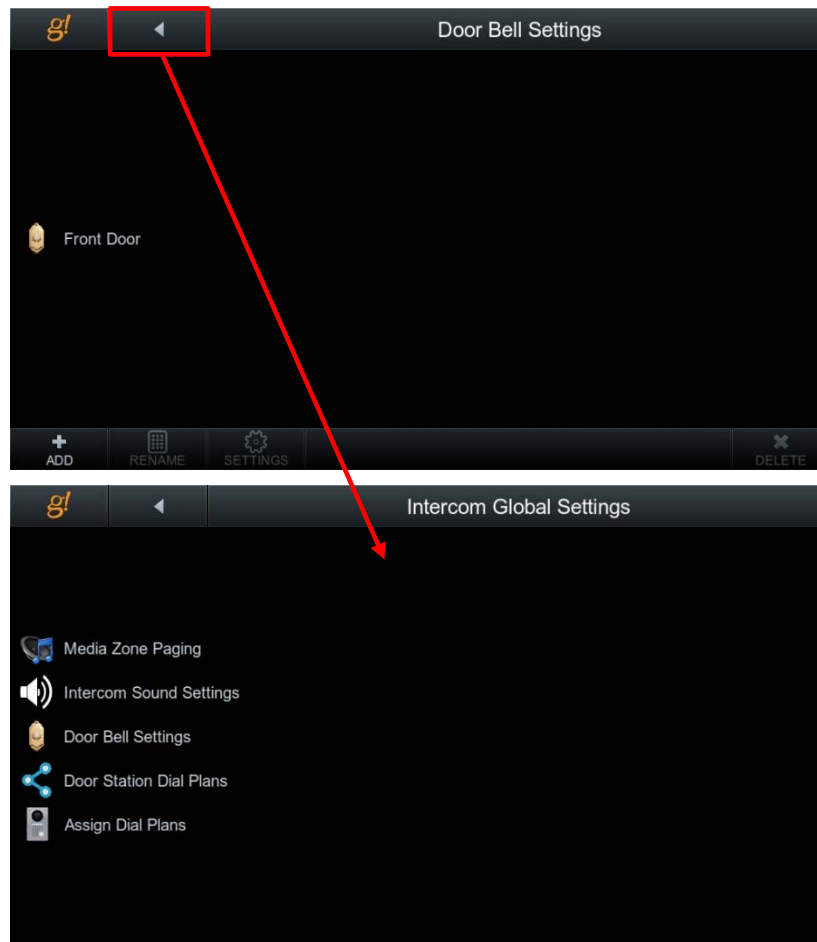
20. For each media zone where the doorbell sound is desired, select **Volume Ctrl** to allow the ELAN g! System to set the doorbell volume level as defined in exercise 1 of this lesson.



21. When finished, press the **Back Arrow** to return to the Door Bell Settings main page.



22. Repeat steps 2-21 for each additional doorbell button being integrated. When finished press the **Back Arrow** to return to the Intercom Global Settings main page.



## Exercise 6: Door Station Dial Plans

*Overview* Door Station Dial Plans give intercom stations 2 tier instructions on how the intercom stations will respond to a door station buttons press. Up to 10 Dial Plans may be created, one for each system mode, per ELAN Intercom system. Each dial plan consists of 2 tiers of intercom stations, the first tier intercom stations are called first when a door station button is pressed. After a delay executed, the second tier of intercom stations are called.

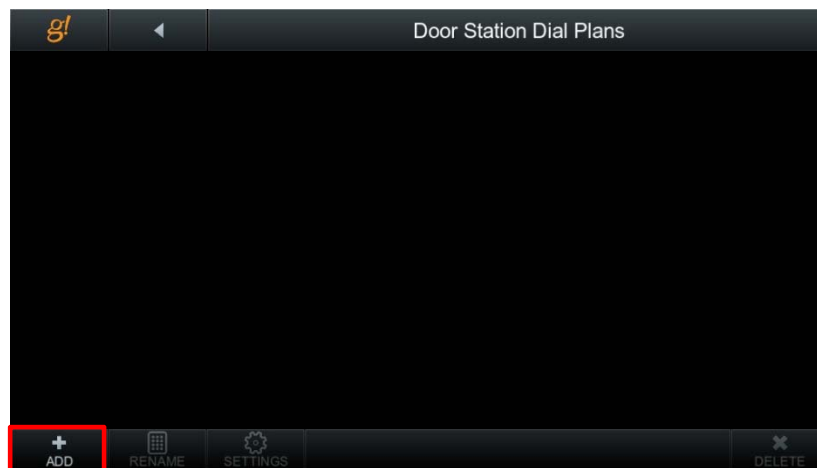
This exercise will demonstrate how to create a Door Station Dial Plan.

*How-to* Setup a Door Station Dial Plan

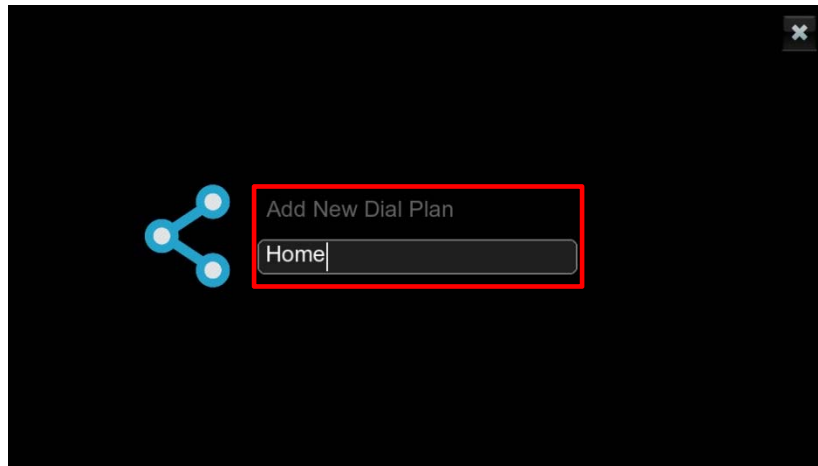
1. From the Intercom Global Settings main page, select **Door Station Dial Plans**.



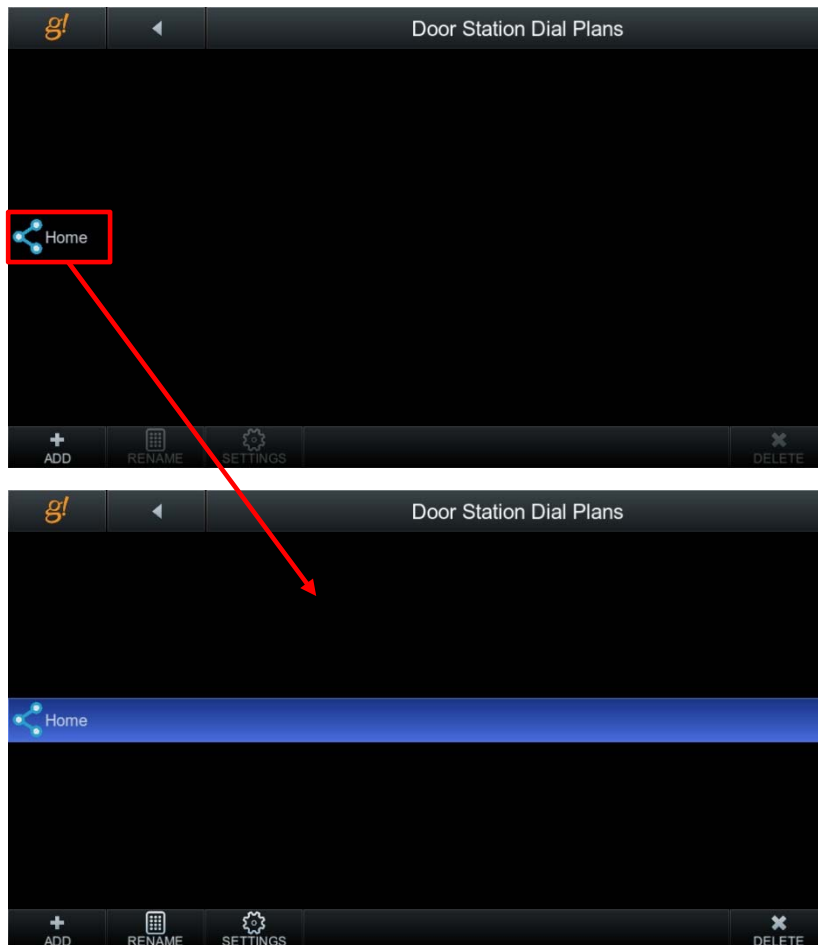
2. The *Door Station Dial Plans* page appears. Select **+ ADD** to create a new Door Station Dial Plan.



3. The Add New Dial Plan page appears. Enter the **name of the Dial Plan** and select **Enter or Done** when finished. This step will name the Dial Plan Home.



4. Select the newly added **Dial Plan**.



5. Select the **Settings button** to begin editing the selected Dial Plan.



6. The Settings: Home page appears.



g! Intercom Dial Plan Settings Page Terminology Quick Reference	
Tiers	Calling priority to intercom stations when a door station button is pressed. Tier 1 is always initiated first.
Timeout	The amount of time the tier is active before proceeding to the next tier, or ending. Timeout adjustments are from 0 seconds to 30 seconds in 1 second increments.
Targets	The intercom stations assigned to the tier.

7. Use the **Up and Down** buttons to adjust the Tier 1 **Timeout** to the desired amount of seconds. This step will set the timeout to 20 seconds.



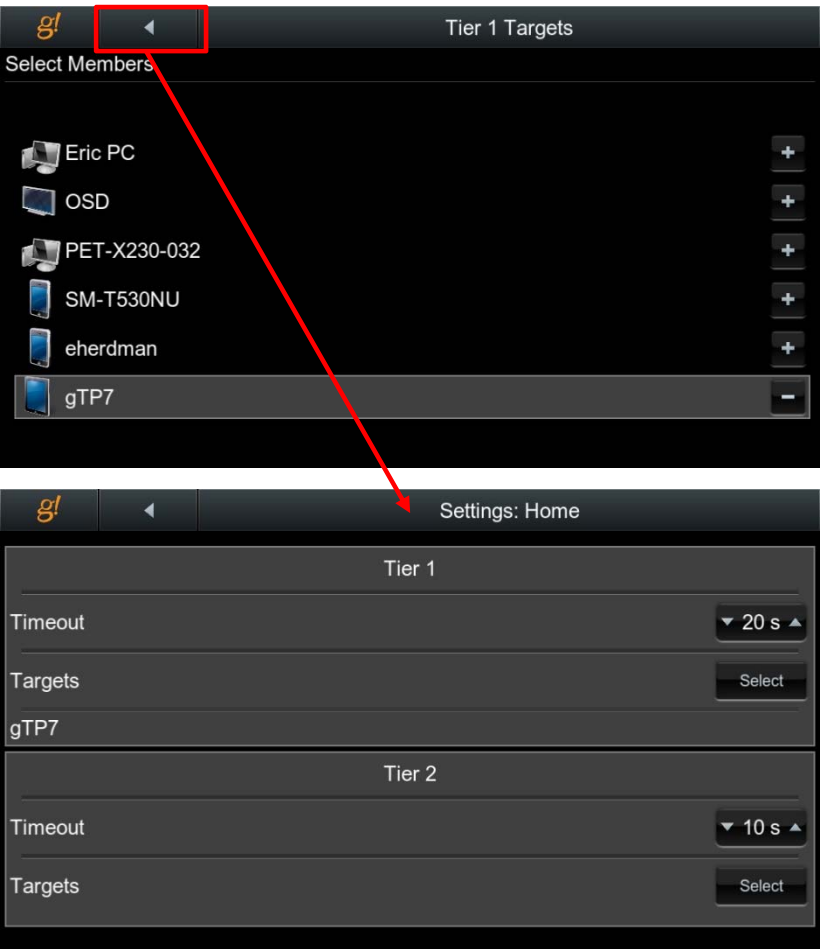
8. To add Targets, press the **Select** button to add intercom stations.



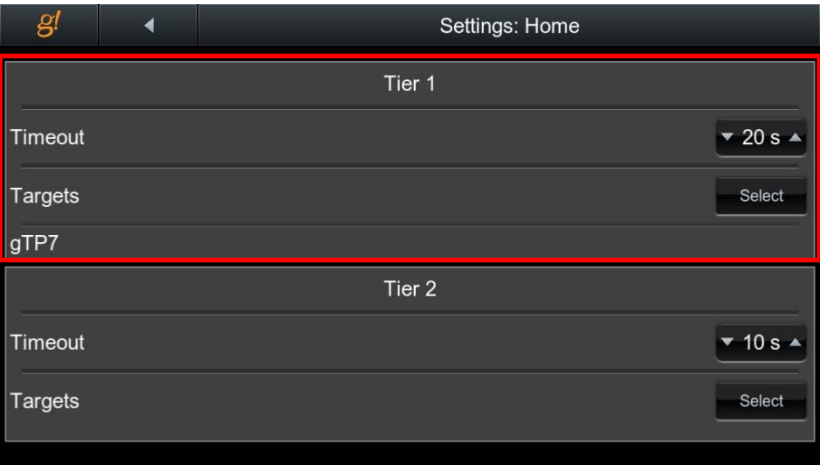
9. *The Tier 1 Targets page appears.* Press the **+ (Plus)** button to the right of each available intercom station to assign member to the tier level. For this step select gTP7.



10. Once the desired intercom stations have been assigned to the tier level, press the **Back Arrow** to return to the Settings: Home page.

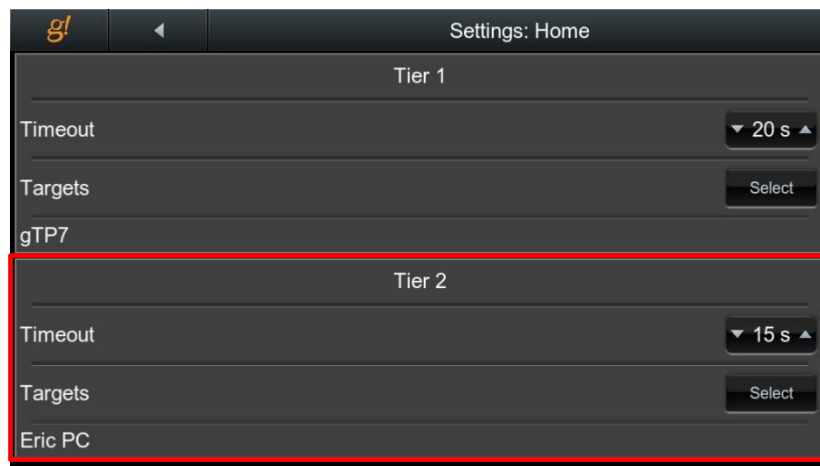


11. Confirm the Tier 1 Dial Plan is correct.

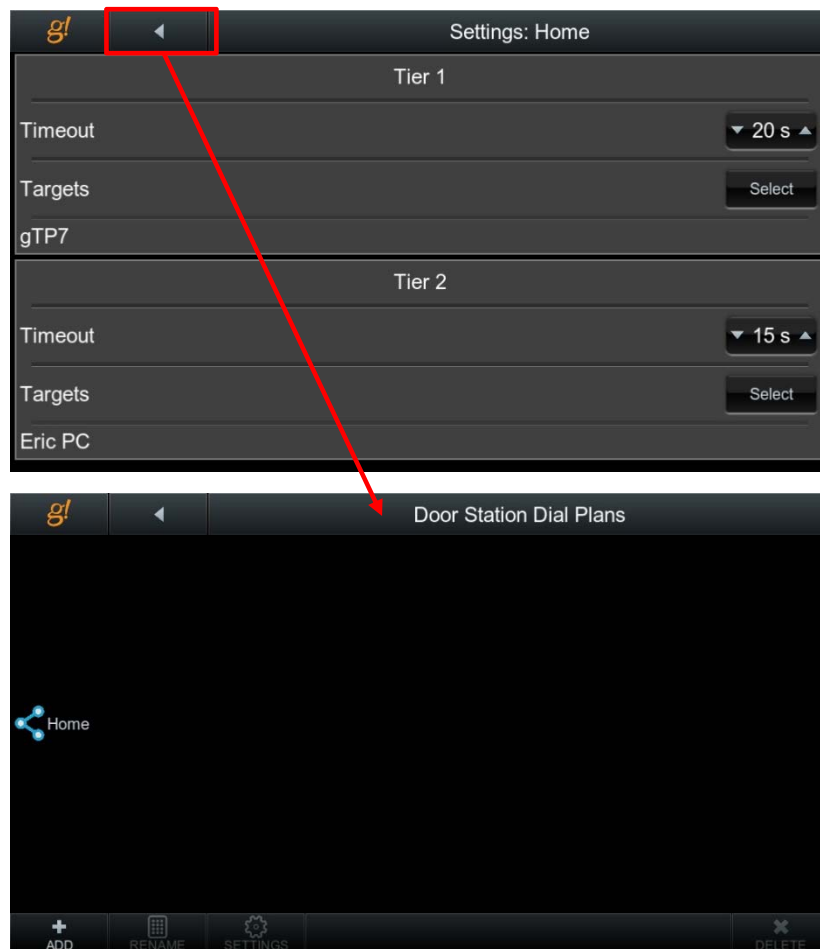




12. Repeat steps 7-10 to edit the Tier 2 Timeout and Targets. For this step set the Tier 2 **Timeout to 15 seconds** and **add another intercom station**. When finished the screen should look similar to the image below.



13. Confirm the Tier 2 Dial Plan is correct and press the **Back Arrow** to return to the Door Station Dial Plans main page.



14. Repeat steps 2-13 add/edit additional Door Station Dial Plans.

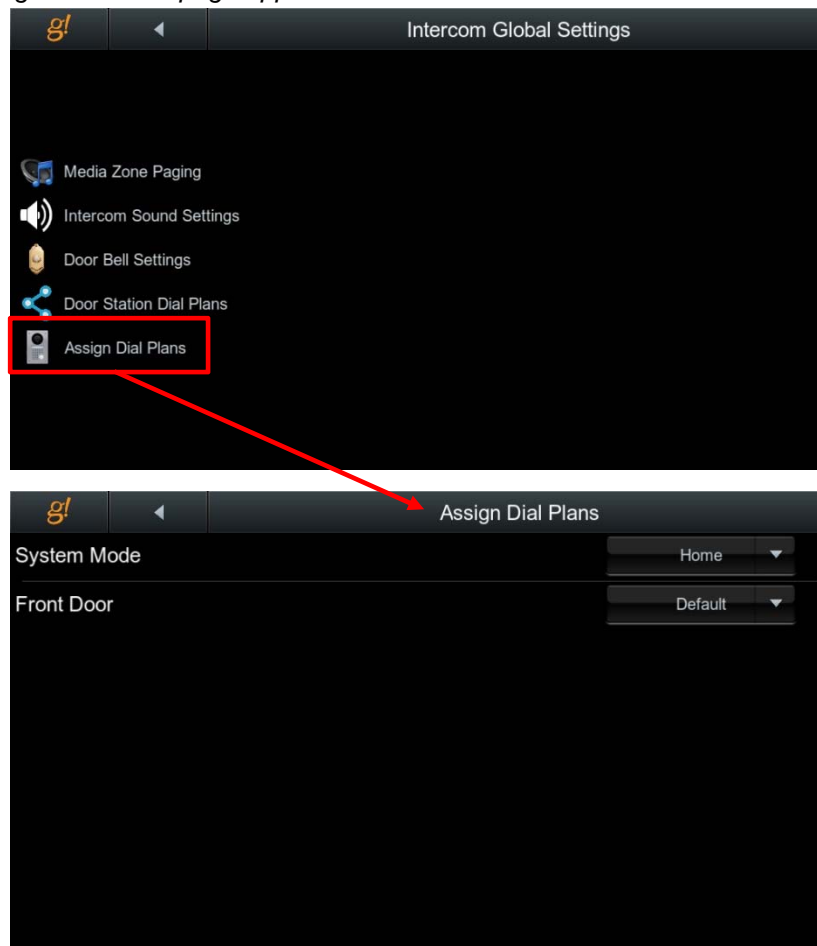
## Exercise 7: Assign Dial Plans

*Overview* Door Station Dial Plans are created to instruct the intercom stations how to respond when a door station button is pressed. Once the Dial Plan is created it must be associated to one of ten ELAN g! System Modes and assigned to the door station(s) being used in the system. Which system mode is active will determine which Dial Plan the door station will use.

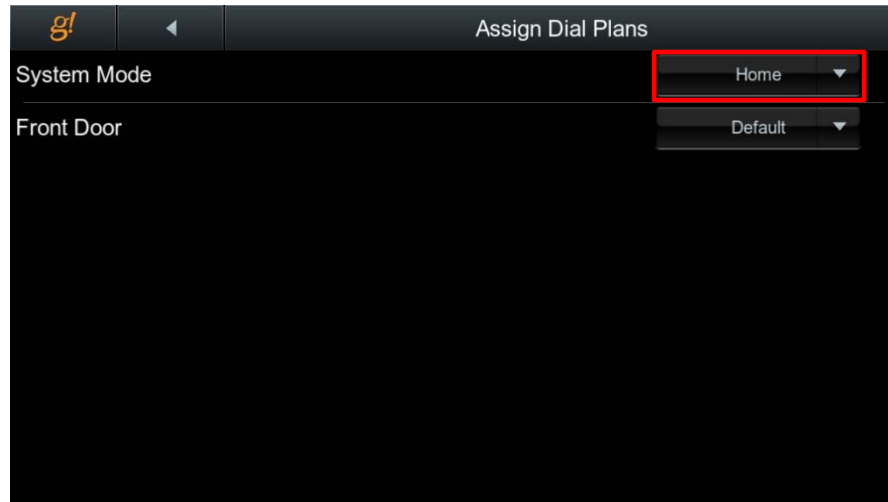
This exercise will demonstrate how to assign a Dial Plan.

*How-to* Assign a Dial Plan

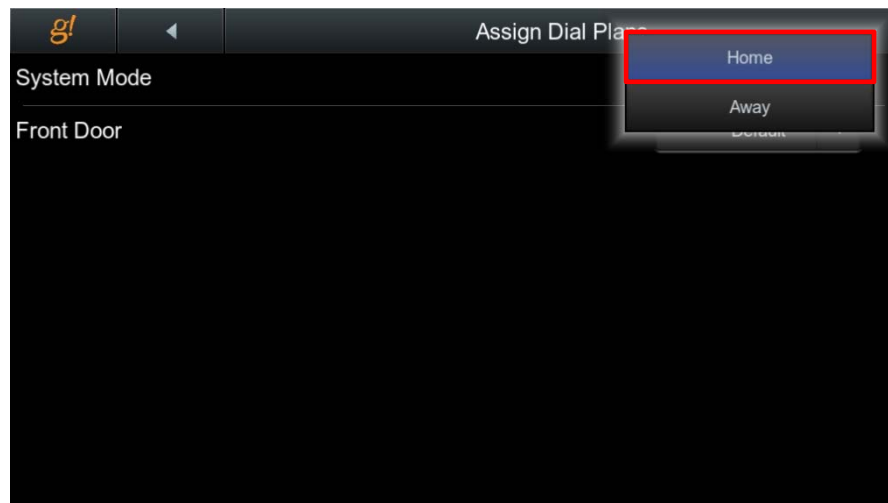
1. From the Intercom Global Settings main page, select **Assign Dial Plans**. *The Assign Dial Plans page appears.*



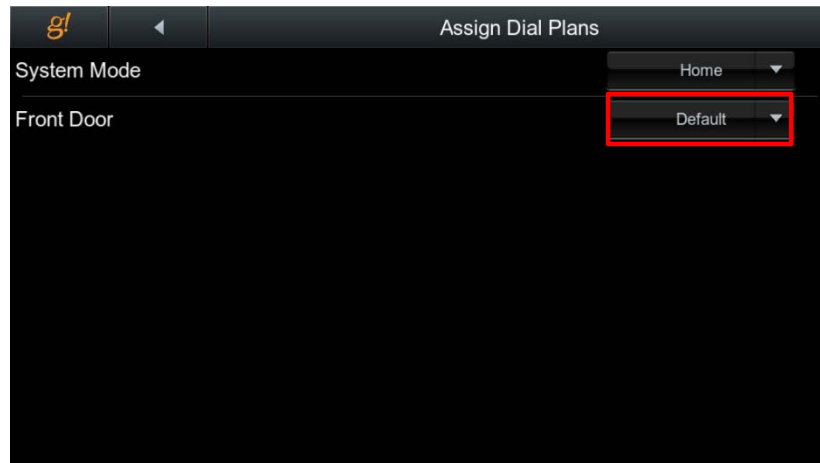
2. Select the **System Mode** drop down.



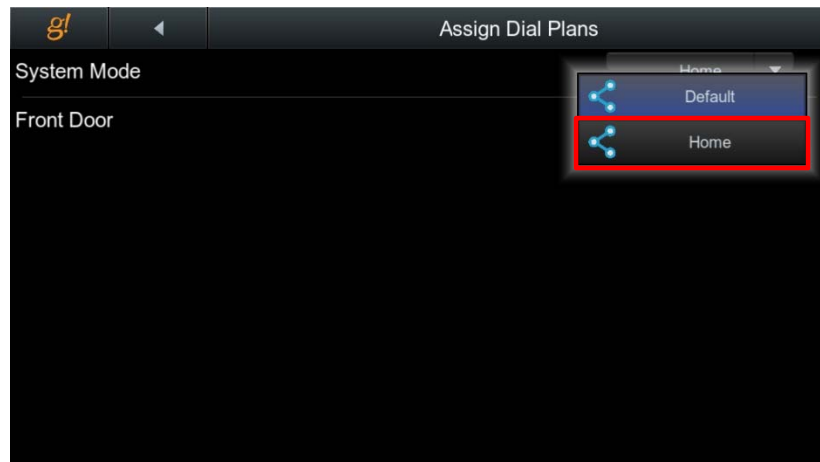
3. Select the **system mode** the Dial Plan will be assigned to. This step will use system mode **Home**.



4. Select the **Door Station** drop down.

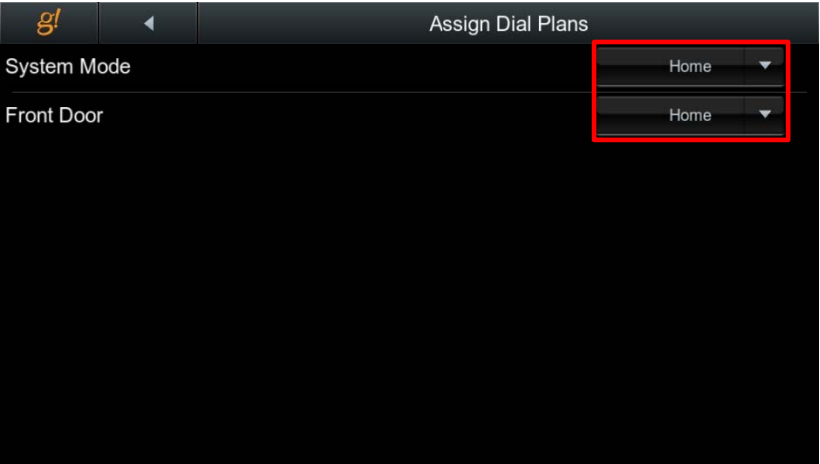


5. Select the **Door Station Dial Plan** to assign to the door station. This step will select **Home**.

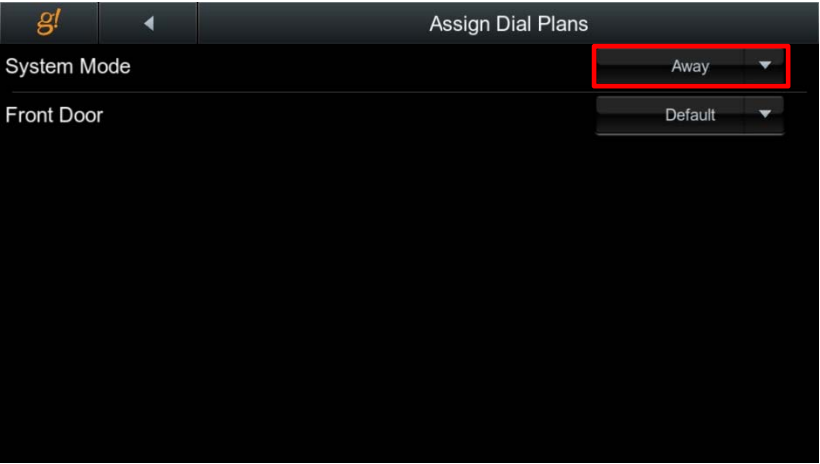


**Note:** For door stations feature a Default Dial Plan assigned to them. The Default Dial Plan calls all intercom station(s) when a door station button is pressed regardless of the active system mode.

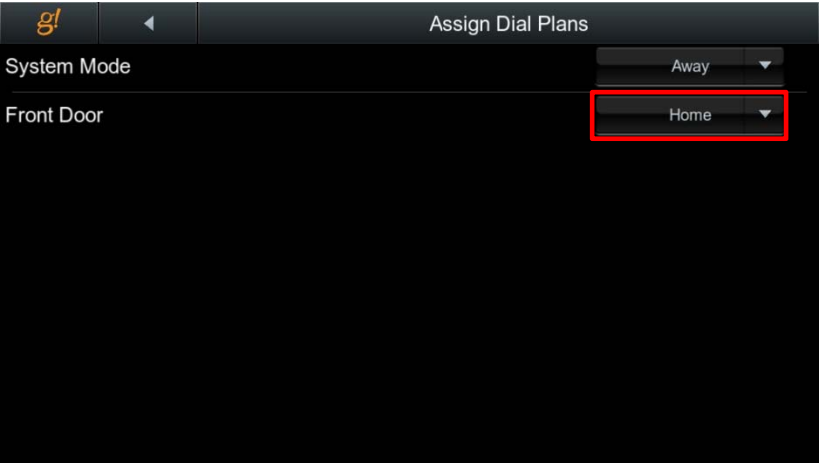
6. Confirm the System Mode and Dial Plan are properly setup for the system mode Home.



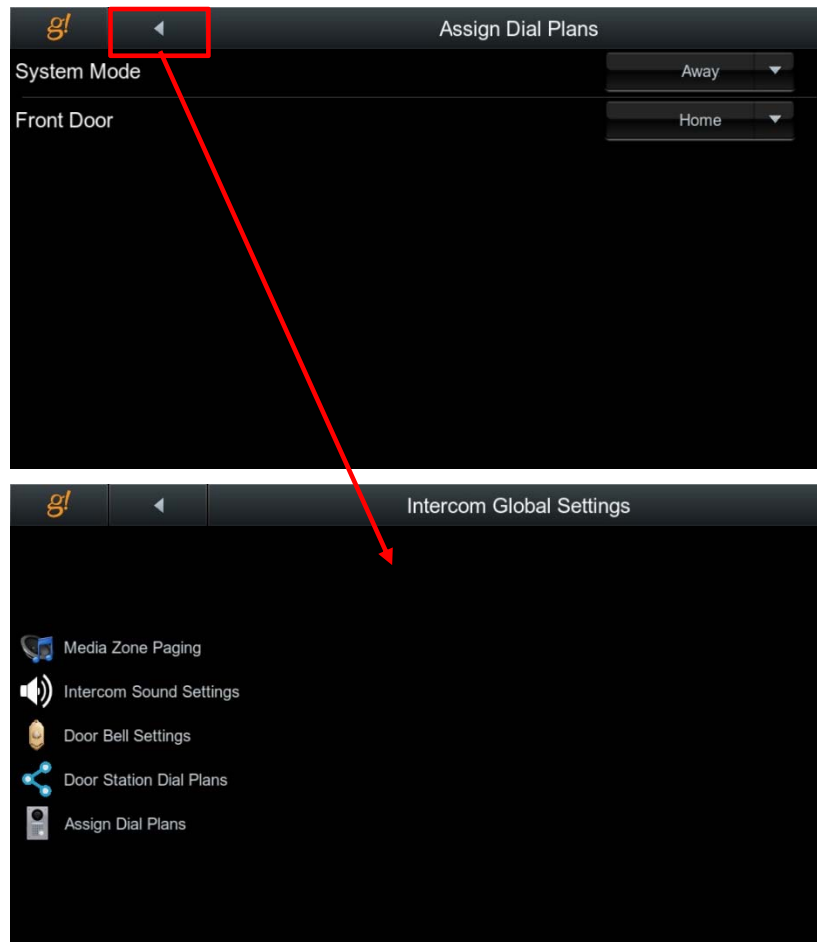
7. Select the **System Mode** drop down and choose another system mode to assign the Dial Plan for when that system mode is active. This step will use **Away**.



8. Repeat step 5 to assign **the Dial Plan** to the Away system mode.



9. Repeat steps 1-8 to assign additional Dial Plans to any additional door stations.
10. Once the Dial Plans have been assigned, press the **Back Arrow** to return to the Intercom Global Settings main page.



11. When finished select the **g! Icon** in the upper left corner to return to the g! Main Menu.



## Notes:

This image shows a full page of blank, lined paper. It features approximately 28 horizontal blue or grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings on the page.

## Notes:

This image shows a full page of blank, lined paper. It features approximately 28 horizontal black lines spaced evenly across the page, typical of standard notebook paper. The lines are thin and extend from the left edge to the right edge. There are no margins, text, or other markings on the page.



# Lesson 7

## Intercom: Media Zones: Door Chime



### Overview

This lesson provides an overview for how to make Media Zones part of the g! Intercom for paging features.

In this lesson you will:

- Learn how to connect the g1 for use with paging in Media zones
- Learn how to configure the g1 in the g!Configurator
- Learn how to assign media zone(s) to a Group
- Learn how to Page media zone(s)

### Requirements

- g! system controller, g1, compatible SIP-enabled door station, audio zone controller, and g!Tools.

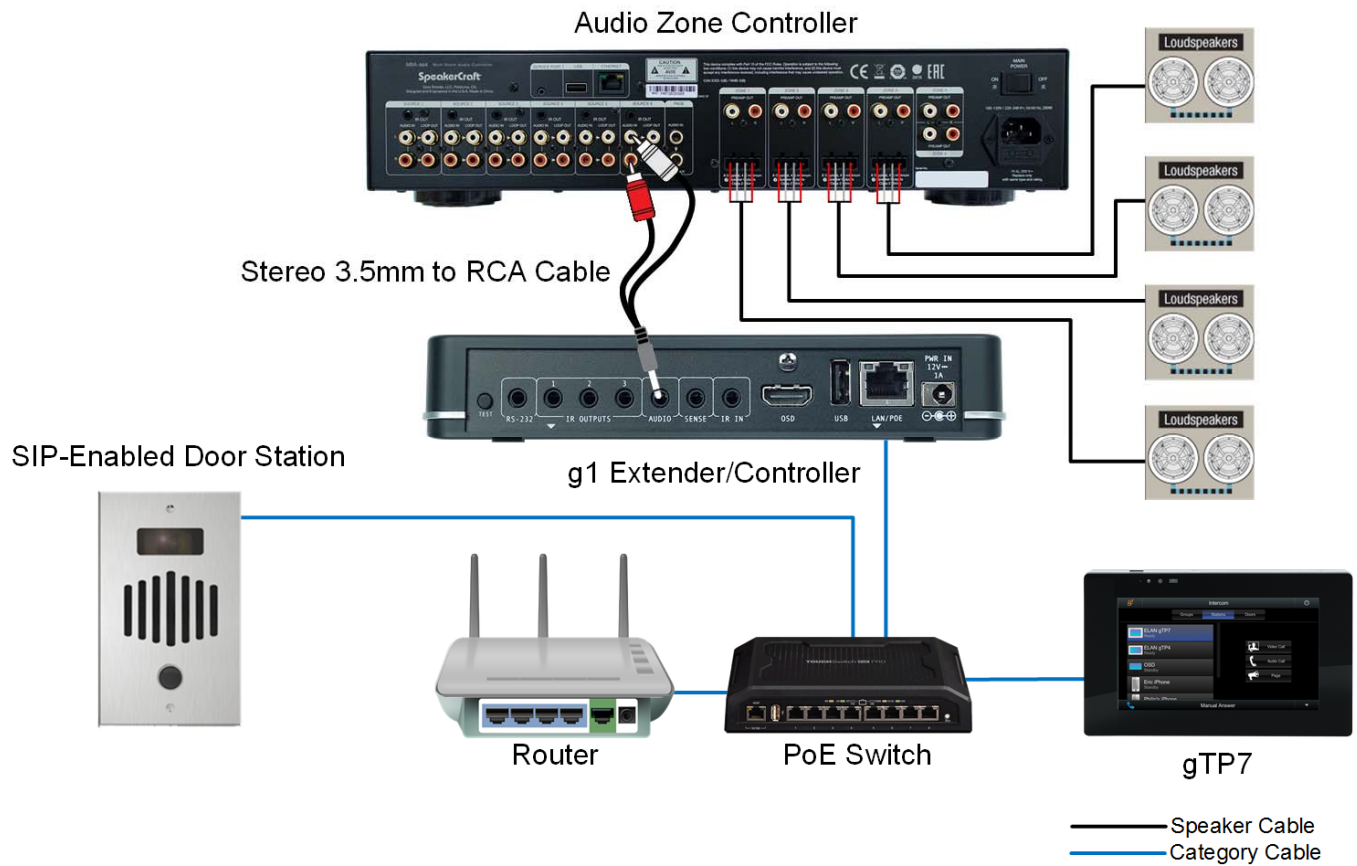
# g1 for Intercom Introduction

## Overview

The g! Intercom app lets a one-way broadcast be sent to multiple Media zones when using the ELAN g1's audio output. The g1's audio output lets you broadcast paging and door chime information thru an Audio Zone Controller to the whole house audio speakers.

## Connectivity

The g1's audio output connects to a source input on an Audio Zone Controller. Simply connect a 3.5mm stereo to RCA adaptor from the ELAN g1's audio output to an analog source input on the Audio Zone Controller. This connection will allow for the ELAN Intercom to send Paging and Door Chime information through the audio system's speakers.



*Configuring* The g1 is setup in the g!Configurator Software. The g1's audio output interface is assigned an analog source input on the Audio Zone Controller. Once the g1 is added as a source the rest of the setup is done in the Intercom settings pages. *See Configurator Training Guide 7.1, Distributed A/V Systems: Part 1, Exercise 1 and 6 for information on how to add the g1's audio output to an Audio Zone Controller.*

The ELAN g! Intercom is easily set up, and edited, in the g!Viewer allowing for multiple application uses.

<b>g! Intercom Terminology Quick Reference</b>	
Intercom Stations	A network device that can receive and initiate one-way, or two-way, audio and/or video calls.
	<b>Note:</b> Stations include the ELAN g1 and compatible 3 <sup>rd</sup> party devices running the ELAN g!Viewer software or App. Video calls are dependent on the hardware being used.
Page	A one-way broadcast to multiple intercom stations.
Point-To-Group Calls	Call request to a group of intercom stations for two-way audio and/or video calls

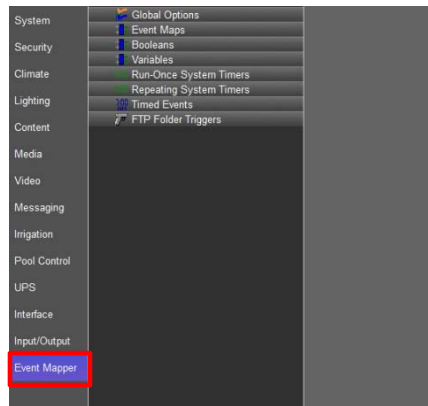
# Exercise 1: Door Chime Event Map

**Overview** When using a compatible SIP-Enabled door station it is desired to have paging and door chime information played over the whole house audio speakers. Exercise 1 demonstrates how to create an event in the g!Configurator for door chime over the whole house audio speakers after the g1's audio output has been added as a source.

*This exercise requires that Lesson 6:Global Intercom Settings, Exercise 5:Door Bell Settings and Configurator Training Guide 7.1, Lesson 6: Distributed A/V Systems: Part 1, Exercise 1 and 6 have been completed.*

**How-to** Create and Event Map for door chime

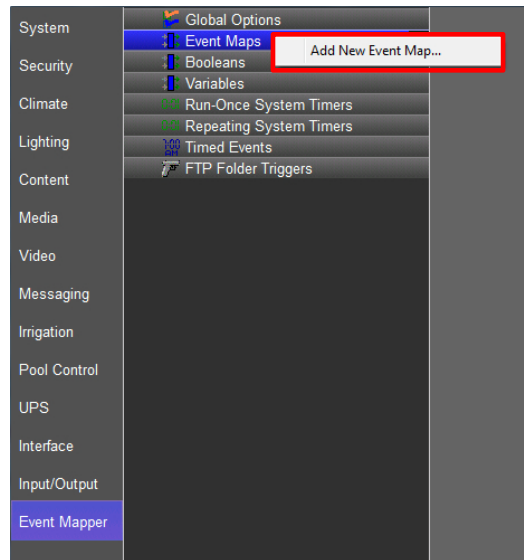
1. Open the g!Configurator and select the **Event Mapper** tab.



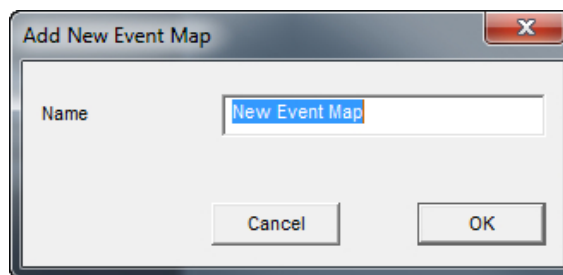
## Quick Reference: Event Mapper Tab

Global Options	Enables or disables all event maps
Event Maps	Events, conditions, and commands are added and managed here.
Booleans	True/False data type, intended to allow different actions depending on whether conditional events are true or false.
Variables	Logical set of attributes. Variables are values that can be used as conditions for events. The Variable data can be changed by other events in the Event Mapper tab.
Run-Once System Timers	Timer that triggers an event when it expires. Run-Once timers are started/re-started from a separate event map command and do not repeat themselves automatically.
Repeating System Timers	Timer that triggers an event when it expires then automatically resets and begins counting down again. Repeating timers are their own event and will repeat themselves indefinitely.
Timed Events	Timer that triggers an event at a designated time. Times may be sunrise, sunset, in relationship to sunrise and sunset, or at a specific time of day.
FTP Folder Triggers	Triggers an event when a specified folder is accessed.

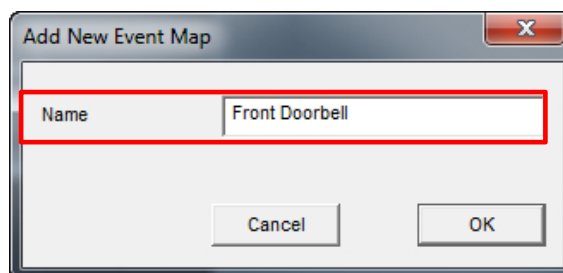
2. Right click on the **Event Maps** node. *The Add New Event Map... pop up appears.*



3. Select the **Add New Event Map....** *The Add New Event Map window appears.*



4. Type in the **desired name** in the name field. This step will use the name **Front Doorbell**.



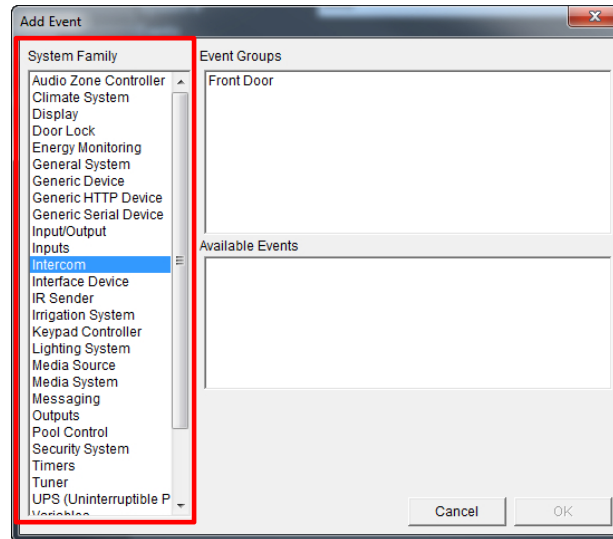
5. Select **OK** to add the new event.

The screenshot shows the 'Event Mapper' window with the 'Front Doorbell' event selected. The 'Name' field is 'Front Doorbell' and the 'System #' is '9668'. The 'Events' section is empty, and the 'Add' button is visible. The 'Conditions' and 'Commands' sections are also empty, with their respective 'Add' buttons visible. The 'Apply', 'Test Commands Now', 'Copy Commands', and 'Paste Commands' buttons are at the bottom.

6. In the properties pane for the newly added event, select **Add** in the Events row.

The screenshot shows the 'Event Mapper' window with the 'Front Doorbell' event selected. The 'Name' field is 'Front Doorbell' and the 'System #' is '9668'. The 'Events' section is empty, and the 'Add' button is highlighted with a red box. The 'Conditions' and 'Commands' sections are also empty, with their respective 'Add' buttons visible. The 'Apply', 'Test Commands Now', 'Copy Commands', and 'Paste Commands' buttons are at the bottom.

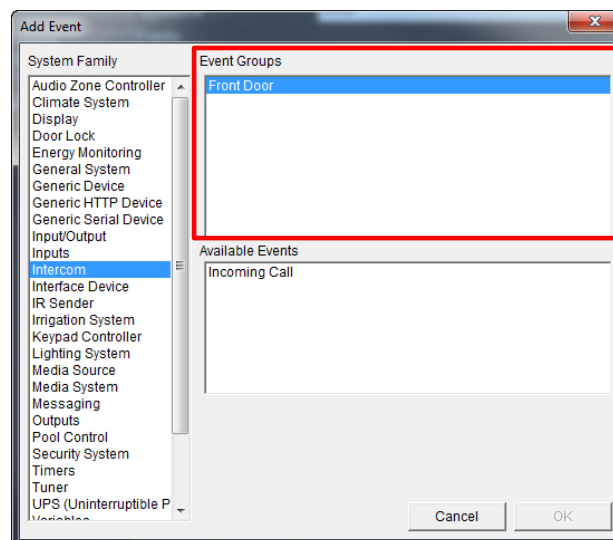
7. The Add Event window appears. Select the System Family **Intercom**.



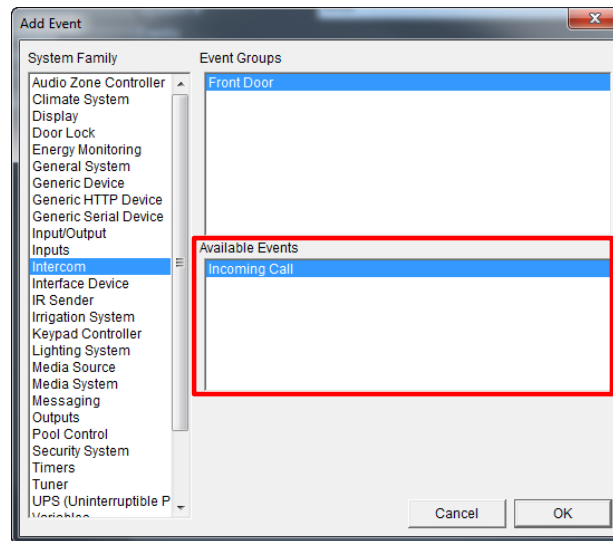
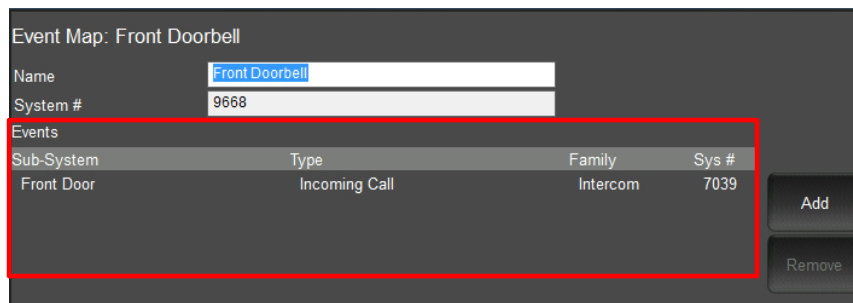
#### g! Add Event Terminology Quick Reference

System Family	A set of system components a device is assigned to.
Event Groups	A group of system devices with available commands.
Available Events	An available command used to create an event.
Options	Available for some Available Events. Options appears when an Available Event has multiple commands.

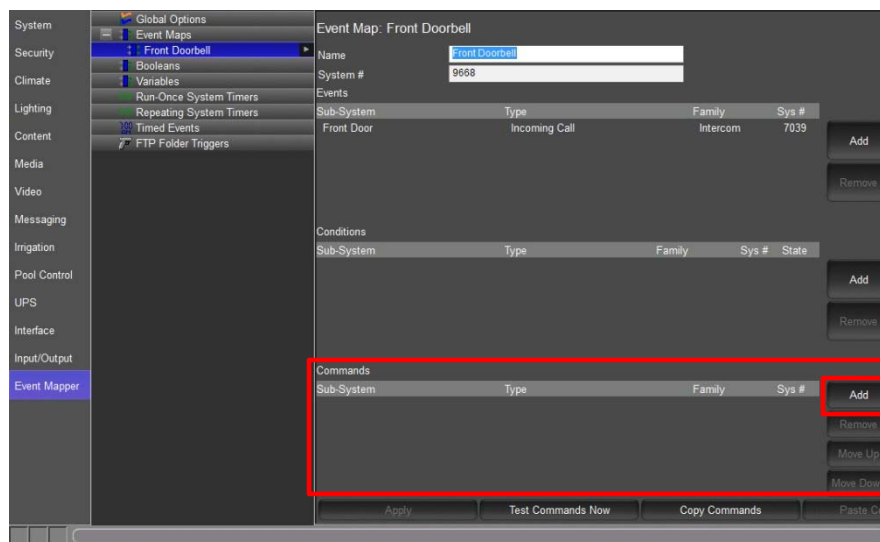
8. Select the Event Group **Front Door**.



**Note:** The Front Door was created in Lesson 4, Exercise 2.

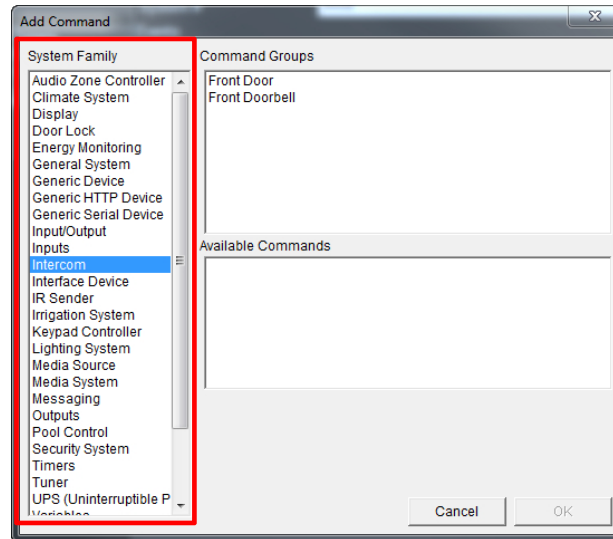
9. Select the Available Events **Incoming Call**.10. Select **OK** to add the Incoming Call event.

**Note:** An Incoming Call event is used to note when the button on a door station has been pressed.

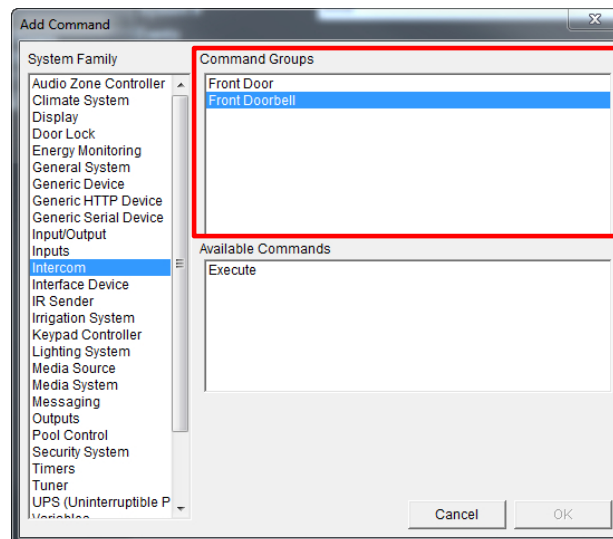
11. In the **Commands** row, select **Add**.



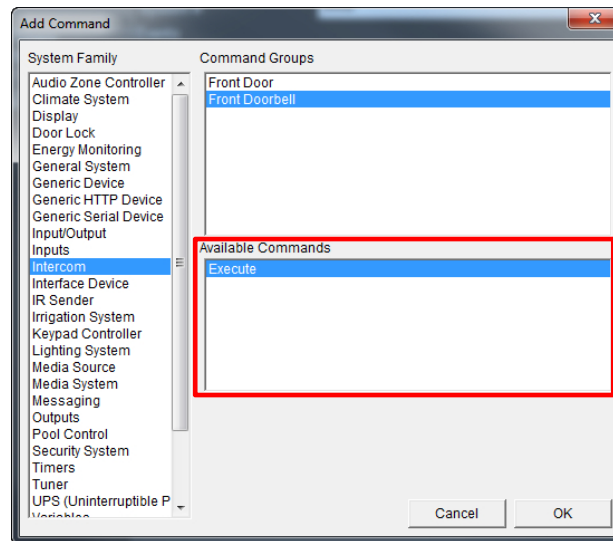
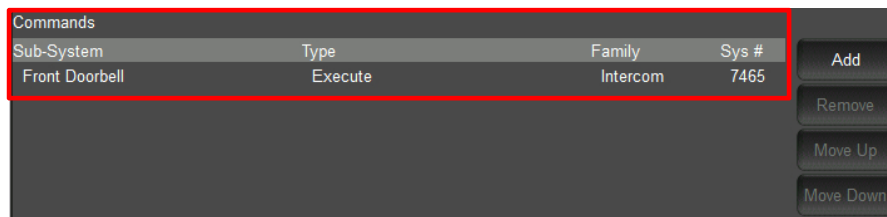
12. The Add Event window appears. Select the System Family **Intercom**.



13. Select the Event Group **Front Doorbell**.

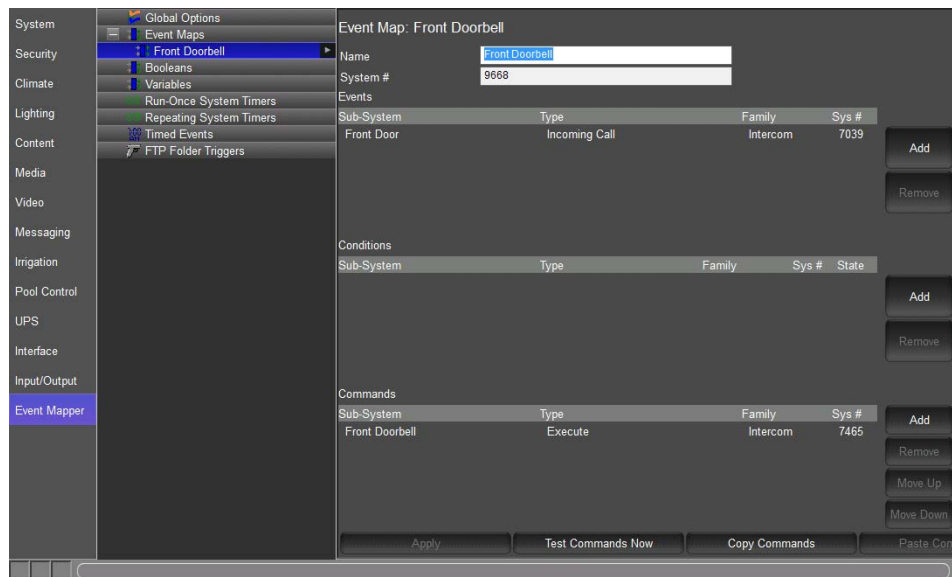


**Note:** For additional information on Door Bell Settings see Lesson 6, Exercise 5 in this guide.

14. Select the Available Events **Execute**.15. Select **OK** to add the Execute command.

**Note:** The Execute command sends the door chime setup in Lesson 6, exercise 5 to the ELAN Intercom Stations, including the g1's audio output.

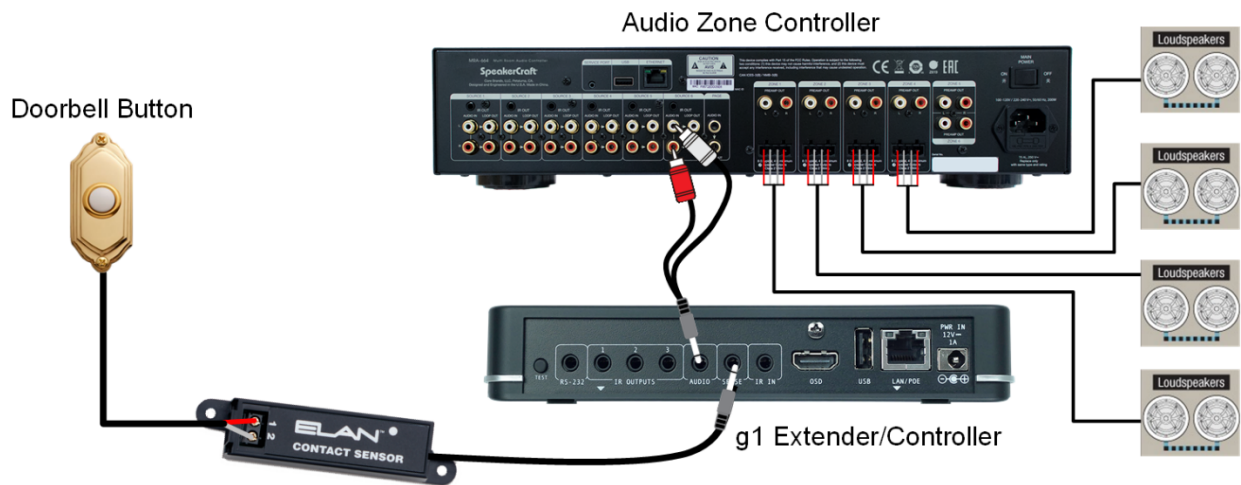
## 16. Repeat steps 1 – 15 for each additional door station.



## Exercise 2: Doorbell Button Event Map

**Overview** Sometimes a door station may not be possible, but having door chimes played through the audio system speakers is required. The ELAN Intercom allows for using a standard doorbell button with an ELAN CTSensor to create a door chime event.

Exercise 2 demonstrates how to create an event in the g!Configurator for door chime over the audio speakers using a doorbell button instead of a door station.

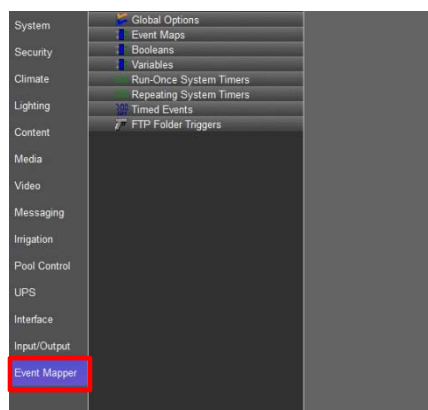


**Note:** The ELAN CTSensor is a dry contact sensor. Only non-backlit doorbell buttons should be used.

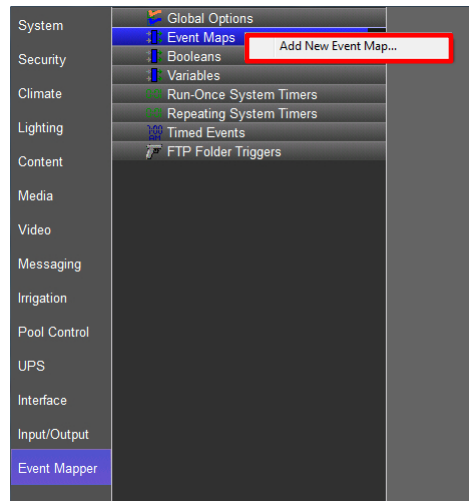
*This exercise requires that Lesson 6: Global Intercom Settings, Exercise 5: Door Bell Settings has been completed.*

**How-to** Create an Event Map for door chime

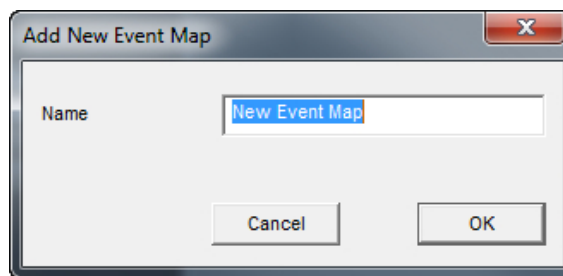
1. Open the g!Configurator and select the **Event Mapper** tab.



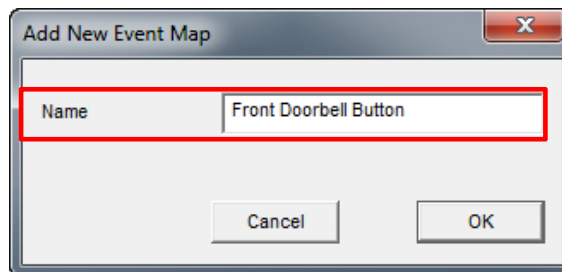
2. Right click on the **Event Maps** node. *The Add New Event Map... pop up appears.*



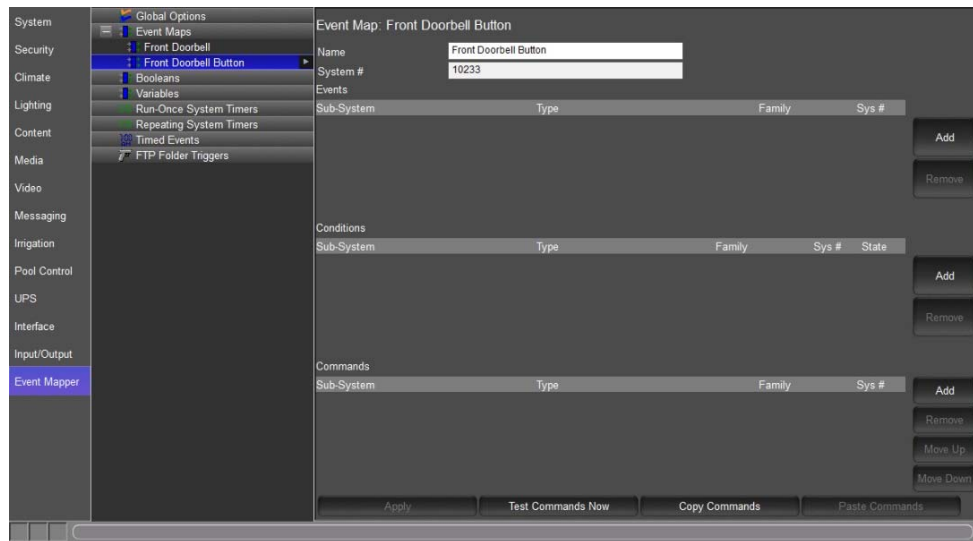
3. Select the **Add New Event Map....** *The Add New Event Map window appears.*



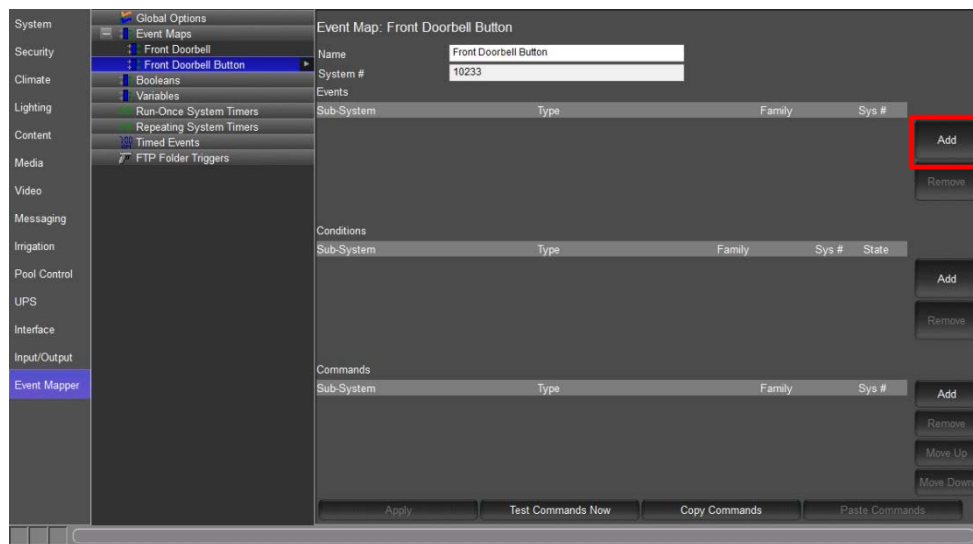
4. Type in the **desired name** in the name field. This step will use the name **Front Doorbell Button**.



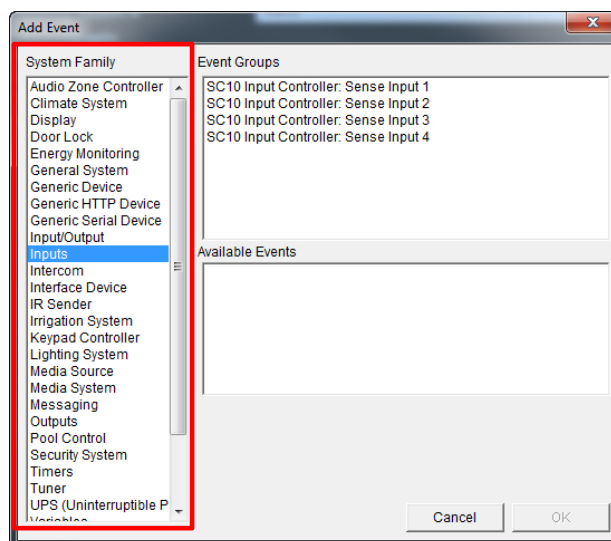
5. Select **OK** to add the new event.



6. In the properties pane for the newly added event, select **Add** in the Events row.



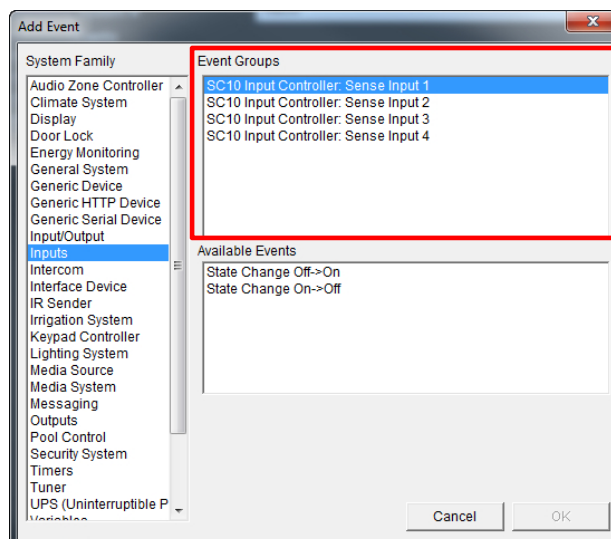
7. The Add Event window appears. Select the System Family **Inputs**.



#### g! Add Event Terminology Quick Reference

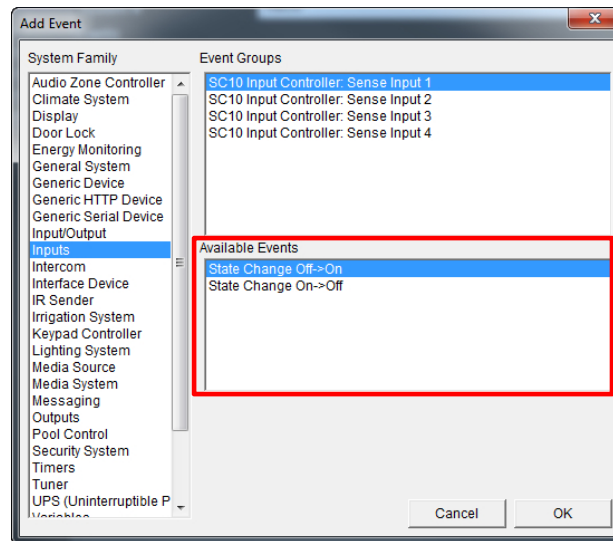
System Family	A set of system components a device is assigned to.
Event Groups	A group of system devices with available commands.
Available Events	An available command used to create an event.
Options	Available for some Available Events. Options appears when an Available Event has multiple commands.

8. Select the **Sense Input** that the ELAN CTSensor is connected to. *This example uses SC10 Input Controller: Sense Input 1.*



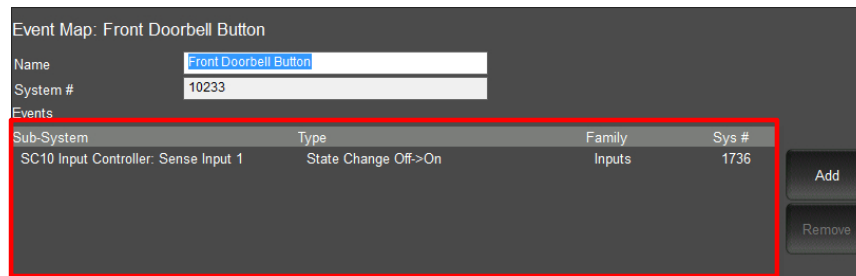
**Note:** The correct Sense Input must be selected or the Event Map will not function.

9. Select the Available Events **State Change Off->On**.



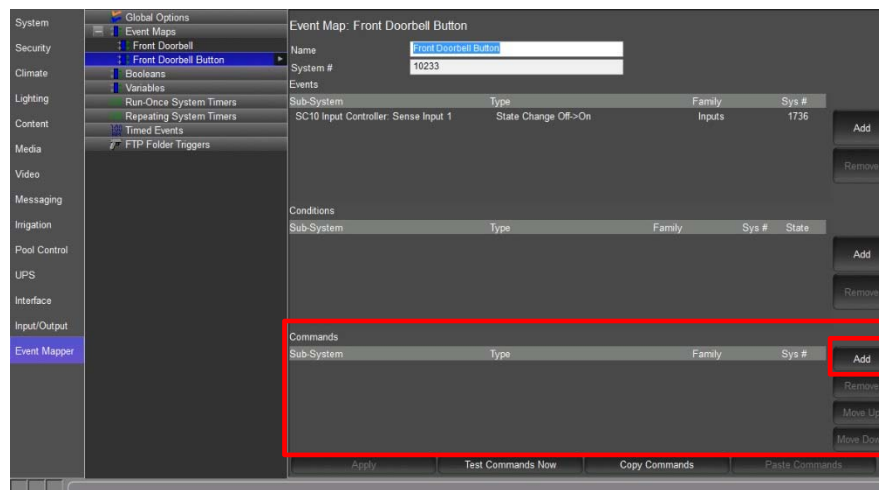
**Note:** When the doorbell button is pressed a contact is made activating the CTSensor. A red light appears on the CTSensor when a contact is detected indicating its status has changed from Off to On.

10. Select **OK** to add the Status Change Off->On event.

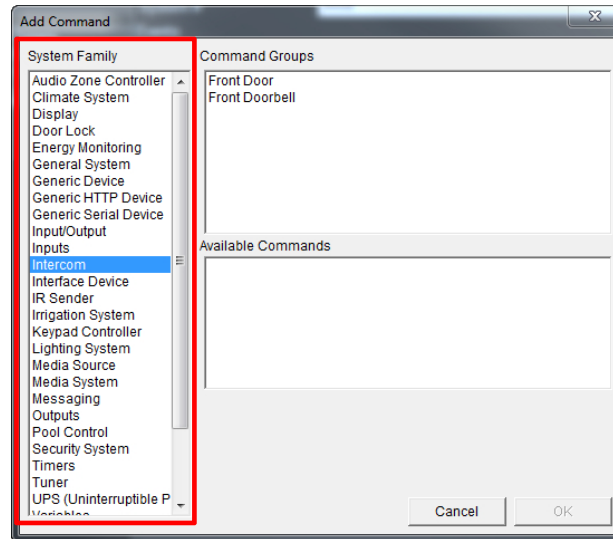


**Note:** The Status Change of the Sense Input from Off to On event is used to note when the doorbell button has been pressed.

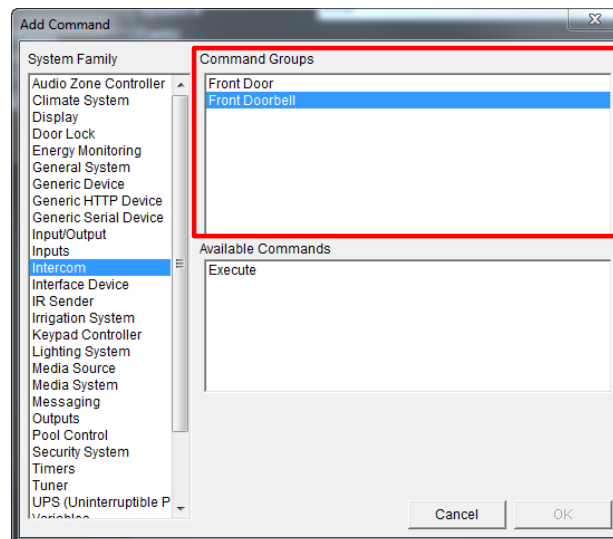
11. In the **Commands** row, select **Add**.



12. The Add Event window appears. Select the System Family **Intercom**.

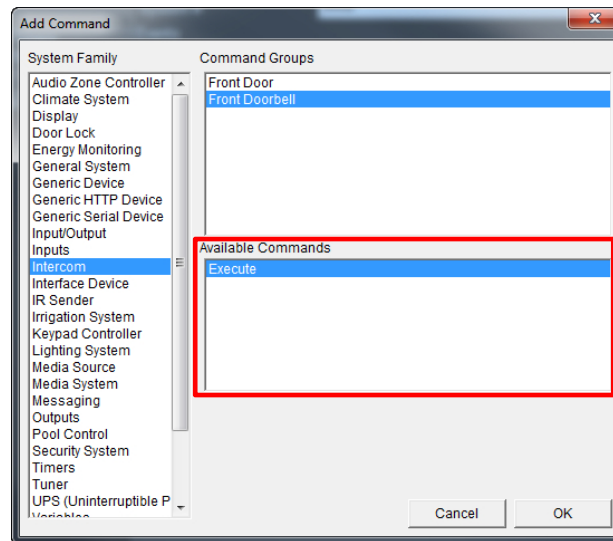
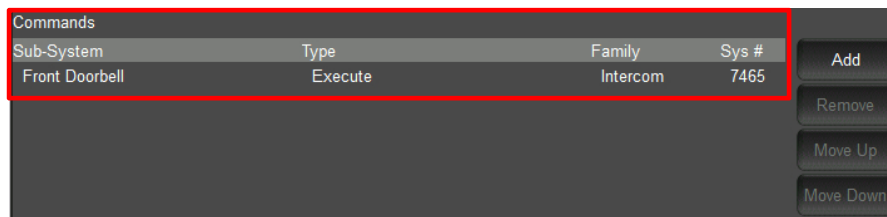


13. Select the Event Group **Front Doorbell**.



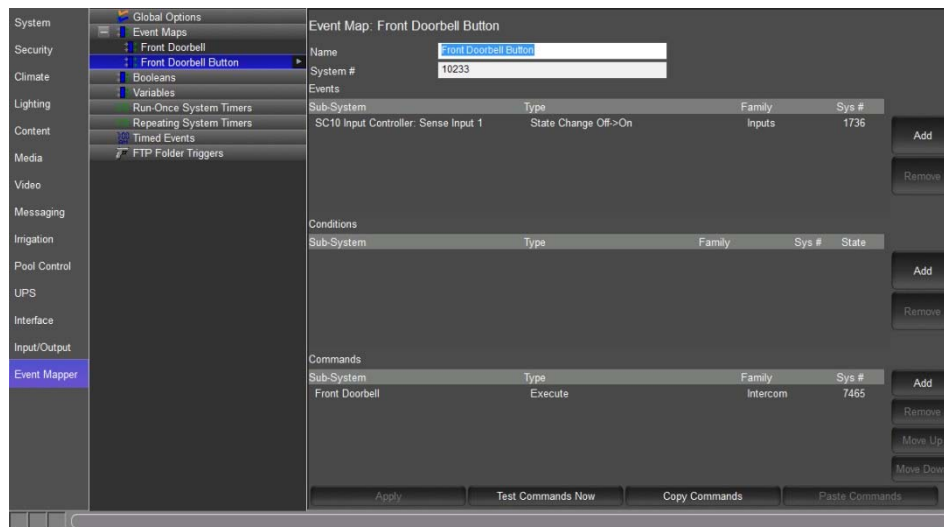
**Note:** For additional information on Door Bell Settings see Lesson 6, Exercise 5 in this guide.



14. Select the Available Events **Execute**.15. Select **OK** to add the Execute command.

**Note:** The Execute command sends the door chime setup in Lesson 6, exercise 5 to the ELAN Intercom Stations, including the g1's audio output.

## 16. Repeat steps 1 – 15 for each additional door station.



## Notes:

This image shows a full page of blank, lined paper. It features approximately 28 horizontal black lines spaced evenly apart, typical of standard notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings present.

## Notes:

[illegible]

# Lesson 8

## Intercom: Media Zones: Paging



### Overview

This lesson provides an overview for how to make Media Zones part of the g! Intercom for paging features.

In this lesson you will:

- Learn how to connect the g1 for use with paging in Media zones
- Learn how to configure the g1 in the g!Configurator
- Learn how to assign media zone(s) to a Group
- Learn how to Page media zone(s)

### Requirements

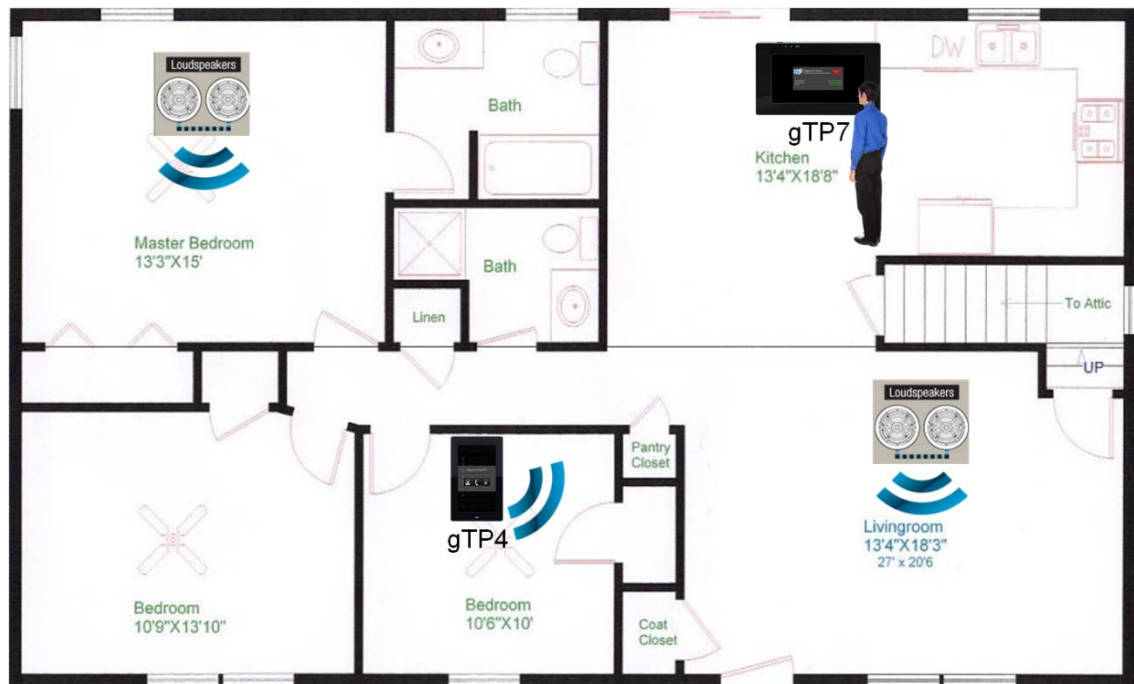
- g! system controller, g1, compatible SIP-enabled door station, audio zone controller, and g!Tools.

# g1 for Intercom Introduction

## Overview

The g! Intercom app lets a one-way broadcast be sent to multiple Media zones when using the ELAN g1's audio output. The g1's audio output lets you broadcast paging and door chime information thru an Audio Zone Controller to the whole house audio speakers.

Paging in media zones is easily setup in the g!Viewer and offers the end user the ability to use their audio systems to make announcements throughout the building/house locally or remotely.



See Configurator Training Guide 7.1, Distributed A/V Systems: Part 1, Exercise 1 and 6 for information on how to add the g1's audio output to an Audio Zone Controller.

The ELAN g! Intercom is easily set up, and edited, in the g!Viewer allowing for multiple application uses.

### g! Intercom Terminology Quick Reference

Intercom Stations	<p>A network device that can receive and initiate one-way, or two-way, audio and/or video calls.</p> <p><b>Note:</b> Stations include the ELAN g1 and compatible 3<sup>rd</sup> party devices running the ELAN g!Viewer software or App. Video calls are dependent on the hardware being used.</p>
Page	A one-way broadcast to multiple intercom stations.
Point-To-Group Calls	Call request to a group of intercom stations for two-way audio and/or video calls

## Exercise 1: Media Zones Page Group

*Overview* A group of Media Zones may be created to customize which A/V zones are included in a page. Multiple groups or a single group may be created to add flexible paging options.

*How-to* Create a Media Zone Page Group

1. From the g! Main Menu, select the **Intercom App**.



2. Select the **Gear Icon** button in the upper right hand corner.

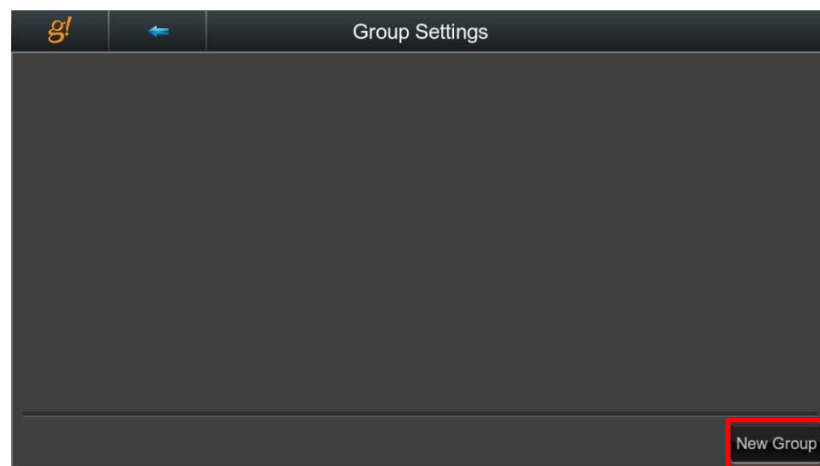


**Note:** Options displayed may differ.

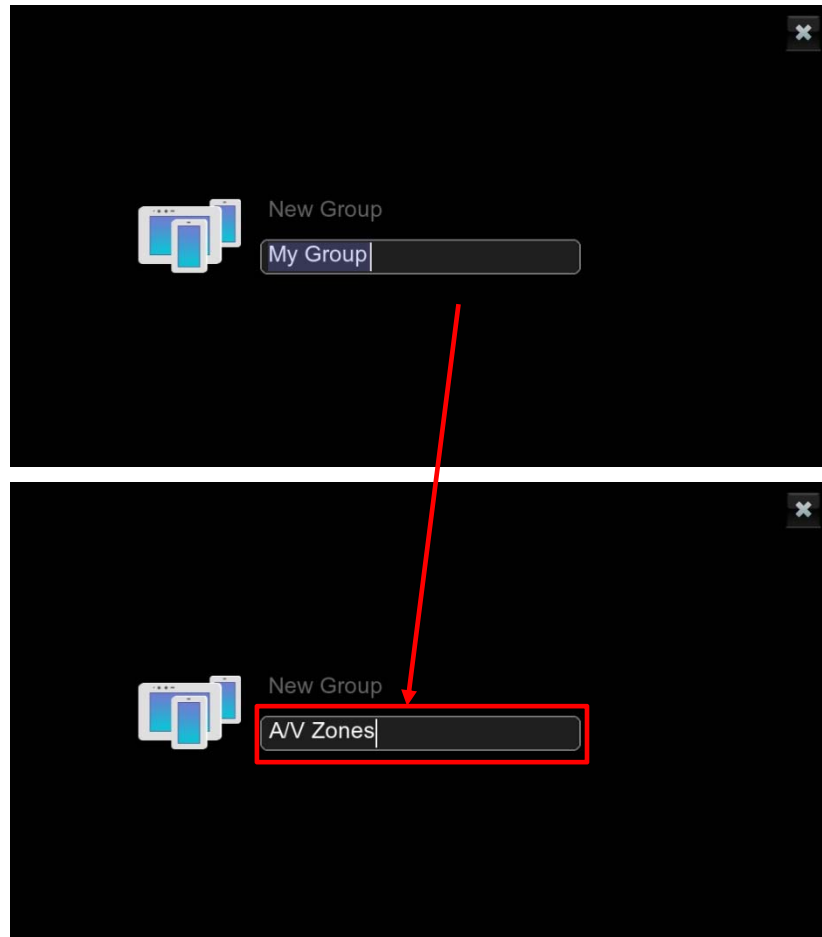
3. Select the **Blue Arrow** to the right of Configure Groups.



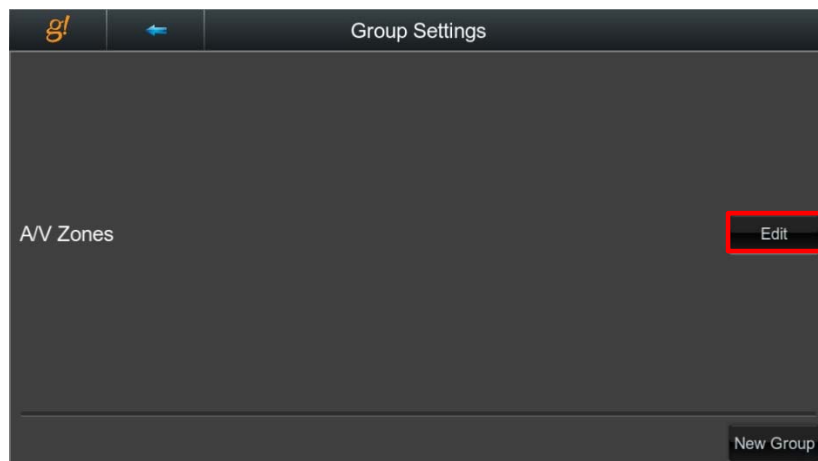
4. *The Group Settings page appears.* Select the **New Group** button to create a new intercom stations group.



5. *The New Group naming window appears.* Use the keyboard on the device to enter a name for the new group. This exercise will enter **A/V Zones**. Press **Return or Enter** on the device being used to configure the intercom groups to enter the name and finish creating the group.

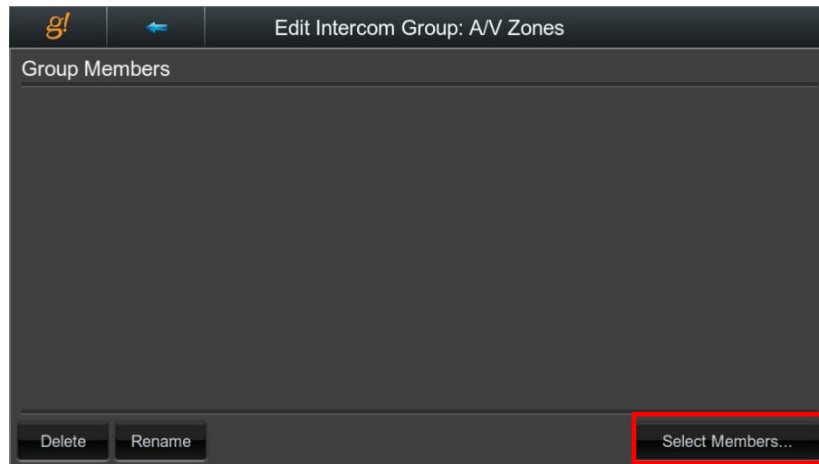


6. *The Group Settings page reappears with the A/V Zones group now available for editing.* Select the **Edit** button to begin assigning Media Zones to the group.

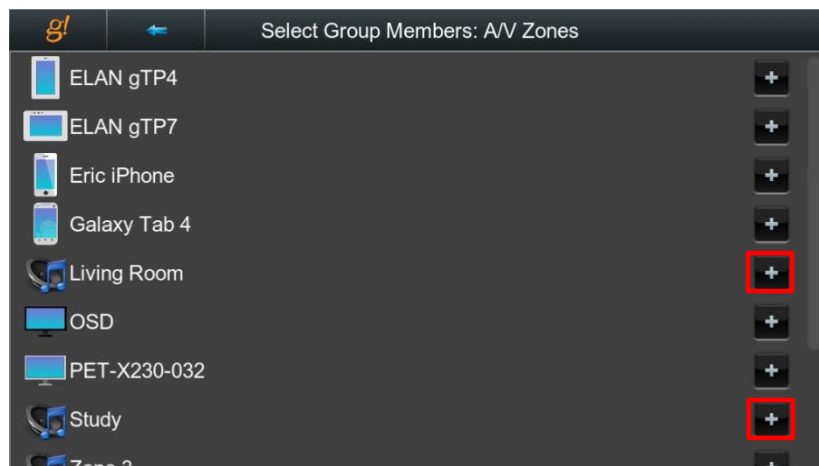




7. The *Edit Intercom Group: A/V Zones* page appears. Select the **Select Members...** button begin adding intercom stations.

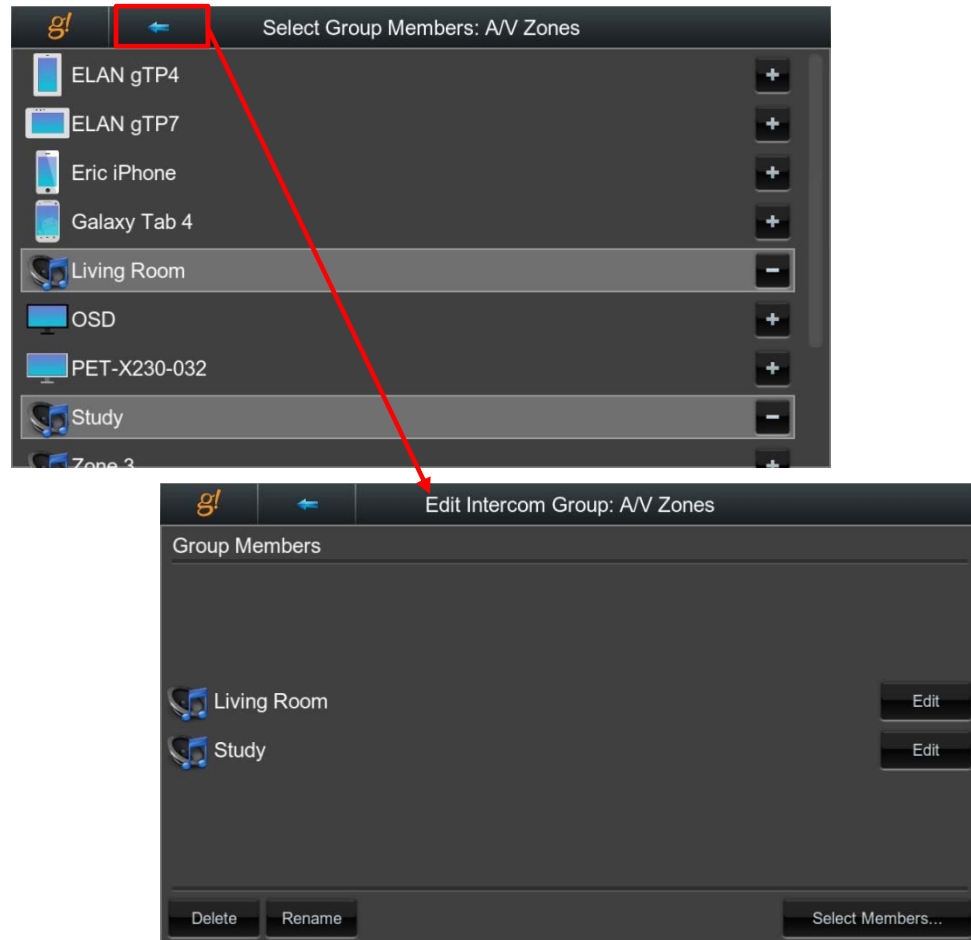


8. The *Select Group Members: A/V Zones* page appears. Use the **+** (plus) button to the right to add the desired Media Zones to the selected Group.



**Note:** During an Audio Call the Microphone and/or Camera may be disabled/enabled using the “Mic is On” and the “Camera is On” buttons.

9. When finished adding intercom stations to the group select the **Back Arrow** button to return to the Edit Intercom Groups: A/V Zones page.



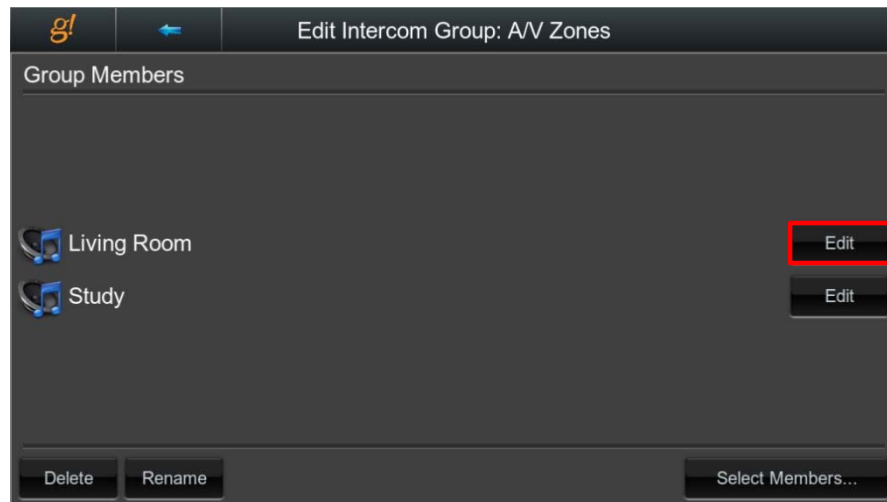
10. Repeat Steps 1-9 to add additional Groups. Proceed to Exercise 2: Editing Media Zones when finished.

## Exercise 2: Editing Media Zones

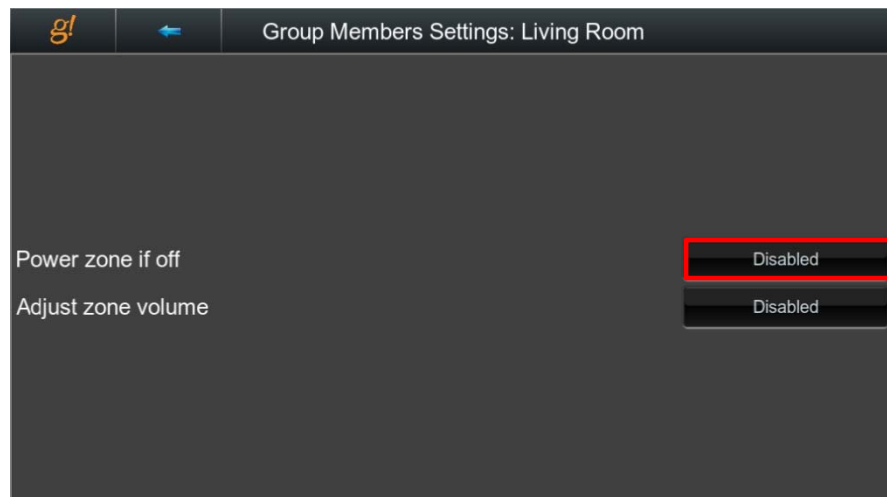
*Overview* Exercise 2 will demonstrate how to edit the Media Zones behavior when a Page is initiated. Options include ensuring a zone is powered On and Volume is preset when a page is started.

*How-to* Edit Media Zones Power and Volume Settings for a Page

1. From the Edit Intercom Groups: A/V Zones page, select the **Edit** button to the right of the Media Zone to begin editing.

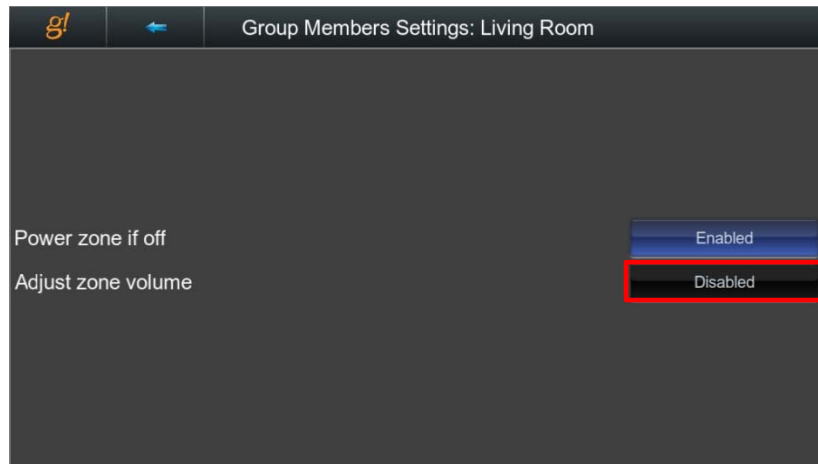


2. The *Group Members Settings: Living Room* page appears. Select the **Power zone if off Disabled** button to enable Powering On the zone when a page is initiated.



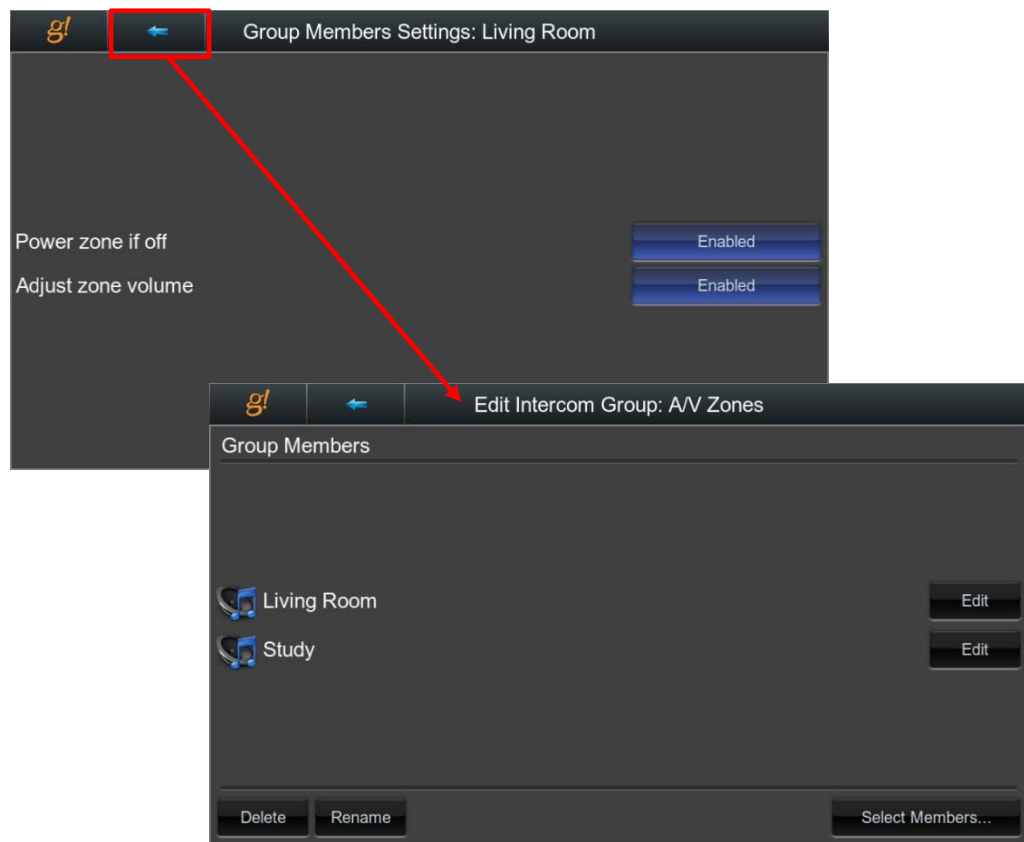
**Note:** Powering On a Media Zone may require a Power On Delay to ensure none of the Page information is lost due to amplifier slew rates. See Lesson 6, Exercise 2 for more information.

3. Select the **Adjust zone volume Disabled** button to enable setting Media Zone volume to the Page Volume level.



**Note:** Adjusting Zone Volume references the Page Volume level set in Media Zone Paging of the Global Intercom Settings. See Lesson 6, Exercise 1 for more information.

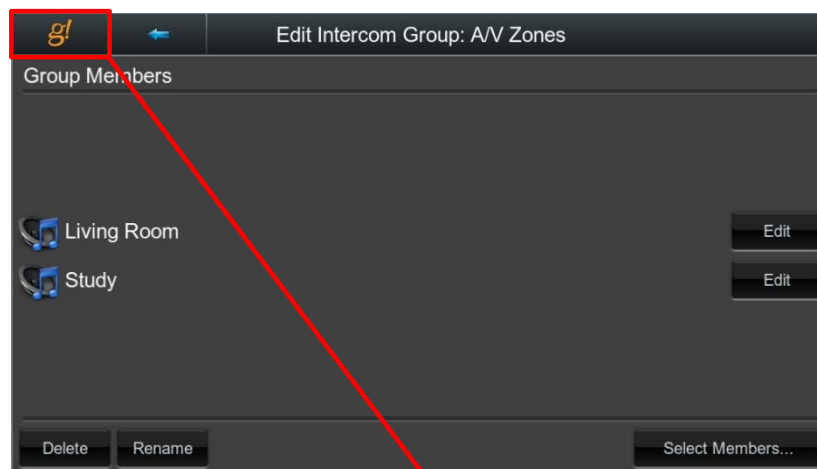
4. Verify the Media Zone settings are correct and press the **Back Arrow** button to return to the Edit Intercom Group: A/V Zones page.



5. Repeat steps 1-4 for each additional Media Zone.



6. When finished select the **g!** button to return to the main Intercom interface.



## Exercise 3: Paging Media Zone Groups

**Overview** Exercise 3 will demonstrate how to make a point-to-point Page Call from an ELAN gTP7, 7" touch panel.

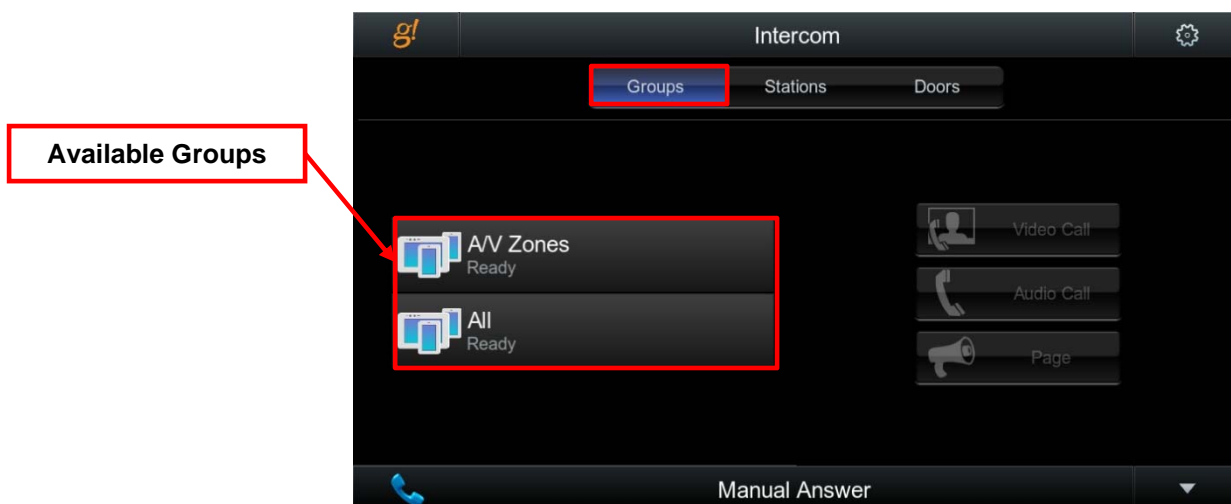
A Page Call may be used to make an audio announcement to a specific intercom station. The intercom station receiving the Page Call may initiate a 2-way audio, or video, call at any time during the page.

**How-to** Initiate a point-to-point page call

1. From the g! Main Menu, select the **Intercom App**.

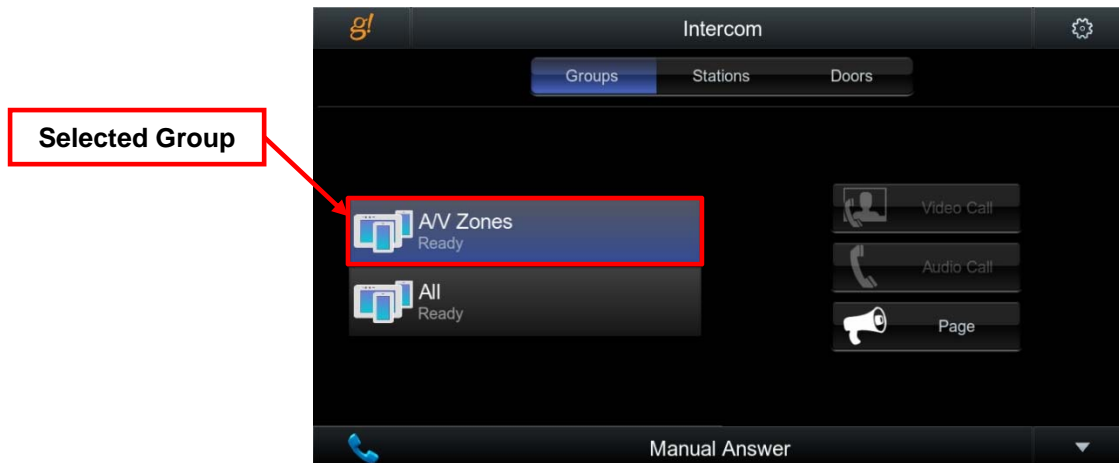


2. Select the **Groups** button to display available Groups.

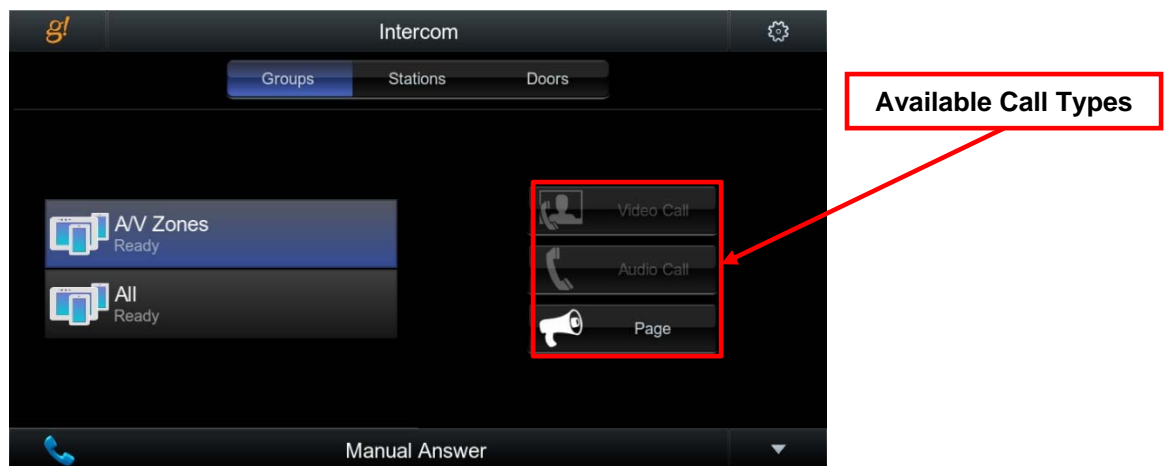


**Note:** Group names displayed may differ.

3. Select the **A/V Zones** Group to initiate a point-to-page call.

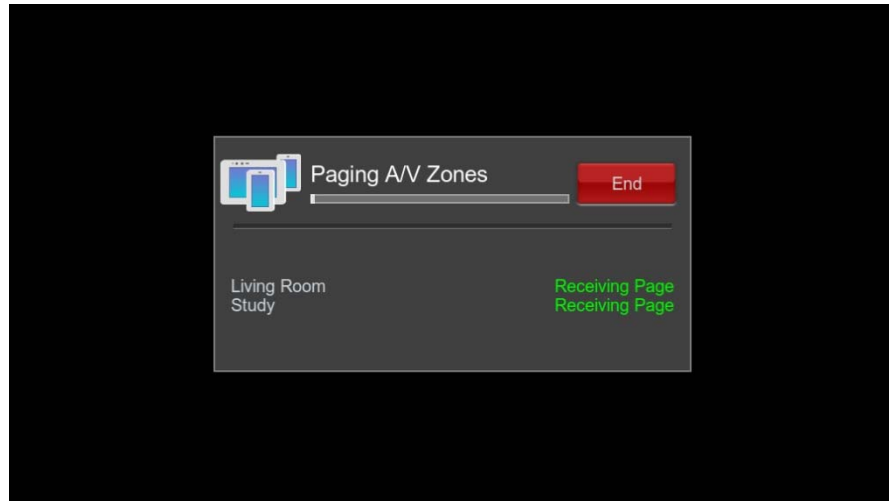


4. Locate the Available Call Types section.



**Note:** Some calling options may be unavailable, greyed out, depending on the intercom stations assigned to the group. Media Zones may only be used for paging.

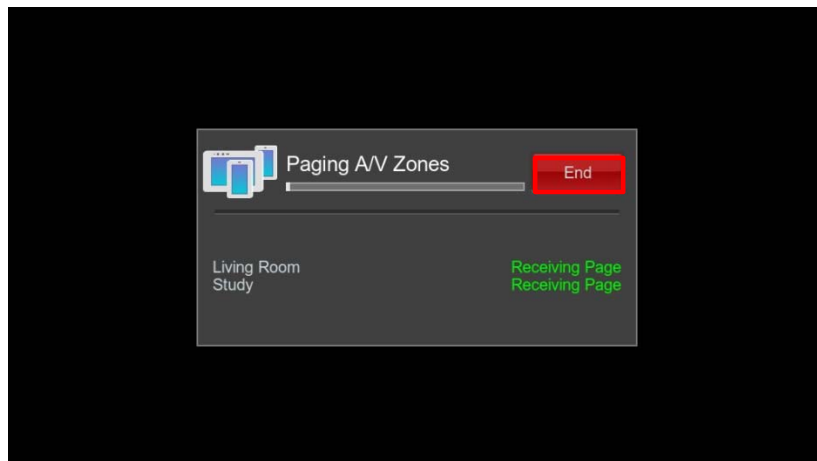
5. Select **Page** to initiate an audio announcement using the built-in microphone on a gTP7, gTP4, PC, or mobile device.



6. The Media Zones will automatically begins playing the Page Audio through the Zone speakers.



7. Select **End** to end the page.





## Exercise 4: Paging OSD Stations

**Overview** The ELAN g1 not only enables the system to use the Whole House Audio speakers for paging Media Zones, but the g1 also allows for paging the On Screen Display created by the g1's HDMI output.

A Page Call is performed locally and may be used to make an audio announcement to a specific intercom station. The OSD station allows 1-way Audio to be broadcast from the TV speakers.

Exercise 4 will demonstrate how to make a point-to-point Page Call from an ELAN gTP7, 7" touch panel.

**How-to** Initiate a point-to-point page call

1. From the g! Main Menu, select the **Intercom App**.

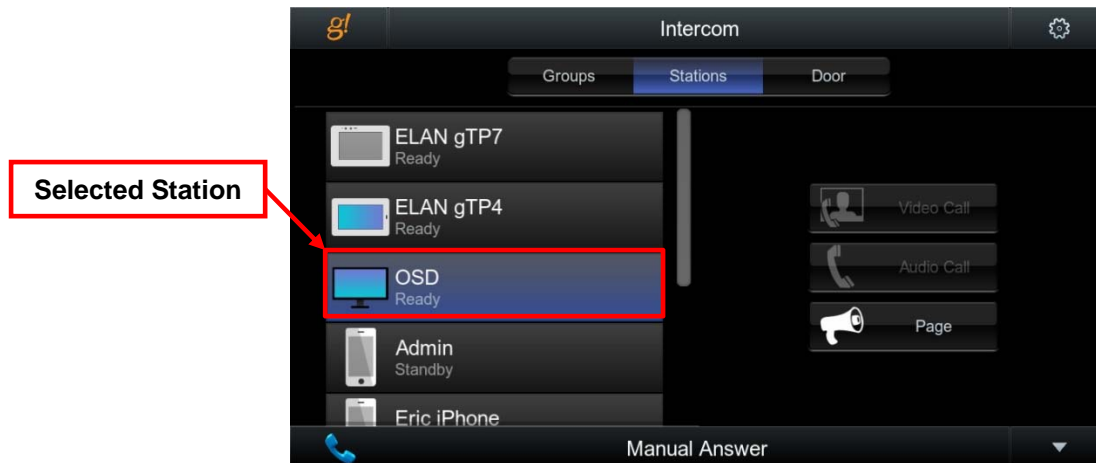


2. Select the **Stations** button to display available Intercom Stations.

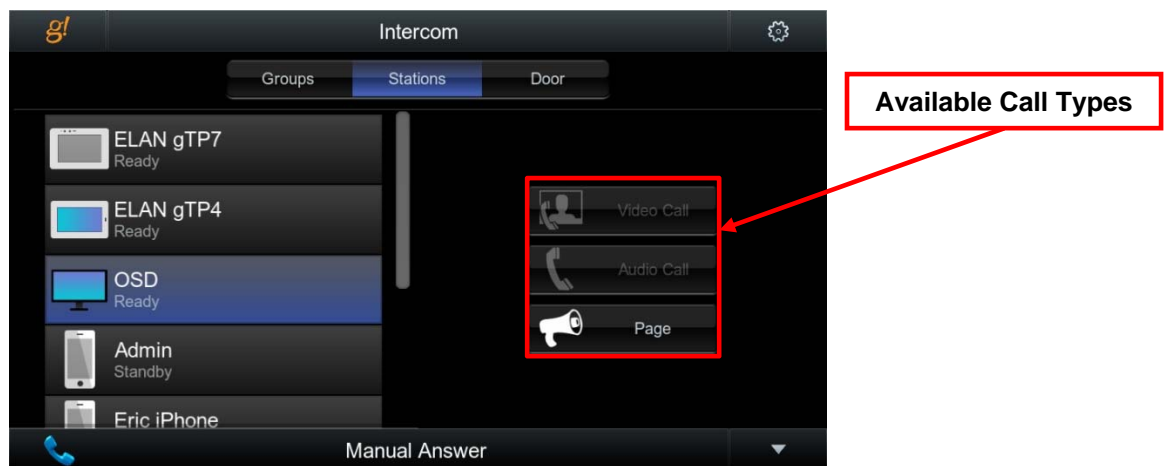


**Note:** Station names displayed may differ.

3. Select the **OSD** station to show available Call Types.



4. Locate the Available Call Types section and select **Page**.



**Note:** Available call options will differ depending on the intercom station selected. OSD stations are used for paging locally only.

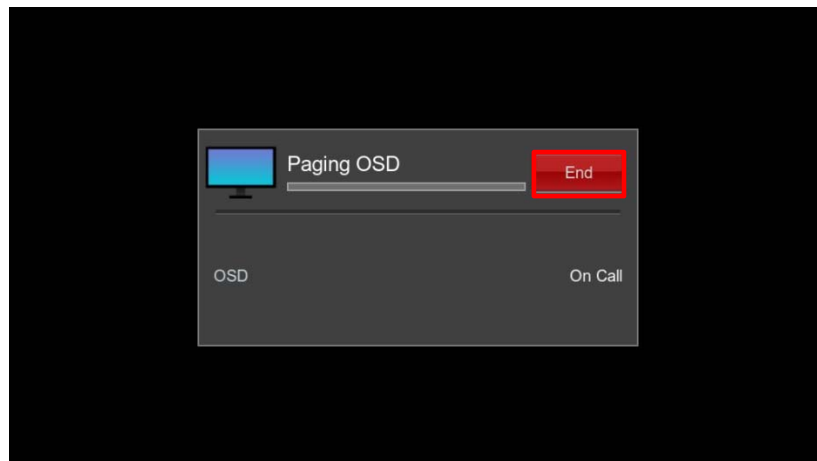
5. Selecting **Page** initiates an audio announcement using the built-in microphone on a gTP7, gTP4, PC, or mobile device.



6. The OSD will automatically begin playing the Page Audio through the TV speakers.



7. Select **End** to end the page.



## Notes:

[illegible]

## Notes:

[illegible]