



**Grandstream Networks, Inc.**

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**UCM6xxx Series – Announcement Center Guide**



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## INTRODUCTION

UCM6xxx series introduced “Announcement Center” feature allowing to initiate calls and play a pre-configured voice prompt to extensions within same group.

When the code and the group number are dialed together in the combination of **code + group** number, the specified voice message is sent to all group members and only extensions in the group will hear the voice message.

Announcement center feature can be used in different scenarios such as in hospitals (Code Blue), companies, supermarkets...

This guide will help to understand announcement center settings, steps needed to configure this feature, how to create and upload custom prompt to be used within the announcement center feature, and gives an example illustrating the utility of this option.

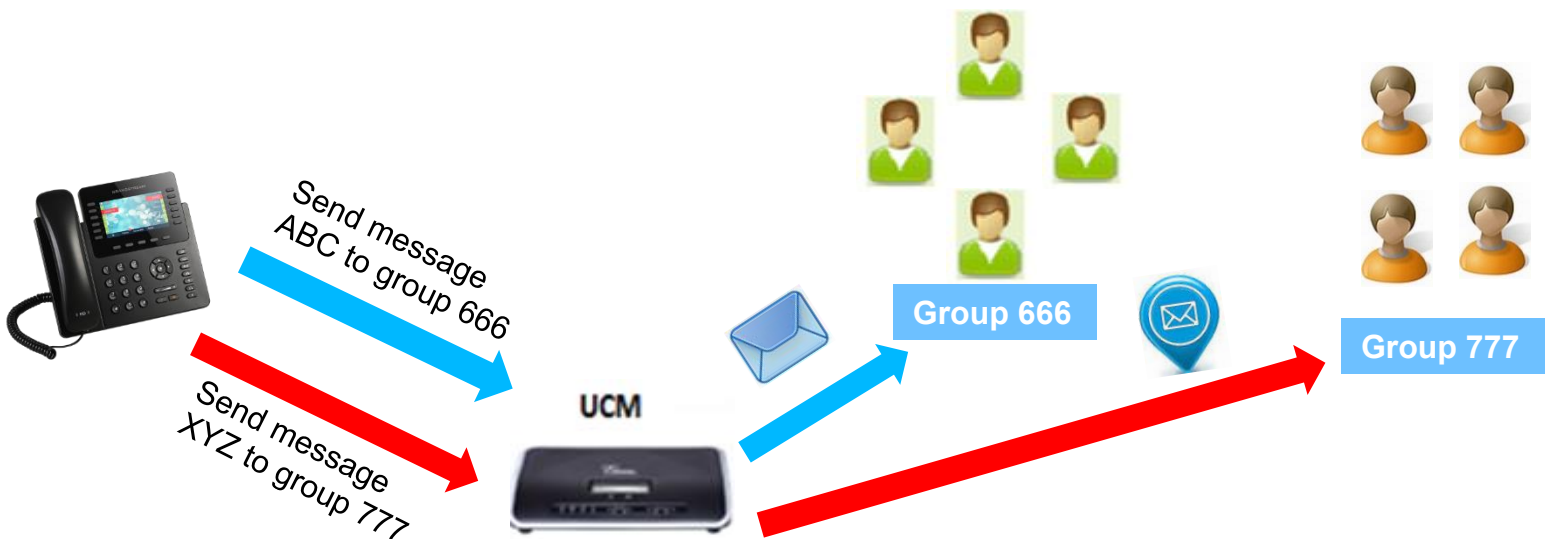
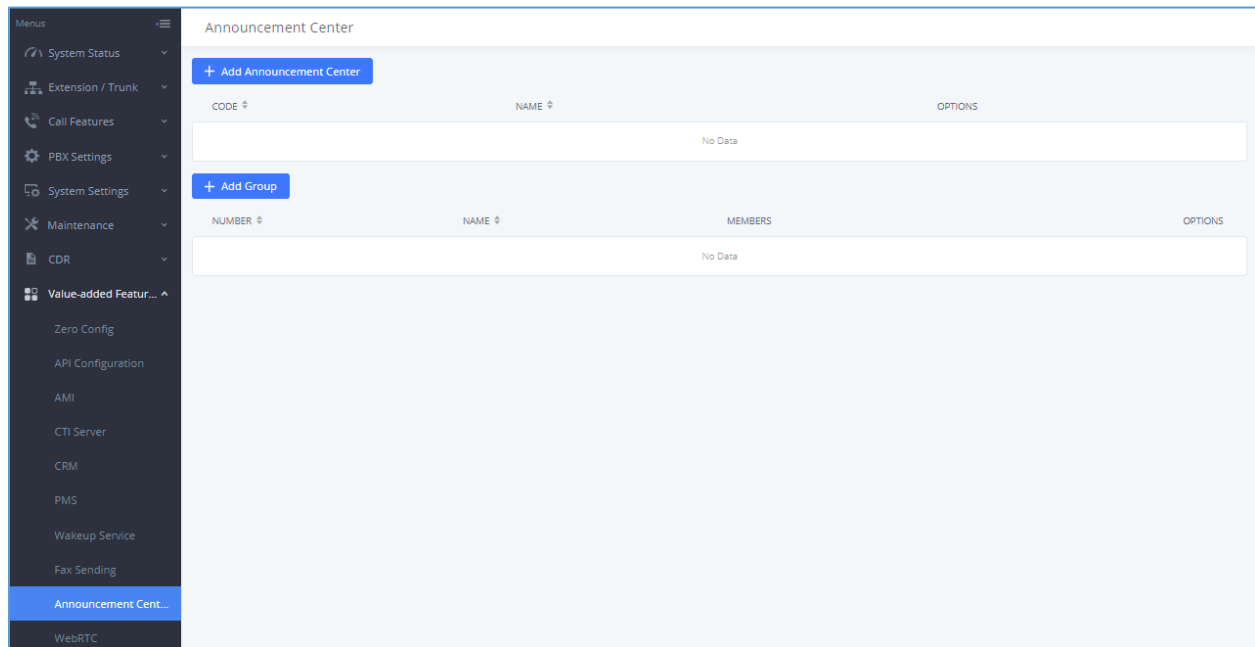


Figure 1: Announcement Center Flow



## ANNOUNCEMENTS CENTER SETTINGS

The announcement center settings are available on the UCM6xxx Web GUI under **Value-added Features** → **Announcement center** as displayed on the figure below:



**Figure 2: Announcement Center Settings**

The following tables describes needed options to configure a new announcement center and a new group.

### Announcements Center Settings

**Table 1: Announcement Center settings**

<b>Name</b>	Configures a name for the newly created Announcements Center to identify this announcement center.
<b>Code</b>	Configures a code number for the custom prompt. This code will be used in combination with the group number. For example, if the code is 55, and group number is 666. The user can dial 55666 to send prompt 55 to all members in group 666. <b>Note:</b> The combination number must not conflict with any number in the system such as extension number or conference number.
<b>Custom Prompt</b>	This option is to set a custom prompt as an announcement to notify group members. The file can be uploaded from page 'Custom Prompt'. Click 'Prompt' to add additional record.
<b>Ring Timeout</b>	Configures the ring timeout for the group members. The default value is 30 seconds.



<b>Auto Answer</b>	Configure either to enable the Auto answer by the members or not.
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## Group Settings

**Table 2: Group Settings**

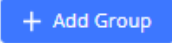
<b>Name</b>	Configure a name for the newly created group to identify the group. <b>Note:</b> Name have a character limit of 64
<b>Number</b>	Configure the group number. The group number is used in combination with the code. For example, if group number is 666, and code is 55. The user can dial 55666 to send prompt 55 to all members in group 666. <b>Note:</b> <ul style="list-style-type: none"> <li>• The combination number must not conflict with any number in the system such as extension number or conference number</li> <li>• Number have a character limit of 64</li> </ul>
<b>Numbers</b>	Select extension to be included on the group.



## CONFIGURING ANNOUNCEMENT CENTER

Please refer to following steps in order to configure the announcement center on the UCM6xxx series:

### Creating New Group:

1. Access the web GUI of your UCM and navigate to PBX→**Value-added Features**→**Announcement Center**
2. Click on  to create new group.
3. Specify the name of the newly created group.
4. Configure group number which it will be used with code to send voice message.
5. Select the extensions to be included in the group, who will receive the voice message.

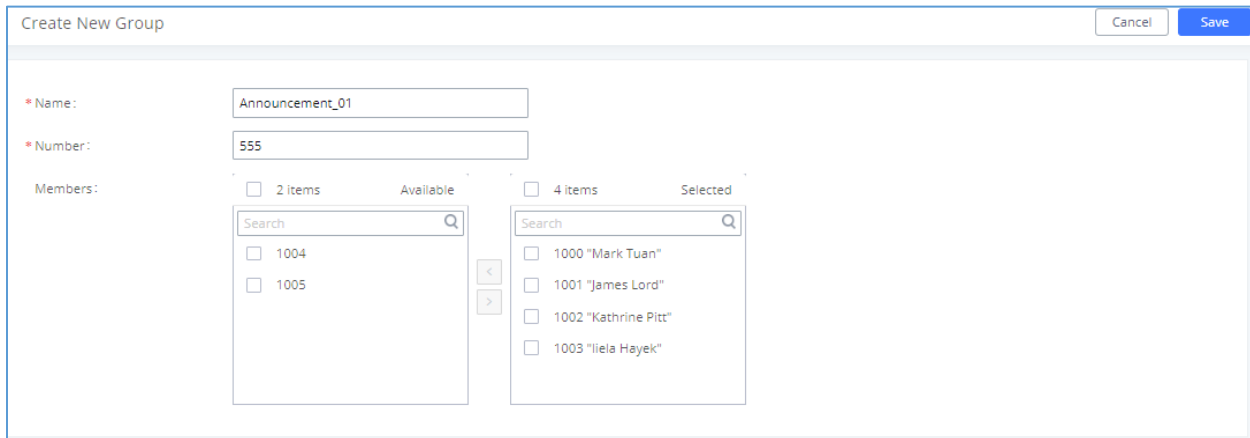
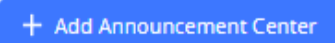


Figure 3: Announcement Center Group Configuration

In the example illustrated on Figure 6, the group “Announcement\_01” has number 555. Extensions 1000, 1001, 1002 and 1003 are in this group.

### Creating New Announcements Center

1. Access the web GUI of your UCM and navigate to PBX→**Value-added Features**→**Announcement Center**
2. Click on  to create a new announcement center.
3. Specify the name to the newly created announcement center.
4. Configures the code which will be used with group number to send the voice message to.
5. Select the message that will be used by the code from the custom prompt drop down menu. To create a new Prompt, please click “Prompt” link and follow the instructions in that page. (Please refer to: [**CREATE CUSTOM PROMPTS FOR ANNOUNCEMENTS CENTER**]).



Edit Announcement Center: Announcement\_1 Save Cancel

\* Name:





\* Code:

\* Custom Prompt:  Prompt

\* Ring Timeout:

**Figure 4: Announcement Center Creation**

Code and Group number are used together to direct specified message to the target group. All extensions in the group will receive the message. For example, we can send code 44 to group 555 by dialing 44555 from any extension registered to the UCM6xxx. All the members in group 555 which are extensions 1000, 1001, 1002 and 1003 will receive this voice message after they pick up the call.

Announcement Center			
<a href="#">+ Add Announcement Center</a>			
CODE	NAME	OPTIONS	
44	Announcement_1	 	
<input type="button" value="&lt;"/> 1 <input type="button" value="&gt;"/>		Total: 1 <input type="text" value="10 / page"/> <input type="text" value="Goto 1"/>	
<a href="#">+ Add Group</a>			
NUMBER	NAME	MEMBERS	OPTIONS
555	Announcement_01	<input type="button" value="1000"/> <input type="button" value="1002"/> <input type="button" value="1001"/> <input type="button" value="1003"/>	 
<input type="button" value="&lt;"/> 1 <input type="button" value="&gt;"/>		Total: 1 <input type="text" value="10 / page"/> <input type="text" value="Goto 1"/>	

**Figure 5: Announcement Center Created**

**Note:** The combination number must not conflict with any number in the system such as extension number or conference number





## ANNOUNCEMENT CENTER EXAMPLE

In a hospital where UCM6xxx is installed, “Announcement Center” feature can be used as “Code Blue” service.

“Code Blue” is mainly used in hospitals to indicate a patient requiring resuscitation or immediate medical attention. Instead of announcing on the speakers that there is an emergency in room XXX and disturb the whole hospital.

Using “Announcement Center” feature on UCM6xxx will allow to dial a code with room number of the patient and hang up, then calls will be initiated (with caller ID as room number) to specified group including doctors, nurses... and once answered, pre-recorded voice messages will be played indicating urgency level and room to go to.

To fulfill these requirements, administrator can create different announcement centers and different groups as follows:

Code	Name	Voice prompt
00	CPR	Immediate attention required - CPR
01	Nurse_requested	Nurse requested
02	Doctor_requested	Doctor requested
03	Consultation	Doctor requested for consultation
04	Emergency	Emergency doctors and nurses requested
...	...	...

Group / Room Name	Extension	Members
Room 201	201	2007,2008,2009
Room 202	202	2009, 3010, 3020
Room 203	203	3002, 3010, 3025
....	...	...
Consultation Room 01 (General)	301	2002, 2010
Consultation Room 02 (Cardio)	302	2003, 2011, 2012
...	...	...
Emergency Room 01	401	2020, 2021, 2030, 2031, 2032, 2033
Emergency Room 02	402	2040, 2041, 2042, 2043
...	...	...

Once configured, users can dial following combinations:

Dial number	Results		
	Caller ID (Room number)	Extensions ringing	Voice prompt played after pickup
<b>00201</b>	201	2009, 2008, 2007	Immediate attention required – CPR
<b>04401</b>	401	2020, 2021, 2030, 2031, 2032, 2033	Emergency doctors and nurses requested
<b>01201</b>	201	2009, 3000, 3002	Nurse requested
<b>03302</b>	302	2003, 2011, 2012	Doctor requested for consultation
...	...	...	...

**Note:** If an extension member of a group picks up the call, other extensions will continue ringing until each extension picks up.

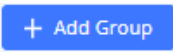


## Configuration Steps

Before configuring the group announcement, administrator needs to record or upload the custom prompts to be played when receiving patient's call.

Please refer to [**CREATE CUSTOM PROMPTS FOR ANNOUNCEMENTS CENTER**] for more details.

### Creating Announcement Group

1. Access the web **GUI**→**Value-added Features**→**Announcement Center**.
2. Click on  to create new announcement group.
3. Configure the name of the group as **"room1"** for example.
4. Set the group number to **"201"** for example.
5. Select the extensions to be included in the group. In this example: extensions 1004 and 1005 as displayed on the following figure.

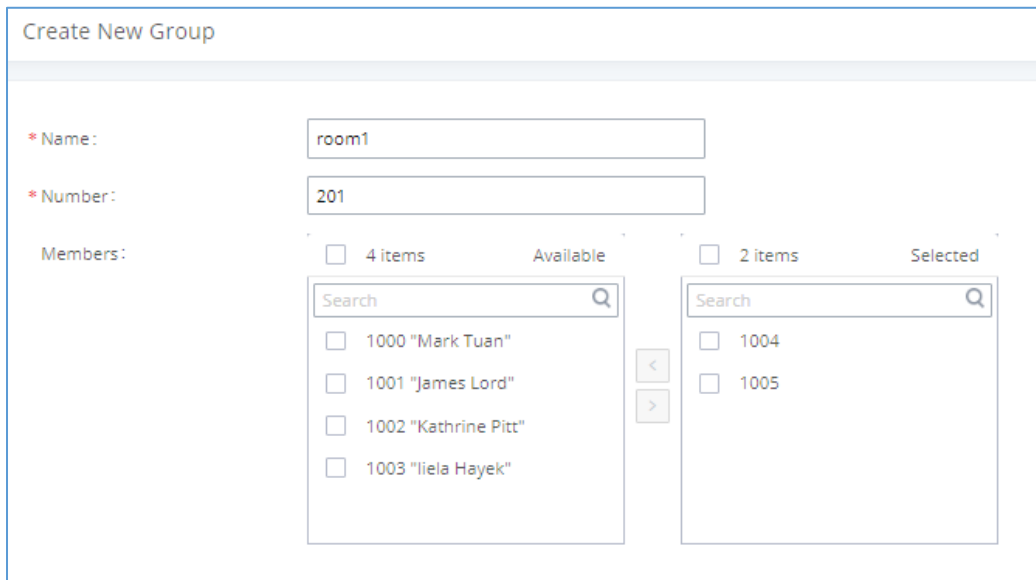
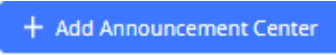


Figure 6: Creating Group Room201

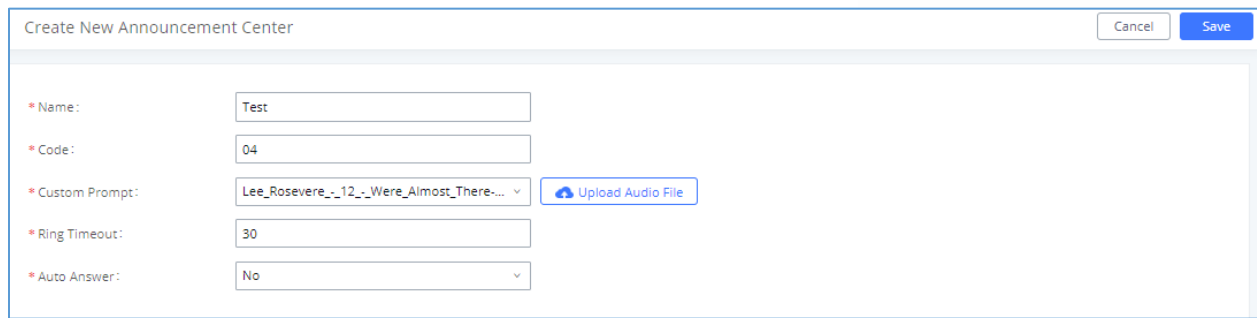
6. Press **Save** button.

Now we have created the announcement group **"room1"** for room 201, we can create other similar groups for the other hospital's rooms using the same steps.

### Creating Announcement Centers

1. Access the Web GUI→**Value-added Features**→**Announcement Center**.
2. Click on  to create a new announcement center.
3. Set the name to the newly created announcement center to **"Test"**.
4. Configure the code **04** which will be used with group number to send the voice message to.
5. Select the voice prompt to use from the custom prompt drop down menu.





Create New Announcement Center

\* Name:

\* Code:

\* Custom Prompt:  [Upload Audio File](#)

\* Ring Timeout:

\* Auto Answer:

**Figure 7: Creating Announcement Center Emergency**

6. Press **Save** button.

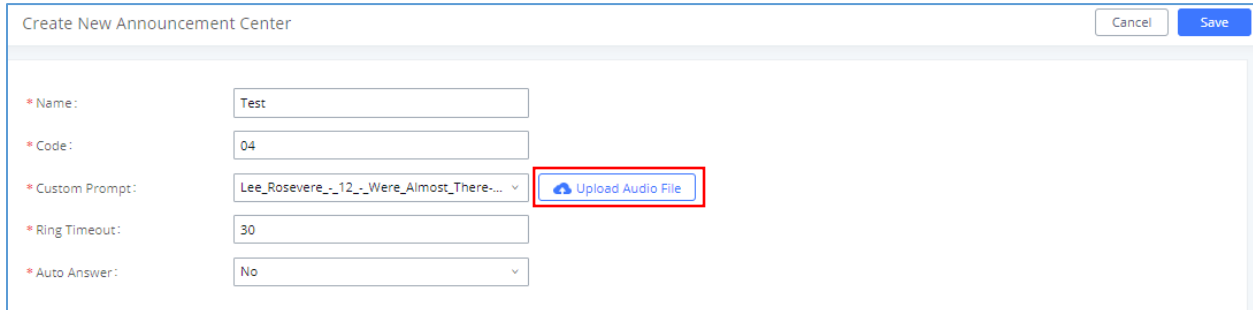
Now we have created the announcement center “**Emergency**” with code **04**, we can create other similar announcement centers using the same steps.



## CREATE CUSTOM PROMPTS FOR ANNOUNCEMENTS CENTER

Prompts on the UCM6xxx can be customized/personalized at customer's convenience by either recoding or uploading new prompts.

Click on "Prompt" option as shown on the following figure to be redirected to "Custom Prompt" page, or go to Web GUI→PBX Settings→Voice Prompt→Custom Prompt page directly.



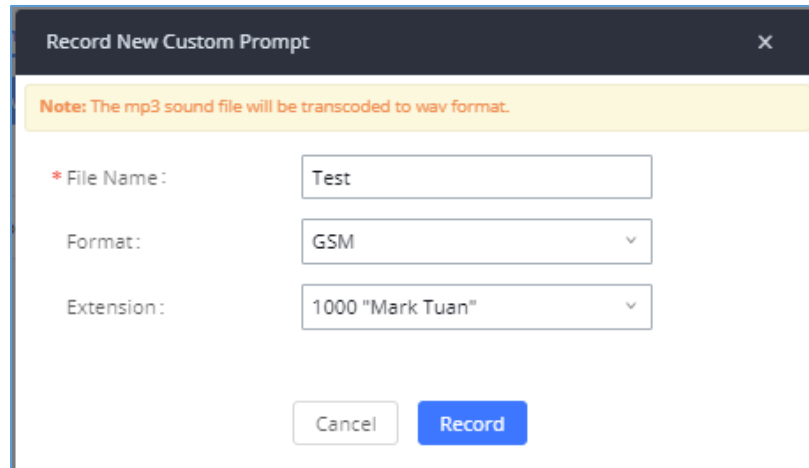
**Figure 8: Create Announcement Prompt**

Once the prompt file (created/uploaded) is successfully added to the UCM6xxx, it will be shown in the prompt list options to select in different announcements scenarios.

## Record New Custom Prompt

In the UCM6xxx web UI→PBX Settings→Voice Prompt→Custom Prompt page, click on "Record New Custom Prompt" and follow the steps below to record new IVR prompt.

1. Specify the custom prompt file name.
2. Select the format (GSM or WAV) for the IVR prompt file to be recorded.
3. Select the "Extension" to receive the call from the UCM6xxx to record the IVR prompt.



**Figure 9: Record New Custom Prompt**

4. Click the "Record" button. A call will be initiated to the selected extension.
5. Pick up the call and start the recording following voice prompts.



- The recorded file will be listed in the IVR Prompt web page (see figure 4). Users could select to re-record, play or delete the recording.

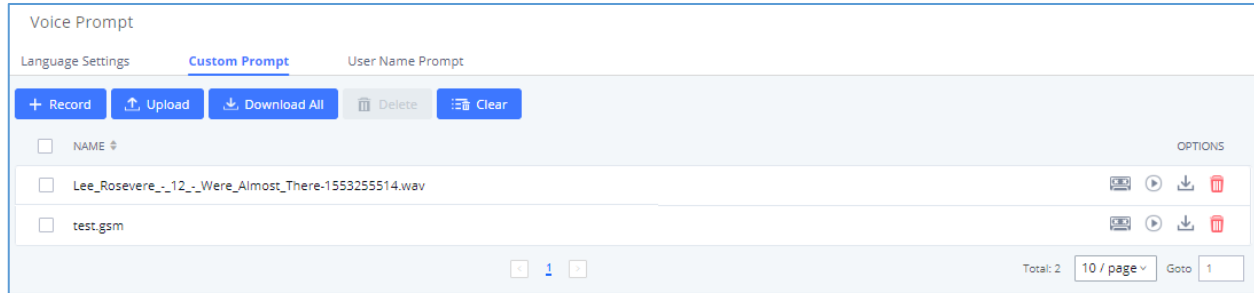


Figure 10: Custom Prompt List

## Upload Custom Prompt

If the user has a pre-recorded IVR prompt file, click on “Upload Custom Prompt” in Web GUI under **PBX→Internal Options→Custom Prompt** page to upload the file to the UCM6xxx.

Following are IVR prompt requirements to be accepted by UCM6xxx series:

- PCM encoded.
- 16 bits.
- 8000Hz mono.
- In .mp3 or .wav format; or raw/ulaw/alaw/gsm file with .ulaw or .alaw suffix.
- File size under 5M.

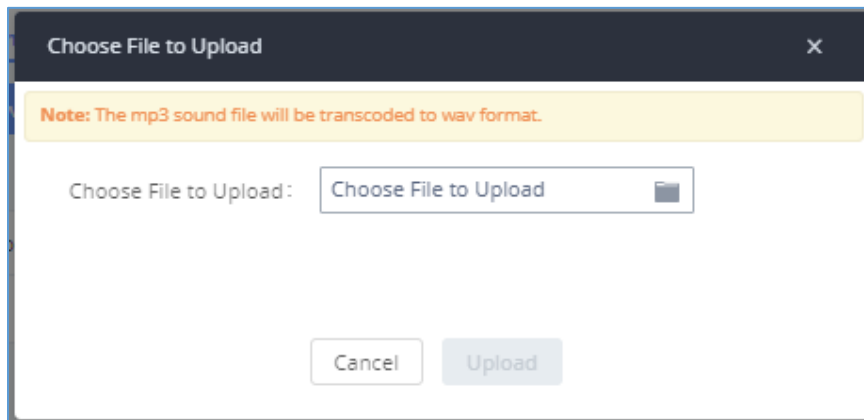


Figure 11: Upload Custom Prompt

Click on “**Choose File Upload**” to select audio file from local PC and click on “**Upload**” start uploading it. Once uploaded, the file will appear in the “Custom Prompt” web page.

