



# Grandstream Networks, Inc.

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UCM6xxx Series

**Conference Guide**



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## INTRODUCTION

The UCM6xxx support call conferencing which increase employee efficiency and productivity, and also provide more cost-effective way to hold business meetings. A variety of conference call features are offered by UCM6xxx including individual management of conference call activity, multiple conference rooms, conference bridge, and conference schedule.

The UCM6xxx supports conference room allowing multiple rooms used at the same time:

- UCM6202/6204 supports up to 3 conference rooms allowing up to 25 simultaneous PSTN or IP participants.
- UCM6208 supports up to 6 conference rooms allowing up to 32 simultaneous PSTN or IP participants.
- The UCM6510 supports Conference rooms allowing 64 participants with up to 8 bridged rooms at the same time.

This document introduces the conference options, conference configurations including joining, inviting, recording during conference and also including Google Calendar schedule.

**Note:** UCM6xxx in this guide refers to UCM62xx and UCM6510 series.

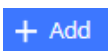



## CONFERENCE CONFIGURATION SETTINGS

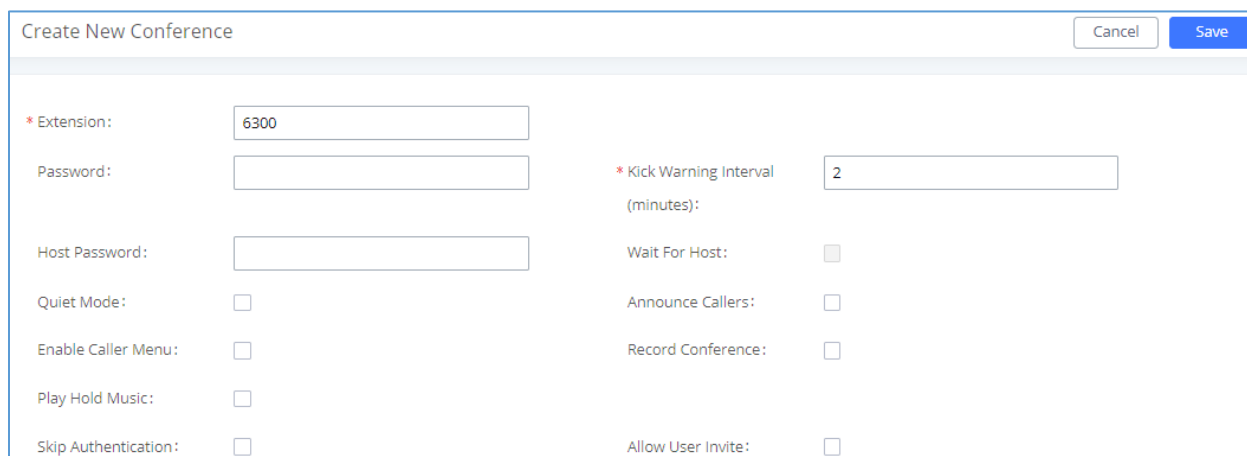
The conference configuration settings are available under **Web GUI→Call Features→Conference** or under **WEB GUI → Call Features → Video Conference** to configure video conference room. Allowing users to create, edit, view, invite, manage the participants and delete conference bridges. The conference bridge status and conference call recordings (if recording is enabled) will be displayed under the same web page as well.

### Create and Edit audio Conference Rooms

To create, edit or delete the conference rooms please refer to following steps:

1. Access the UCM6xxx Web GUI using the administrator username and password.
2. Navigate to Call Features→Conference.
3. Click on  to add a new conference bridge as displayed on figure 1 or click on  to edit the conference bridge.

**Note:** Click on  to delete the conference bridge.



**Figure 1: Creating New Conference Room**

Please refer to following table describing the configuration options available for conference room feature.



## Configure Conference settings

Please refer to following steps in order to configure conference settings:

1. Access the UCM6xxx Web GUI using the administrator username and password.
2. Navigate to Call Features→Conference.
3. Click on “Conference settings”.
4. Configure the DSP Talking/Silence Threshold and enable the talk detection if needed.

The following table describe the conference settings in details:

**Table 1: Conference Configuration Parameters**

<b>Extension</b>	Configure the conference number for the users to dial into the conference. <b>Note:</b> Up to 64 characters.
<b>Password</b>	When configured, the users who would like to join the conference call must enter this password before accessing the conference room. <b>Notes:</b> <ul style="list-style-type: none"> <li>• The password must be at least 4 characters.</li> <li>• Conference extension number can no longer be used as the conference password if Strong Password is enabled.</li> </ul>
<b>Admin Password</b>	Configure the password to join the conference room as administrator. Conference administrator can manage the conference call via IVR (if "Enable Caller Menu" is enabled) as well as invite other parties to join the conference by dialing "0" (permission required from the invited party) or "1" (permission not required from the invited party) during the conference call. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Password must be at least 4 characters and different than conference extension number.</li> </ul>
<b>Enable Caller Menu</b>	If enabled, conference participant could press the * key to access the conference room menu. The default setting is "No".
<b>Record Conference</b>	If enabled, the calls in this conference room will be recorded automatically in a .wav format file. All the recording files will be displayed and can be downloaded in the conference web page. The default setting is "No".
<b>Quiet Mode</b>	If enabled, if there are users joining or leaving the conference, voice prompt or notification tone will not be played. The default setting is "No".



	<b>Note:</b> "Quiet Mode" and "Announce Callers" cannot be enabled at the same time.
<b>Kick Warning Interval (minutes)</b>	If there is only one participant in a conference room, a kick warning prompt will play at the configured interval. If no input from the participant is received after the prompt, he will be automatically kicked out of the conference. The valid range is 1-60 minutes.
<b>Wait For Admin</b>	If enabled, the participants will not hear each other until the conference administrator joins the conference. The default setting is "No". <b>Note:</b> If "Quiet Mode" is enabled, the voice prompt for "Wait For Admin" will not be announced.
<b>Enable User Invite</b>	If enabled, users could press 0 to invite other users (with the users' permission) or press 1 to invite other users (without the user's permission) to join the conference. The default setting is "No". <b>Note:</b> Conference administrator can always invite other users without enabling this option.
<b>Announce Callers</b>	If enabled, the caller will be announced to all conference participants when there the caller joins the conference. The default setting is "No". <b>Notes:</b> <ul style="list-style-type: none"> <li>"Quiet Mode" and "Announce Callers" cannot be enabled at the same time.</li> <li>Conference participant names will be announced when joining/leaving the conference even when the conference is on hold.</li> </ul>
<b>Play Hold Music</b>	If enabled, the UCM will play Hold music when there is only one user in the conference. The default setting is "No".
<b>Customer Music On Hold</b>	Select the music on hold class to be played in conference call. Music On Hold class can be set up under Web GUI→ <b>PBX Settings</b> → <b>Music On Hold</b> .
<b>Skip Authentication</b>	If enabled, the invitation from Web GUI for a conference room with password will skip the authentication for the invited users. The default setting is "No".

**Table 2: Conference Settings**

<b>Enable Neteq</b>	If enabled, conference audio quality may improve, but system performance will be lowered.
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<b>Enable Talk Detection</b>	Enables/disables the talk detection, when enabled the AMI will send the corresponding event when a user starts or ends talking.
<b>DSP Talking Threshold</b>	Configures the time of sound above that the DSP has established as base line silence for a user before is considered to be talking. This value affects several operations and should not be changed unless the impact on call quality is fully understood. The default setting is 128. (Time in milliseconds)
<b>DSP Silence Threshold</b>	Configures the time of sound above that the DSP has established as base line silence for a user before is considered to be silent. This value affects several operations and should not be changed unless the impact on call quality is fully understood. The default setting is 2500. (Time in milliseconds)

## Join A Conference Call


The UCM6xxx allows users to dial the conference bridge extension to join the conference. If the password is required, users need to enter the password to join the conference as a normal user, or enter the admin password to join the conference as administrator.

## Invite Other Parties to Join Conference

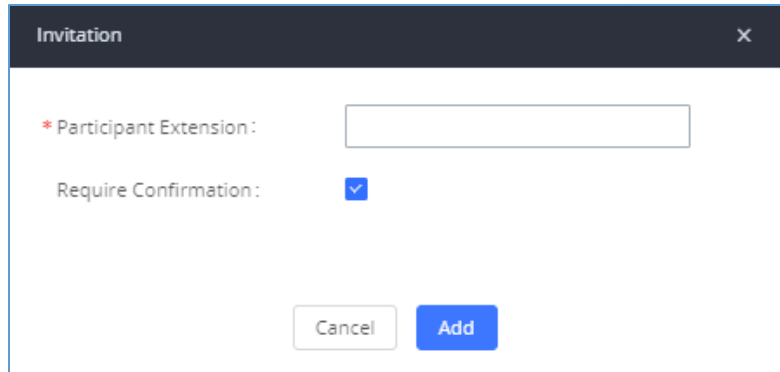
When using the UCM6xxx conference bridge, there are two ways to invite other parties to join the conference.

### Invite from Web GUI

Please refer to following steps in to invite participants to join the conference bridge:

1. Access the UCM6xxx **Web GUI**→**Call Features**→**Conference**.
2. Select the conference room to invite participant.
3. Click on the invite icon  for option "Invite a participant".
4. Enter the number of the party you would like to invite. Then click on "**Add**", a call will be sent to this number to join into the conference.



A screenshot of a web GUI dialog box titled "Invitation" with a close button (X) in the top right corner. The dialog contains two fields: "Participant Extension:" with a text input box, and "Require Confirmation:" with a checked checkbox. At the bottom, there are two buttons: "Cancel" and "Add".

**Figure 2: Conference Invitation from Web GUI**

### **Invite by Dialing 0 or 1 During Conference Call.**

A conference participant can invite other parties to the conference by dialing from the phone during the conference call. Please make sure option "Enable User Invite" is turned on for the conference room first. Enter 0 or 1 during the conference call. Follow the voice prompt to input the number of the party you would like to invite. A call will be sent to this number to join it into the conference.

**0:** If 0 is entered to invite other party, once the invited party picks up the invitation call, a permission will be asked to "accept" or "reject" the invitation before joining the conference.

**1:** If 1 is entered to invite other party, no permission will be required from the invited party.

#### **Note:**

Conference administrator can always invite other parties from the phone during the call by entering 0 or 1. To join a conference room as administrator, enter the admin password when joining the conference. A conference room can have multiple administrators.

## **Manage the Conference Room**




The following steps allow to manage conference rooms using the web GUI or IVR during a conference call.

### **Manage Conference Call from Web GUI**

Access the UCM6xxx web GUI during the conference call, the participants in each conference bridge will be listed.

1. Click on  to kick a participant from the conference.



2. Click on  to mute the participant.
3. Click on  to lock this conference bridge so that other users cannot join it anymore.
4. Click on  to invite other users into the conference bridge.

## Manage Conference Call from IVR

If "Enable Caller Menu" is enabled, conference participant can input \* to enter the IVR menu for the conference. Please see options listed in the table below.

**Table 3: Conference Caller IVR Menu**

Conference Administrator IVR Menu	
1	Mute/unmute yourself.
2	Lock/unlock the conference bridge.
3	Kick the last joined user from the conference.
4	Decrease the volume of the conference call.
5	Decrease your volume.
6	Increase the volume of the conference call.
7	Increase your volume.
8	More options. <ul style="list-style-type: none"> <li>• 1: List all users currently in the conference call.</li> <li>• 2: Kick all non-Administrator participants from the conference call.</li> <li>• 3: Mute/Unmute all non-Administrator participants from the conference call.</li> <li>• 4: Record the conference call.</li> <li>• 8: Exit the caller menu and return to the conference.</li> </ul>
Conference User IVR Menu	
1	Mute/unmute yourself.
4	Decrease the volume of the conference call.
5	Decrease your volume.
6	Increase the volume of the conference call.
7	Increase your volume.
8	Exit the caller menu and return to the conference.

**Note:** The conference bridge configuration cannot be modified, when there is participant in the conference.





The Administrator needs to enable the option “Enable Caller Menu” before inviting participants to join the conference bridge.

## Record Conference

The UCM6xxx allows users to record the conference call and retrieve the recording from **web GUI→Call Features→Conference**.

To record the conference call, when the conference bridge is in idle, enable "Record Conference" from the conference bridge configuration settings. Save the setting and apply the change.

When the conference call starts, the call will be automatically recorded in .wav format. The recording files will be listed under “Conference Recording” as below once available. Users could click on  to download the recording or click on  to delete the recording. Users could also delete all recording files by clicking on “Delete All Recording Files”, or delete multiple recording files at once by clicking on “Delete Selected Recording Files” after selecting the recording files.

Conference					
Conference		Conference Schedule	Contact Group	Google Service Settings	Conference Recordings
<input type="button" value="Download"/> <input type="button" value="Download All"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>		<input type="text" value="Local"/> <input type="text" value="2020-01"/>			
<input type="checkbox"/>	NAME ↕	ROOM ↕	DATE ↕	SIZE ↕	OPTIONS
<input type="checkbox"/>	confbridge-6300-1579689773.wav	6300	2020-01-22 05:43:45 UTC-05:00	804.11 KB	<input type="button" value="Download"/> <input type="button" value="Delete"/>

**Figure 3: Conference Recording**



# CONFERENCE SCHEDULE

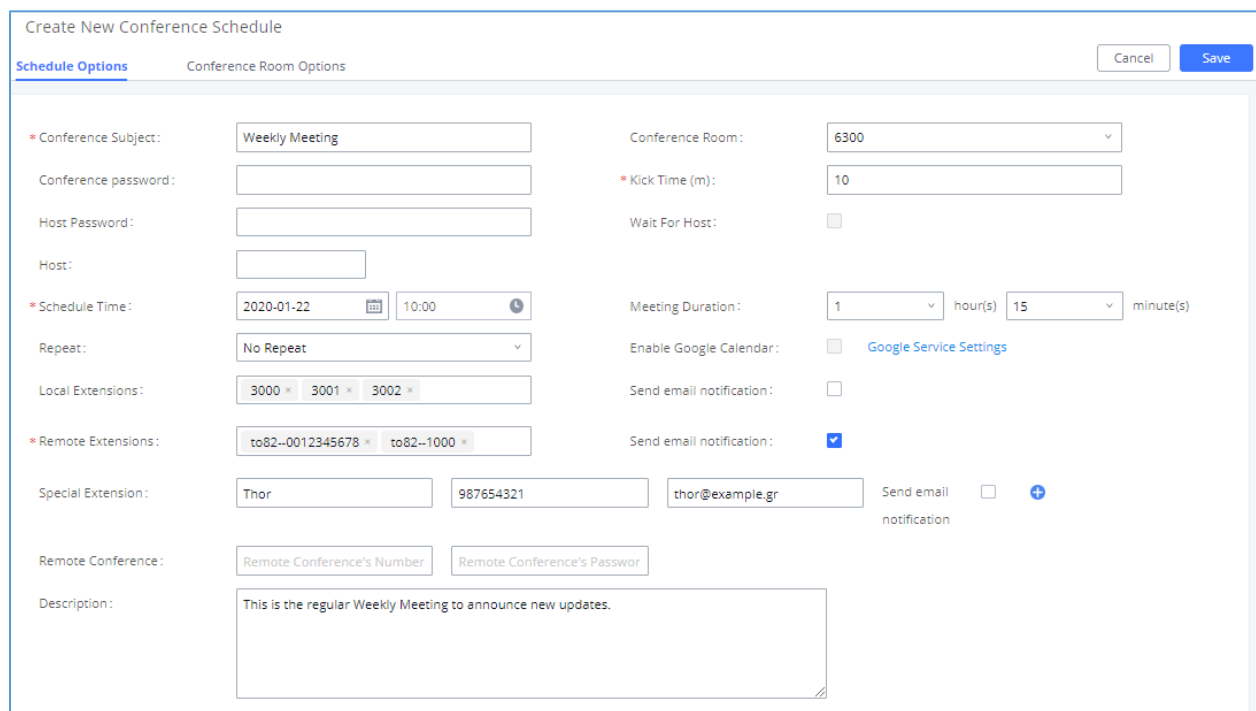
## Conference Schedule Configuration

### Create New Conference Schedule

Conference schedule Settings can be found under UCM6xxx **web GUI**→**Call Features**→**Conference**.

Users can create, edit, view and delete a Conference Schedule.

- Click on **+ Add** to add a new Conference Schedule and configure schedule settings.
- Or click on the scheduled conference to edit or delete the event.



**Figure 4: Conference Schedule Options**

More advanced options such as configuring password, quiet mode, recording conference, announcing callers and others are available under “Conference Room Options” section.



Create New Conference Schedule
 Cancel Save

Schedule Options
 Conference Room Options

Quiet Mode: ☒

Enable Caller Menu: ☐

Play Hold Music: ☒

Skip Authentication: ☒

Announce Callers: ☐

Record Conference: ☒

Custom Music On Hold:

Allow User Invite: ☒

**Figure 5: Create New Conference Schedule → Conference Room Options**

The following table describes the conference schedule settings:

**Table 4: Conference Schedule Parameters**

Schedule Options	
<b>Conference Subject</b>	Configure the name of the scheduled conference. Letters, digits, _ and - are allowed.
<b>Conference Room</b>	Select a conference room for this scheduled conference.
<b>Conference Password</b>	Conference login password.
<b>Host Password</b>	Host Password.
<b>Kick Time(m)</b>	<p>Set kick time before conference starts. When kick time is reached, a warning prompt will be played for all attendees in the conference room. After 5 minutes, this conference room will be cleared and locked for the scheduled conference to begin.</p> <p><b>Note:</b> Kick Time cannot be less than 6 minutes in order to clear the conference room.</p>
<b>Wait for Host</b>	<p>If enabled, conference participants will not hear each other until the host joins the conference.</p> <p>Note: If Quiet Mode is enabled, the voice prompt for this option will not be played.</p>
<b>Host</b>	Select the extension of the conference's host.
<b>Description</b>	The description of scheduled conference.
<b>Repeat</b>	Repeat interval of scheduled conference. By default, set to single event.
<b>Schedule Time</b>	<p>Configure the beginning date and duration of scheduled conference.</p> <p><b>Note:</b> Please pay attention to avoid time conflict on schedules in the same conference room.</p>
<b>Meeting Duration</b>	<p>Duration of the conference meeting.</p> <p><b>Note:</b> The maximum allowed meeting duration that can be set is 8 hour(s).</p>
<b>Enable Google Calendar</b>	Select this option to synchronize scheduled conference with Google



	<p>Calendar.</p> <p><b>Note:</b> Google Service Setting OAuth2.0 must be configured on the UCM6xxx. Please refer to section <b>[Synchronize Conference Schedule with Google Calendar]</b>.</p>
<b>Send email notification</b>	Sends Email notification to the extension.
<b>Local Extension</b>	Select available extensions from the list to attend scheduled conference.
<b>Remote Extension</b>	<p>Select available extensions from the remote peer PBX.</p> <p><b>Note:</b> “LDAP Sync” must be enabled on the UCM in order to view remote extensions here.</p>
<b>Special Extension</b>	Add extensions that are not in the list (both local and remote list). If the user wishes to add the special extension, please match the pattern on the outbound route.
<b>Remote Conference</b>	Invite a remote conference.
<b>Conference Room Options</b>	
<b>Enable Caller Menu</b>	If this option is enabled, conference participants will be able to access conference room menu by pressing the * key.
<b>Record Conference</b>	<p>If this option is enabled, conference call will be recorded in .wav format. The recorded file can be found from <b>Conference</b> page.</p>
<b>Quiet Mode</b>	<p>If this option is enabled, the notification tone or voice prompt for joining or leaving the conference will not be played.</p> <p><b>Note:</b> Option “Quiet Mode” and option “Announce Caller” cannot be enabled at the same time.</p>
<b>Enable User Invite</b>	<p>If this option is enabled, the user can:</p> <ul style="list-style-type: none"> <li>• Press ‘0’ to invite others to join the conference with invited party’s permission</li> <li>• Press ‘1’ to invite without invited party’s permission</li> <li>• Press ‘2’ to create a multi-conference room to another conference room</li> <li>• Press ‘3’ to drop all current multi-conference rooms</li> </ul> <p><b>Note:</b> Conference Administrator is always allowed to access this menu.</p>



<b>Announce Callers</b>	<p>If this option is enabled, when a participant joins the conference room, participant's name will be announced to all members in the conference room.</p> <p><b>Note:</b> Option "Quiet Mode" and option "Announce Caller" cannot be enabled at the same time.</p>
<b>Play Hold Music</b>	<p>If this option is enabled, UCM will play Hold Music while there is only one participant in the conference room or the conference is not yet started.</p>
<b>Skip Authentication</b>	<p>If this option is enabled, the invitation from Web GUI via a trunk with password will not require authentication.</p> <p><b>Note:</b> Please be aware of the potential security risks when turning on this option.</p>

## Cleaner Options

The cleaner options allow users to automatically clean up configured conference schedule, please refer to following table describing the cleaner parameters.

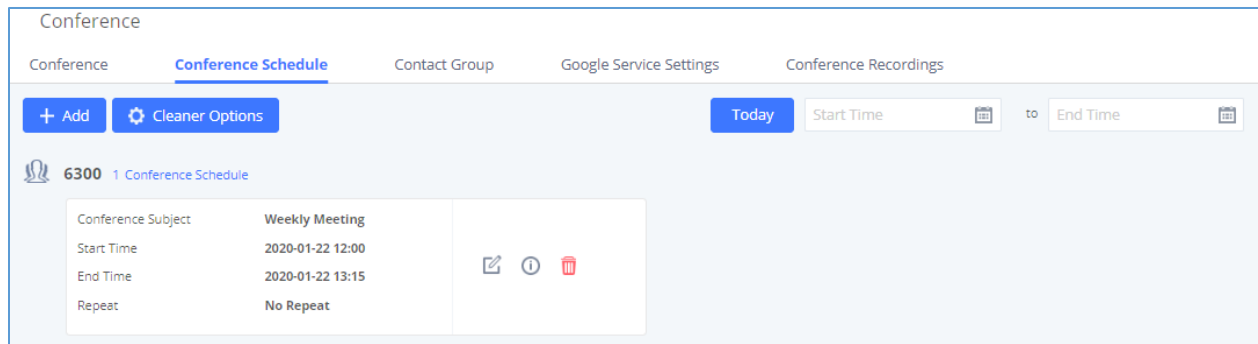
Cleaner Options	
<b>Enable Conference Schedules Cleaner</b>	If this option is enabled, conference schedules will be automatically cleaned as configured.
<b>Conference Schedules Clean Time</b>	Enter the clean time (in hours). The valid range is from 0 to 23.
<b>Clean Interval</b>	Enter the clean interval (in days). The valid range is from 1 to 30.

## Show/hide Conference Schedule Table

Enable this option will allow Web GUI to display scheduled conference in Conference Schedule Table. Please see figure below.







**Figure 6: Conference Schedule**

Once the conference room is scheduled, at the kick time, all users will be removed from conference room and no extension is allowed to join the conference room anymore. At the scheduled conference time, UCM will send INVITE to the extensions that have been selected for conference.

**Note:**

- Please make sure that outbound route is properly configured for remote extensions to join the conference.
- Once Kick Time is reached, Conference Schedule is locked and cannot be modified.

## Contact Group

Users can quickly invite multiple participants at once to a conference via conference contact groups. Up to 5 contact groups can be created. The maximum allowed number of contacts per group is based on the UCM model's conference participant limit: 25 for 6202/6204, 32 for 6208, 64 for 6510.

Each contact group must have a password configured, which will be required when inviting the specified contact group to a conference. Additionally, an audio file can be uploaded to each group to be used to announce the contact group name such as "Sales" or "Marketing". The default announcement for each group is "Conference Contact Group 1", "Conference Contact Group 2", etc.



Create New Contact Group

Normal

Name:

Sales

Password:

98765

Prompt:

Default

Upload Audio File

Members ( 6 )

Type:

☐ Extensions
 ☒ Self-defined

Number:

Name:

Add

Cancel

NUMBER	NAME	TYPE	OPTIONS
1001	1001	Extensions	<div></div> <div></div> <div></div> <div></div> <div></div>
1002	1002	Extensions	<div></div> <div></div> <div></div> <div></div> <div></div>

Figure 7: Contact Group Parameters

## Contact Group Configurations



- Click on "Create New Contact Group" to add a new Contact Group.
- Click on  to edit the Contact Group.
- Click on  to delete the Contact Group.

Table 5: Contact Group Parameters



<b>Name</b>	Name associated to the contact group.
<b>Password</b>	Password required to invite the specified contact group to a conference.
<b>Prompt</b>	Audio file that can be uploaded to the group to announce the contact group name such as "Sales" or "Marketing". The <b>default</b> announcement for each group is "Conference Contact Group 1", "Conference Contact Group 2", etc.
<b>Members</b>	Contacts that needs to be added in each group.
<b>Type</b>	Type of the members to be added, it can be either <b>Extensions</b> or a <b>self-defined number</b> .



## Conference Recordings

The UCM allows users to record the conference call and retrieve the recording from Web GUI→**Call Features**→**Conference**.

To record the conference call, when the conference room is in idle, enable "Record Conference" from the conference room configuration dialog. Save the setting and apply the change. When the conference call starts, the call will be automatically recorded in .wav format.

The recording files will be listed as below once available. Users could click on  to download the recording or click on  to delete the recording.








Conference					
Conference		Conference Schedule	Contact Group	Google Service Settings	Conference Recordings
<div>  Download            Download All            Delete            Clear           <div>Local <span>▼</span></div> <div>2020-01 </div> </div>					
<input type="checkbox"/>	NAME ↕	ROOM ↕	DATE ↕	SIZE ↕	OPTIONS
<input type="checkbox"/>	confbridge-6300-1579689773.wav	6300	2020-01-22 05:43:45 UTC-05:00	804.11 KB	 

Figure 8: Conference Recording

## Conference Call Statistics

Conference reports will now be generated after every conference. These reports can be exported to a .CSV file for offline viewing. The conference report page can be accessed by clicking on the Call Statistics button on the main Conference page.




Menus	Conference					
	Conference		Conference Schedule	Contact Group	Google Service Settings	Conference Recordings
	Note: The Multi-Conference Bridge can be created between two rooms on the same UCM or different UCMs. If bridging between two UCMs, the UCMs must be Analog trunks and Digital trunks are not supported.					
	<div>  Add            Conference Settings            <b>Call Statistics</b> </div>		Enable CEI Notify <input type="checkbox"/>			
	ROOM	ATTENDEE	ADMINISTRATOR	START TIME	ACTIVITY	
	▶ 6300	0	0		--	

Figure 9: Conference Call Statistics



< Call Statistics

[Download](#)
[Delete Report](#)
[Scheduled Export](#)

2019-12-01 to 2019-12-12 [Filter](#)

CONFERENCE 6300
 START TIME 2019-12-12 06:55:10
 DURATION 00:00:27

1004 1004 Received Answered  
Name Number Admission Mode State

Figure 10: Conference Report on Web

	A	B	C	D	E	F	G
1	Room	Start Time	Duration Time				
2	6301	11/7/2019 16:12	0:01:16				
3	Contact Number	Name	Way	Status	Contact Group Name		
4	1002	Conference invitatio	INVITE	FAILURE	Sales		
5	1005	Conference invitatio	INVITE	FAILURE	Sales		
6	1004	Conference invitatio	INVITE	FAILURE	Sales		
7	1003	Conference invitatio	INVITE	FAILURE	Sales		
8	1001	1001	CALLIN	ANSWER			

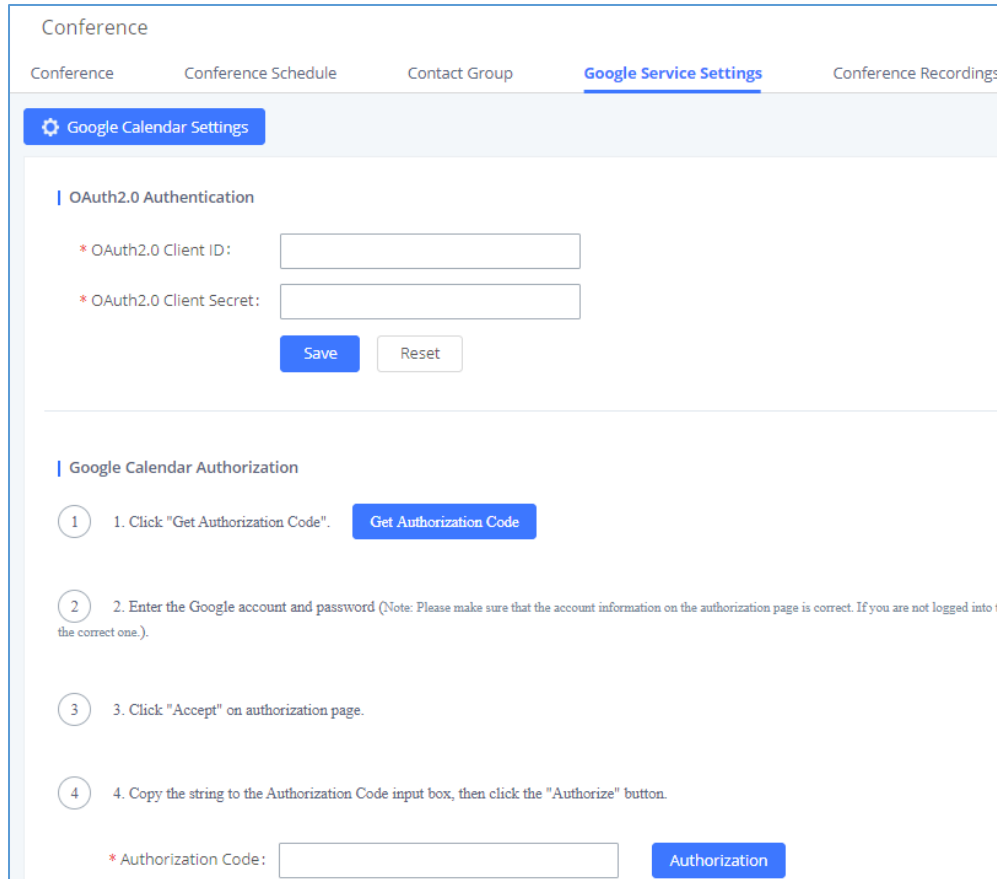
Figure 11: Conference Report on CSV

## Synchronize Conference Schedule with Google Calendar

There are two ways to authorize the synchronization of the conference schedule with the google calendar of your account:

- OAuth2.0 Authentication
- Google Calendar Authorization





Conference

Conference Conference Schedule Contact Group **Google Service Settings** Conference Recordings

Google Calendar Settings

OAuth2.0 Authentication

\* OAuth2.0 Client ID:

\* OAuth2.0 Client Secret:

Save Reset

Google Calendar Authorization

1. Click "Get Authorization Code". [Get Authorization Code](#)
2. Enter the Google account and password (Note: Please make sure that the account information on the authorization page is correct. If you are not logged into the correct one.).
3. Click "Accept" on authorization page.
4. Copy the string to the Authorization Code input box, then click the "Authorize" button.

\* Authorization Code:  [Authorization](#)

**Figure 12: Google Calendar Authorization**

## OAuth2.0 Authentication

Please refer to following steps:

1. Go to the Google Developers Console (<https://console.developers.google.com/project>).
2. Select a project or create a new one.
3. In the sidebar on the left, expand APIs & auth. Next, click APIs.
4. Select the enabled APIs link in the API section to see all the enabled APIs. Make sure that "calendar API" is on the list of enabled APIs. If you have not enabled it, select API from the list of APIs, then select the enable API button for the API.
5. In the sidebar on the left, select "Credentials". Click "Create New Client ID".
6. Select the installed application type for your project and enter any additional information required. Click create Client ID.
7. Copy the "OAuth2.0 Client ID" and "OAuth2.0 Client Secret" to the UCM6xxx's web GUI under **Call Features → Conference → Google Service Settings**, and click "SAVE".



## Google Calendar Authorization

Please refer to following steps:

1. Access the UCM6xxx web GUI → **Call Features** → **Conference** → **Google Service Settings**.
2. Click "**Get Authorization Code**" to obtain authentication code from Google Service.
3. Enter the Google account and password (Note: please make sure the account on authorization page is correct, if you have logged in other account, please log out then log in again).
4. Click "Accept" on authorization page.
5. Copy the strings returned by Google authentication server under "**Authorization code**" input field, and click the "**Authorization**" button.

Once the google account is authorized, it will be displayed under "**Authorized Account**" and it will be connected with Google Service.

**Important:** Users can also configure the Status update, which refresh automatically your Google Calendar with the configured time (m). (**Note:** "Zero" means disable).

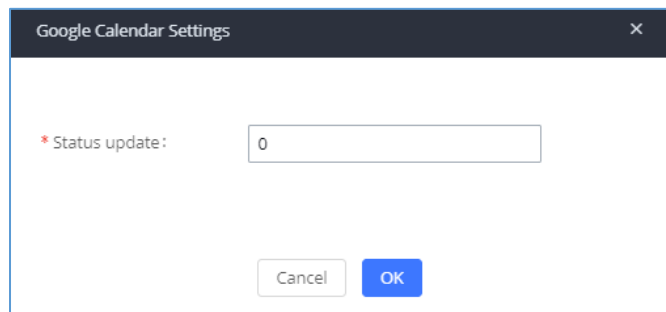


Figure 13: Google Calendar Settings



## MULTIPLE CONFERENCE BRIDGES

The UCM6xxx support multiple conference bridges between different conference (remote or local) rooms to essentially bridge two conference rooms together reducing bandwidth usage as displayed on the following diagram illustration a conference bridge between two UCMs in a peered scenario.

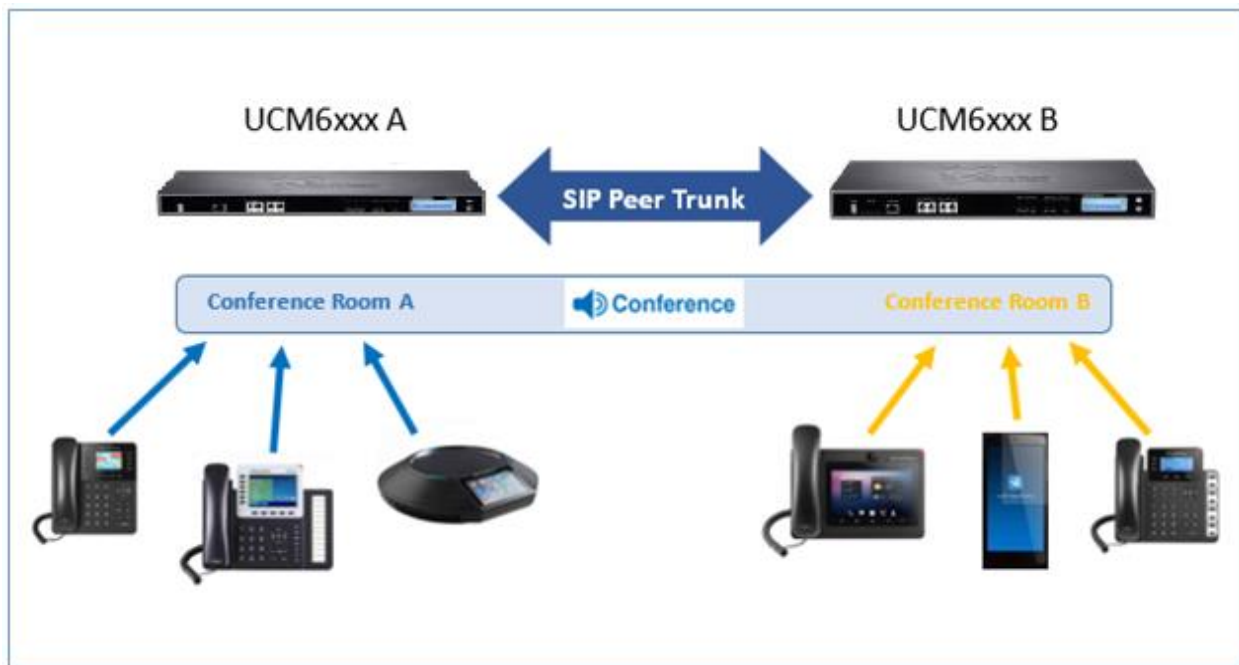

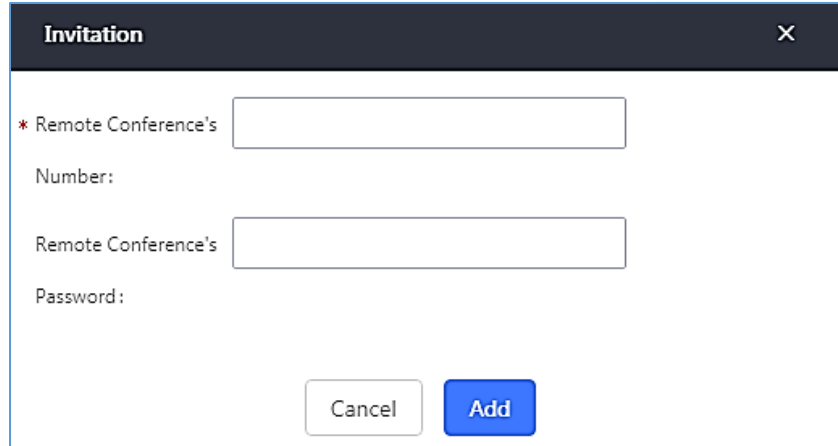


Figure 14 : Peering Scenario

Please refer to following steps in order to invite a conference room to join the conference call:

1. Access the UCM6xxx **Web GUI**→ **Call Features**→**Conference**.
2. Select the conference room to invite participants.
3. Click on the conference room invite icon  for option "Invite Conference Room".
4. Enter the remote conference's number that you would like to invite and its appropriated password.  
**Note:** Users can also invite a local conference room to join the conference call by adding its room number under "Remote Conference's Number" field.
5. Click on "**Add**", a call will be sent to this number to join into the conference.





**Invitation** [X]

\* Remote Conference's [ ]

Number:

Remote Conference's [ ]


Password:

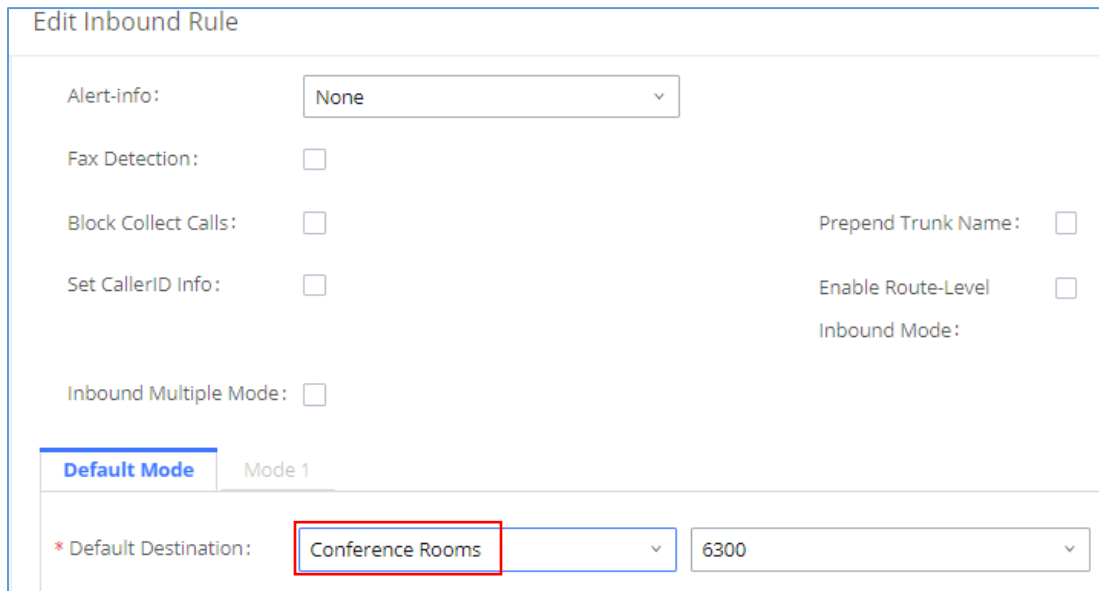
[Cancel] [Add]

**Figure 15: Remote Conference Room Invitation**

**Important notes:**

For the peered trunks, users need to do the following on both UCM6xxx peered:

1. Enable Sync LDAP feature.
2. Configure the Sync LDAP Port and password.
3. Set the LDAP outbound rules under VoIP Trunk > Advanced settings.
4. Synchronize the LDAP by click on Sync LDAP  under VoIP Trunk Settings.
5. Configure the inbound routes and set the default destination to "Conference Rooms" and select the conference room number.



**Edit Inbound Rule**

Alert-info: [None v]

Fax Detection: ☐

Block Collect Calls: ☐

Set CallerID Info: ☐

Inbound Multiple Mode: ☐

Prepend Trunk Name: ☐

Enable Route-Level: ☐

Inbound Mode:

**Default Mode** | Mode 1

\* Default Destination: [Conference Rooms v] [6300 v]



**Figure 16: Inbound Route**



## Video Conference

With the UCM you can easily create, schedule, manage, and join video conference calls, from your desktop or laptop computer. UCM Video conferencing uses WebRTC technology, so all the participants don't have to download and install any additional software or plugins. If upgrading from firmware that does not have this functionality, system administrators must first toggle on the Enable WebRTC option for extensions that want to use the UCM's WebRTC video conferencing feature. The video conference configurations can be accessed under Web GUI → **Call Features** → **Video Conference**. Here, users can create and manage video conference rooms and schedule video conferences.

### Video Conference Room Configurations

- Click on "Create New Conference Room" to add a new conference room.
- Click on  to edit the conference room.
- Click on  to delete the conference room.

**Table 6: Video Conference Room Configuration Parameters**

<b>Extension</b>	Configure the conference number for the users to dial into the conference. <b>Note:</b> Up to 64 characters.
<b>Password</b>	When configured, the users who would like to join the conference call must enter this password before accessing the conference room. <b>Note:</b> <ul style="list-style-type: none"> <li>• Only digits are allowed.</li> <li>• The password has to be at least 4 characters. All repetitive and sequential digits (e.g., 0000, 1111, 1234 and 2345) or common digits (e.g., 111222 and 321321) are not allowed.</li> </ul>



## Conference Settings

### Conference Settings

Video Conferencing: ☒

\* Bind UDP Port:

Packet Loss Retransmission: OFF ▼

FEC: ☐

Enable Talk Detection: ☒

\* DSP Talking Threshold:

\* DSP Silence Threshold:

Figure 17 : Video Conference Basic settings

Table 7: Video Conference Basic Settings

Basic Settings	
<b>Video Conferencing</b>	This option should be enabled in order to activate the Video Conference feature.
<b>Bind UDP Port</b>	Configure the UDP port number for MCM. The standard UDP port for MCM is 5062.
<b>Packet Loss Retransmission</b>	Configure to enable Packet Loss Retransmission.
<b>FEC</b>	If enabled, the Forward Error Correction (FEC) will be activated. The default setting is "No".
<b>Enable Talk Detection</b>	If enabled, the AMI will send the corresponding event when a user starts or stops talking.
<b>DSP Talking Threshold</b>	The amount of time (ms) that sound exceeds what the DSP has established as the baseline for silence before a user is considered to be talking. This value affects several operations and should not be changed unless the impact on call quality is fully understood.



<b>DSP Silence Threshold</b>	The amount of time(ms) that sound falls within what the DSP has established as the baseline for silence before a user is considered be silent. This value affects several operations and should not be changed unless the impact on call quality is fully understood.
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## Conference Schedule

Conference Schedule can be found under UCM **Web GUI → Call Features→Video Conference → Conference Schedule**. Users can create, edit, view and delete a Conference Schedule.

- Click on “Schedule New Conference” to add a new Conference Schedule.
- Click on the scheduled conference to edit or delete the event.

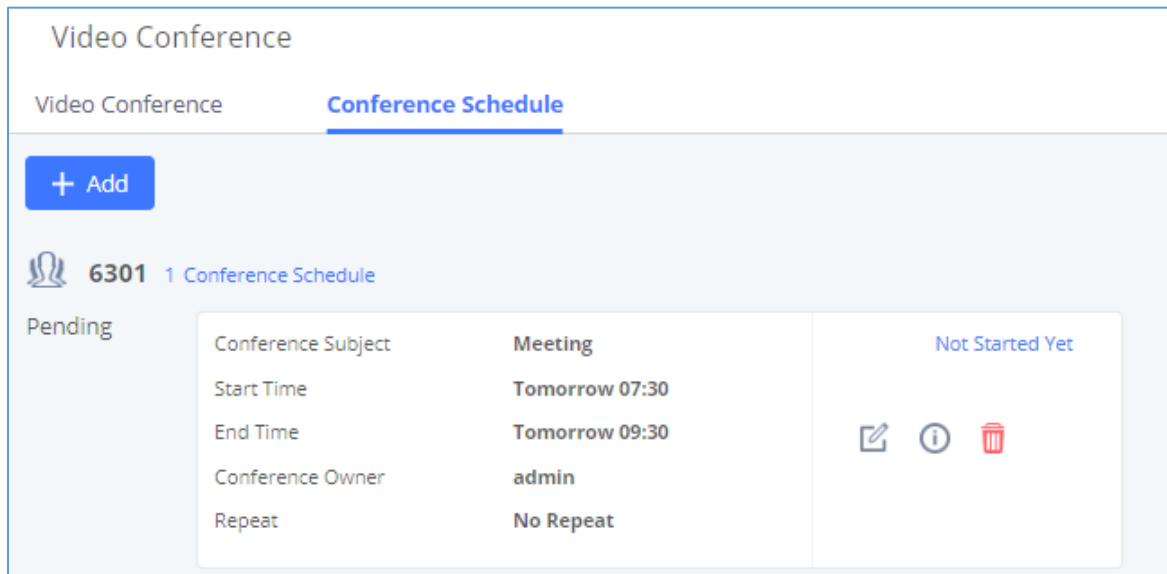
**Table 8: Video Conference Schedule Parameters**

Schedule Options	
<b>Conference Subject</b>	Configure the topic of the scheduled conference. Letters, digits, _ and - are allowed.
<b>Conference Room</b>	Select a conference room for this scheduled conference.
<b>Conference Password</b>	Configure conference room password. Please note that if “Public Mode” is enabled, this option is automatically disabled.
<b>Kick Time(m)</b>	Configure the time before the scheduled conference. When this time is reached, a warning prompt will be played, and all attendees currently in the scheduled conference room will be kicked after 5 mins. The conference room will be locked until the scheduled conference begins. Default value is 10 min.
<b>Schedule Time</b>	Configure the beginning date and duration of scheduled conference. <b>Note:</b> Please be mindful to avoid schedule conflicts for the same conference room.
<b>Host</b>	Set the admin of this scheduled conference from the following list of members.
<b>Members</b>	Select available extensions from the list to attend scheduled conference.
<b>Special Extension</b>	Add extensions that are not in the list (both local and remote list). If the user wishes to add the special extension, please make sure that the UCM's outbound routes will allow calling that special extension.
<b>Description</b>	Set a description of scheduled conference.



<b>Time Zone</b>	Configure the conference Time Zone.
<b>Local Extension</b>	Select the extensions from the list to attend this scheduled conference.
<b>Remote Extension</b>	The remote extension in the peer PBX connected to the local PBX via LDAP sync.

Once created, the Web GUI will display scheduled conference in Conference Schedule. Please see figure below:



**Figure 18: Video Conference Schedule**

Once the conference room is scheduled, at the kick time, all users will be removed from conference room and no extension is allowed to join the conference room anymore. At the scheduled conference time, UCM will send INVITE to the extensions that have been selected for conference.

#### Notes:

- Video conferencing can be resource-intensive and may cause performance issues with the UCM when used.
- To ensure the best experience, please use Google Chrome (v67 or higher) or Mozilla Firefox (v60).



## CONFERENCE SCHEDULE EXAMPLE APPLICATION

This chapter illustrates an example of configuring conference schedule feature.

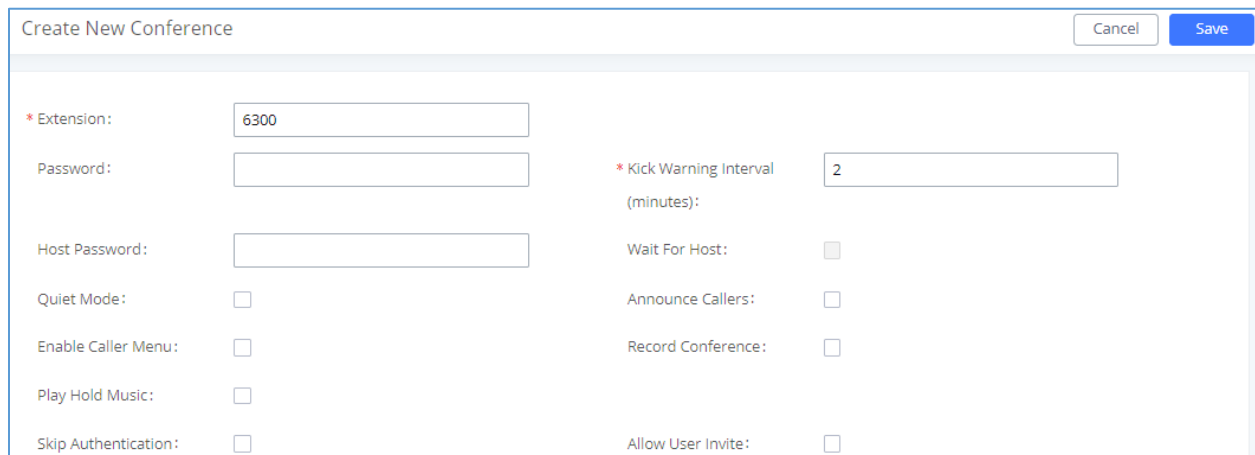
The sales director of the company “ABC” needs to organize a conference and invite different sales managers to discuss different topics. We will assume the following:

1. Sales director needs to have a conference room available on the extension number **6300** which will allow him to invite manually **Sales Team** members to discuss different topics.
2. Every Monday at 9 AM, the sales director will organize with sales team a conference to discuss different topics and assign new tasks, the conference room used to host this weekly meeting is **6301**.
3. We will assume in this example that the UCM6xxx is already synchronized with Google Calendar services.

- **Configuring Conference room 6300**

Please refer to following steps in order to configure the conference room 6300:


1. Access the Web GUI of the UCM6xxx using the administrator username and password (By default the admin username/password is: admin/admin).
2. Navigate to Call Feature → Conference.
3. Click on “**Create New Conference Room**”.
4. Set the extension number to “6300”.
5. Press Save button to save the new conference room.



**Figure 19: Creating Conference Room 6300**



Once creating the conference room 6300, the sales director can initiate the conference by dialing 6300 and inviting another participant. Please see steps below:

6. Click on the invite icon  for option "Invite a participant".
7. Enter the number of the party you would like to invite. Then click on **"Add"**, a call will be sent to this number to join into the conference.

**Note:**

- Inviting other participant is also available by dialing **0** or **1** and following voice prompt to input the new participant's number, then the UCM will send a call to this number to join into the conference.
- Enabling "Record Conference" permits to record the conference calls and retrieve them under conference recording.

- **Configuring conference room 6301**

The conference room 6301 is programmed to host the weekly meeting planned with Google calendar, on the following steps we will create a new conference schedule and update the Google calendar.

1. Access the Web GUI of the UCM6xxx using the administrator username and password. (By default the admin username/password is: admin/admin)
2. Navigate to Call Feature → Conference.
3. Click on **"Add"** to create a new Conference Room.
4. Set the extension number to "6301".
5. Press Save button to save the new conference room.
6. Access to Call Feature → Conference schedule.
7. Click on **"Add"** to create a new Conference Schedule.
8. Set the **"Conference Subject"** and select the **"Conference room"**.
9. Configure the **"kick time"** and set the **"Description"**.
10. Since this meeting is planned for each week, configure **"Repeat"** to weekly.
11. Enable **Google Calendar** and select the extensions of the participants to join.
12. Press **Save** button and click on **"Update Google Calendar"** to update the Google calendar.
13. Press **Apply Changes** button to save and apply the new settings on the UCM6xxx.



Edit Conference Schedule: 6300 Weekly Meeting

Cancel
Save

Schedule Options
Conference Room Options

\* Conference Subject: Weekly Meeting

Conference Room: 6301

Conference password: 1234568

\* Kick Time (m): 10

Host Password: 3698

Wait For Host:

Host: 3000 iamyourmanager@tr

\* Schedule Time: 2020-01-22 12:00

Meeting Duration: 1 hour(s) 15 minute(s)

Repeat: No Repeat

Enable Google Calendar:
[Google Service Settings](#)

Local Extensions: 3001 × 3002 × 3003 ×

Send email notification:

Remote Extensions:

Send email notification:

Special Extension: Tom Jerry 025645202 tom&jerry@yes.com

Send email notification:

Remote Conference: Remote Conference's Nur Remote Conference's Pas:

Description: Please help to free you schedule at the time of the meeting. Thank you.

**Figure 20: Conference Schedule**

**Note:**

- The conference can also invite remote extensions available when the main UCM6xxx is peered with other UCMs or a special extension.
- The Google Calendar is updated also on your Google Account with the new parameters of the conference schedule.

