



## Algo 8186 SIP Horn speaker Device Registration with CUCM 12.0

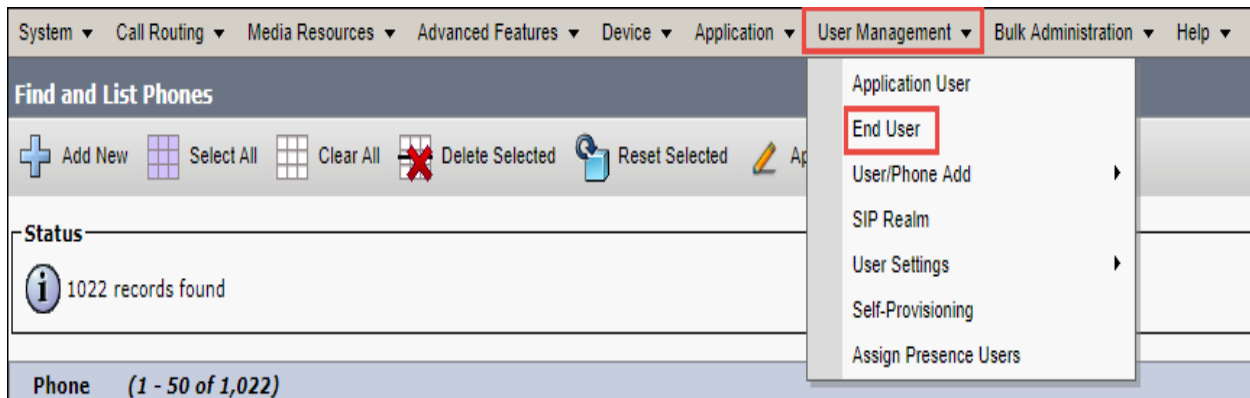
## Configurations in CUCM

For registering Algo 8186 sip horn speaker in Cisco Unified Communications Manager configure:

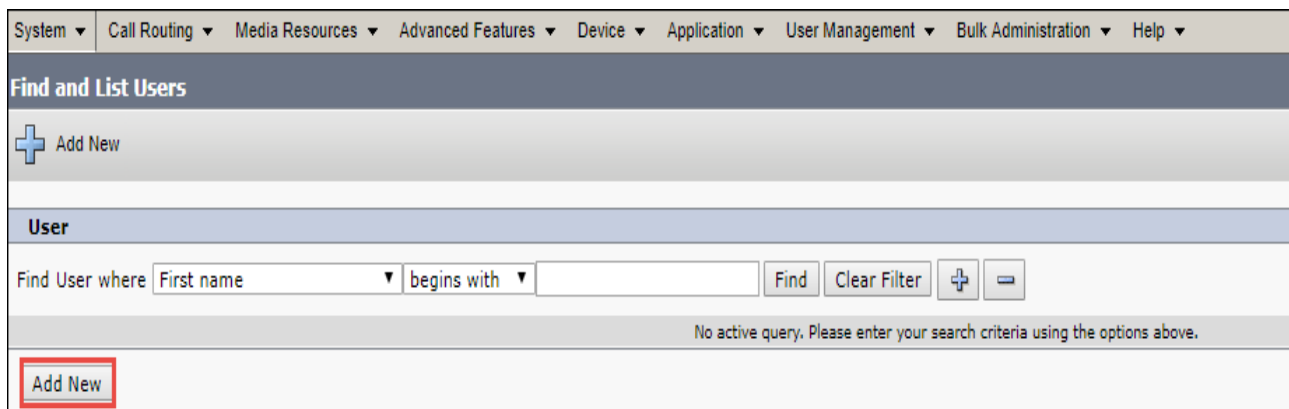
1. End User in CUCM
2. Add a new Phone and associate with the end user created.
3. Provide the end user details in Bria 5.

## Configuration of End user in CUCM

**Navigation:** User Management >>End User



1. Select Add New

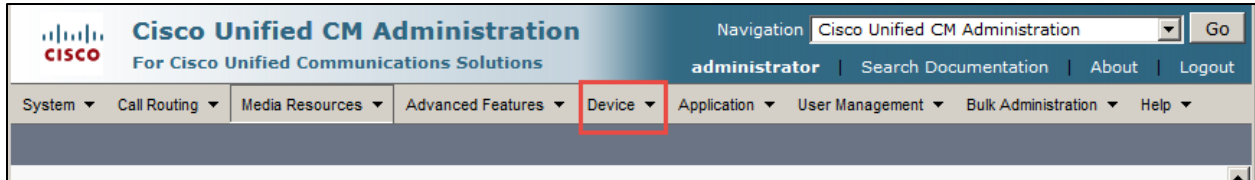




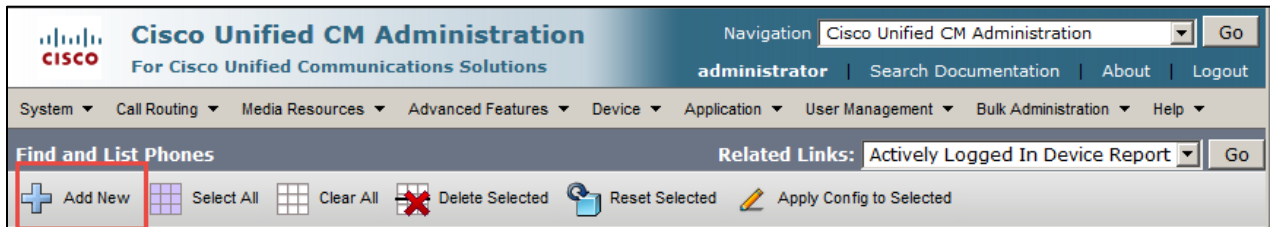
## Configuration of Third-party client

The following procedure describes the configuration of third-party client on CUCM.

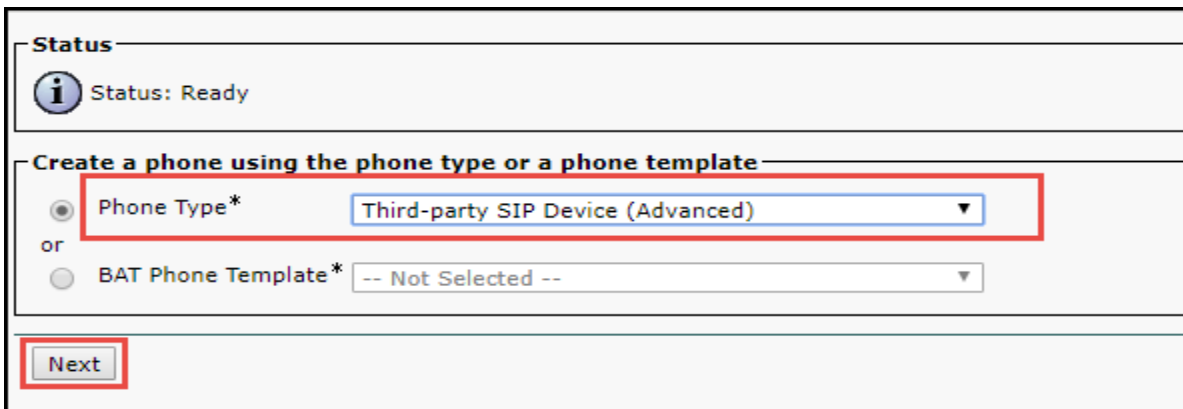
**Navigation:** Device >>Phone



Select “Add new”




In “Add a New Phone” page, Select Phone type as **Third-party SIP Device (Advance)**.



The screenshot shows the 'Add a New Phone' form in the Cisco Unified CM Administration interface. The 'Status' section shows 'Status: Ready'. The 'Create a phone using the phone type or a phone template' section has two radio buttons: 'Phone Type\*' and 'BAT Phone Template\*'. The 'Phone Type\*' radio button is selected, and the dropdown menu next to it is set to 'Third-party SIP Device (Advanced)'. The 'BAT Phone Template\*' radio button is unselected, and its dropdown menu is set to '-- Not Selected --'. A 'Next' button is highlighted with a red box at the bottom of the form.

Enter the following details in “Phone Configuration” page:

1. **MAC Address:** 123456ABCDEF (used as an example)
2. **Device Pool:** Select Default.
3. **Phone Button Template:** Third-party SIP Device (Basic).
4. **Owner:** Select User
5. **Owner User ID:** bria 1 (Select corresponding End User created)

Device Information	
 Device is not trusted	
MAC Address*	0022EE0A26A9
Description	SEP0022EE0A26A9
Device Pool*	Default <a href="#">View Details</a>
Common Device Configuration	< None > <a href="#">View Details</a>
Phone Button Template*	Third-party SIP Device (Advanced)
Common Phone Profile*	Standard Common Phone Profile <a href="#">View Details</a>
Calling Search Space	< None >
AAR Calling Search Space	< None >
Media Resource Group List	< None >
Location*	Hub_None
AAR Group	< None >
Device Mobility Mode*	Default
Owner	<input checked="" type="radio"/> User <input type="radio"/> Anonymous (Public/Shared Space)
Owner User ID*	7002

6. **Device Security Profile:** Third-party SIP Device Basic – Standard SIP Non-Secure Profile
7. **SIP Profile:** Select Standard SIP Profile.
8. **DIGEST User:** Select the End user created.

Protocol Specific Information	
BLF Presence Group*	Standard Presence group
MTP Preferred Originating Codec*	711ulaw
Device Security Profile*	Third-party SIP Device Advanced - Standard SIP No <a href="#">View Details</a>
Rerouting Calling Search Space	< None >
SUBSCRIBE Calling Search Space	< None >
SIP Profile*	Standard SIP Profile <a href="#">View Details</a>
Digest User	7002
<input type="checkbox"/> Media Termination Point Required	
<input type="checkbox"/> Unattended Port	
<input type="checkbox"/> Require DTMF Reception	
<input type="checkbox"/> Allow Presentation Sharing using BFCP	
<input type="checkbox"/> Allow iX Applicable Media	
MLPP and Confidential Access Level Information	
MLPP Domain	< None >
Confidential Access Mode	< None >
Confidential Access Level	< None >
<input type="button" value="Save"/>	

- 9 Save the Configuration.
- 10 Configuring Directory Number by Selecting the Line under “Association” and provide the Directory Number for both page and ring extension.

<p><b>Association</b></p> <p>Modify Button Items</p> <p>1 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Line [1] - Add a new DN</p> <p>2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Line [2] - Add a new DN</p> <p>3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Line [3] - Add a new DN</p> <p>4 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Line [4] - Add a new DN</p> <p>5 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Line [5] - Add a new DN</p>	<p><b>Phone Type</b></p> <p>Product Type: Third-party SIP Device (Advanced) Device Protocol: SIP</p> <hr/> <p><b>Real-time Device Status</b></p> <p>Registration: Unknown IPv4 Address: None</p> <hr/> <p><b>Device Information</b></p> <p><input type="checkbox"/> Is Active</p>
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- 11 Give the directory number for page extension as 7002 as an example

<b>Status</b>	
Status: Ready	
<b>Directory Number Information</b>	
Directory Number*	7002 <input type="checkbox"/> Urgent Priority
Route Partition	< None >
Description	

- 12 Give the directory number for page extension as 8025 as an example

<b>Status</b>	
Directory Number Configuration has refreshed due to a directory number change. Please click Save button	
<b>Directory Number Information</b>	
Directory Number*	8025 <input type="checkbox"/> Urgent Priority
Route Partition	< None >
Description	

Also associate the End user to the Line

**Users Associated with Line**

[Associate End Users](#)

Select the associated end user

**User (1 - 27 of 27)**

Find User where

<input type="checkbox"/>	User ID ^	Meeting Number	First Name	Last Name	Department
<input type="checkbox"/>	1002	1002		1002	
<input type="checkbox"/>	1800	1800		1800	
<input checked="" type="checkbox"/>	7002	7002		7002	
<input type="checkbox"/>	8521	8521		8521	
<input type="checkbox"/>	9411	9411		9411	

## Algo 8186 sip Horn Speaker Configuration

Enter the application webpage (ip address) using default password

### Welcome to the Algo 8186 SIP Horn Control Panel

Setting up your SIP Horn:

**Step 1: Configure your SIP Horn**

Log in with the default password and use the Basic Settings pages to set up the basic information.

**Step 2: Check network settings (Optional)**

Use the Network page under the Advanced Settings tab to change network settings. The default setting for the device is to obtain administrator if you plan to assign a static IP address, Mask, and Gateway to the device.

**Step 3: Secure your SIP Horn (Optional)**

Use the Admin page under the Advanced Settings tab to change the administrator password.  
⚠️ Changing the password is extremely important if the device is directly connected to a public network.

**Step 4: Register your SIP Horn (Optional)**

Please register your product using the link below:  
<http://www.algosolutions.com/register>

Registration ensures your access to the latest upgrades to this product and important service notices.

Login

Password (default: **algo**)



1. Enter SIP domain : CUCM IP address with the port number
2. Ring/Alert mode : select the monitor mode
3. Ring extension : ring extension dn (it is used for ring notification)
4. Authentication ID : End user authentication
5. Authentication password : End User pin
6. Page extension: page extension dn (it is used for page dialing and talk back facility).
7. Authentication ID : End user authentication
8. Authentication password : End User pin

### SIP Settings

**SIP**  
This section allows the SIP server information & account credentials to be entered. This information should be obtained from your telephone system administrator or hosted account provider. After saving these settings, see the [Status](#) tab to confirm successful registration.

**SIP Domain (Proxy Server)**   
Default port is 5060. To specify a different port, enter PROXY:PORT, e.g. my\_proxy.com:5070, or 192.168.1.10:5080.

**Ring/Alert Mode**  
 Monitor "Ring" event on registered SIP extension  
 None

**Ring Extension**   
**Authentication ID**   
**Authentication Password**

The device will detect inbound ring events on this extension and play the alerting tone (and multicast if configured) until the inbound call stops ringing. It will not answer the call on this extension.

**Page Extension**   
**Authentication ID**   
**Authentication Password**

The device will auto-answer any inbound call received on this extension and provide a voice paging path (and multicast if configured).

Click **Save** to save the configurations.

Check the status on the webpage after the configuration.

### SIP Settings

**SIP**

*i* This section allows the SIP server information & account credentials to be entered. This information should be entered in the settings, see the **Status** tab to confirm successful registration.

SIP Domain (Proxy Server)	172.16.28.5:5060
	<i>i</i> Default port is 5060. To
Ring/Alert Mode	<input checked="" type="radio"/> Monitor "Ring" event <input type="radio"/> None
Ring Extension	8025
Authentication ID	

### Status

Device Name	siphorn		
SIP Registration	<b>Page Ring #1</b>	<b>Successful Successful</b>	(Extension 7002) (Extension 8025)
Call Status	Idle		
Proxy Status	Single proxy mode		
Security	TLS	Disabled	
	SRTP	Disabled	

The two extensions page extension and ring extension is successfully registered.