



## *Intercom Cisco Call Manager Setup Guide*

Document Part #930281D

*CyberData Corporation  
3 Justin Court  
Monterey, CA 93940  
(831) 373-2601*

CyberData Corporation  
3 Justin Court, Monterey, CA 93940  
[www.cyberdata.net](http://www.cyberdata.net)  
P 831.373.2601 | F 831.373.4193

**Intercom Cisco Call Manager Setup Guide**  
**Document #930281D**

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## Revision Information

- 7/8/2020 – Major Guide Update

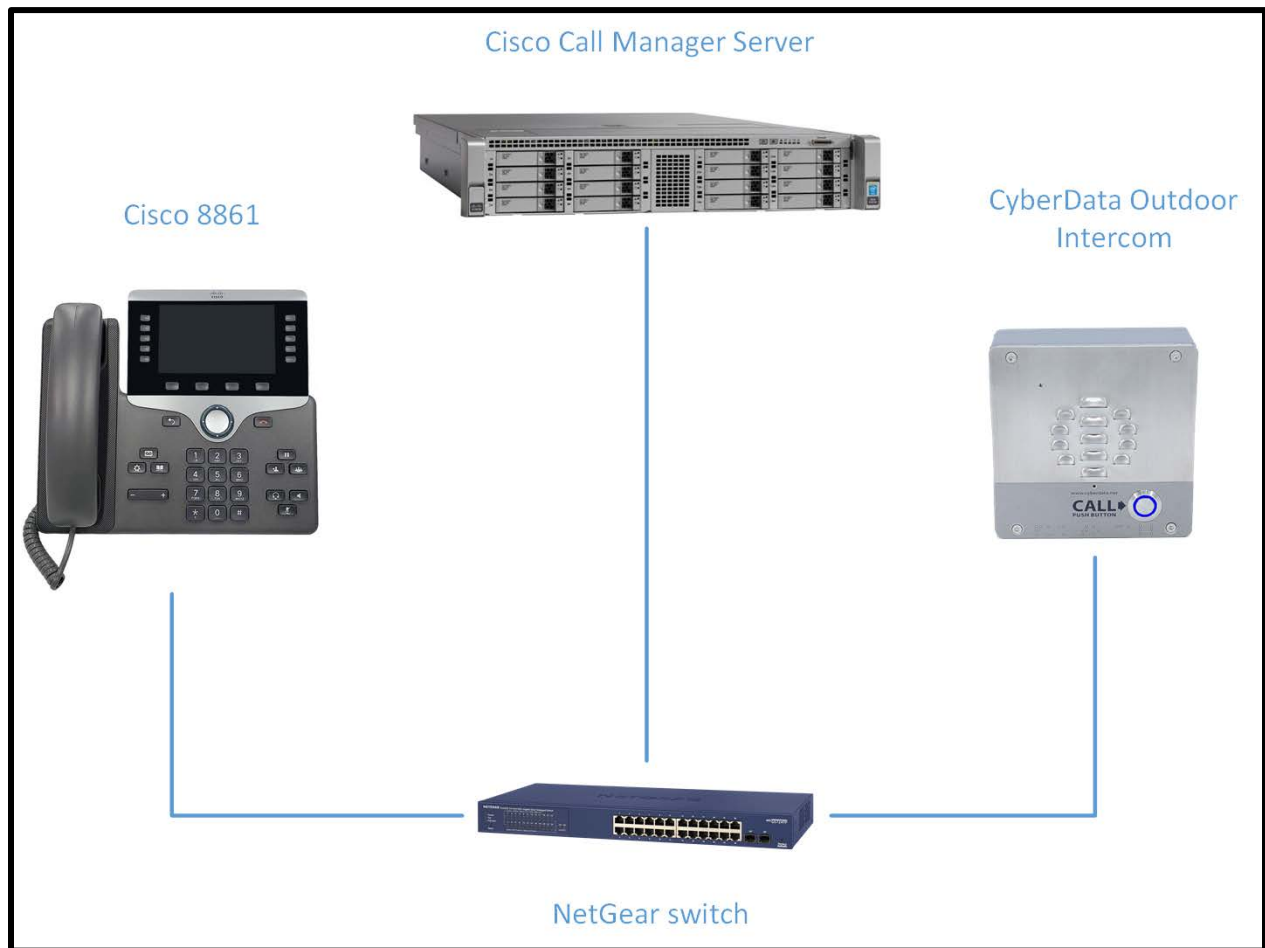
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## 1.0 Setup Diagram

Figure 1-1 is a setup diagram for an Outdoor Intercom configuration. In this configuration, the intercom acts as a standalone SIP telephony device.

**Figure 1-1. Setup Diagram**



## 2.0 Test Equipment

**Table 2-1. Test Setup Equipment**

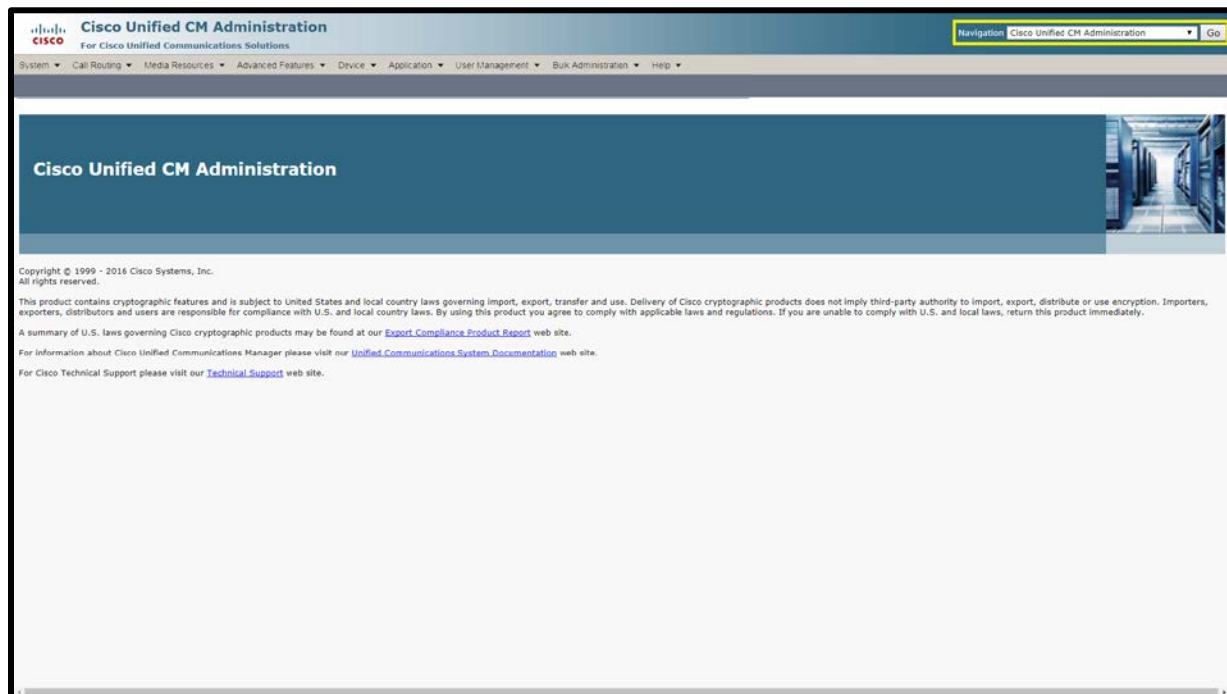
<b>Equipment</b>	<b>Model</b>	<b>Version</b>
Cisco 8861	8861	12.8
CyberData SIP Outdoor Intercom	011186	20.1.0
Netgear ProSafe POE Switch	FS108P	NA

### 3.0 Verify in Cisco Call Manager that the IP Voice Media Streaming Application is Activated

It is important to verify that the IP Voice Media Streaming Application is running on Cisco Call Manager.

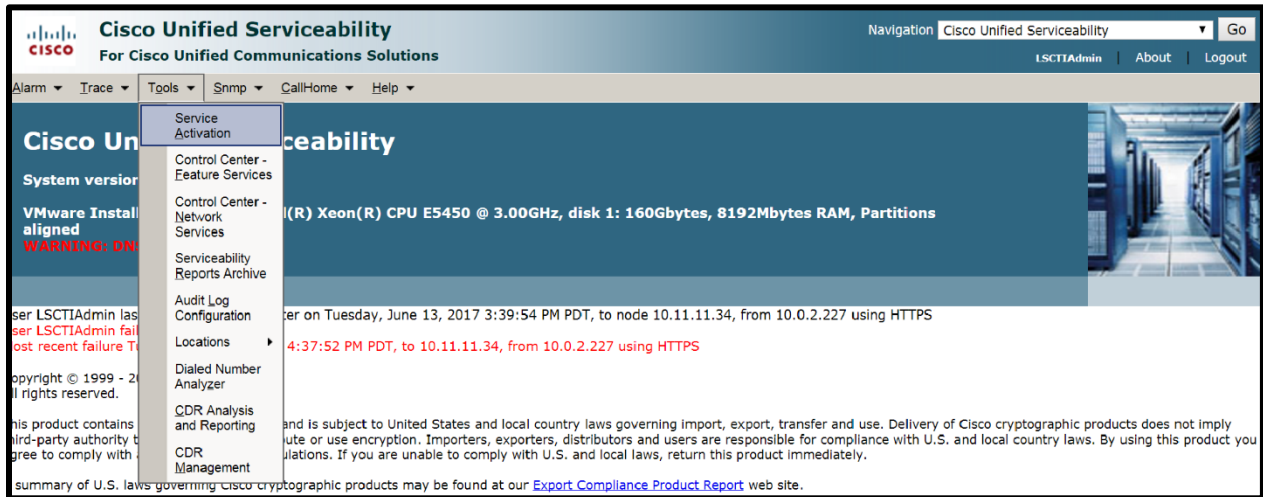
1. Log into Cisco Call Manager.
2. Click on the **Navigation** drop-down menu and select '**Cisco Unified Serviceability**'.
3. Click on the **Go** Button.

**Figure 3-1. Main Page**



4. On the Cisco Unified Serviceability page, select the **Tools** menu and select **Service Activation**

**Figure 3-2. Cisco Unified Serviceability Page**



5. Scroll to the **CM Services** section and check the activation status of the **Cisco IP Voice Media Streaming App**. If the **Activation Status** column does not display the word 'Activated' then click on the checkbox next to the **Cisco Voice Media Streaming App** service name to activate.

**Figure 3-3. Cisco IP Voice Media Streaming App**

CM Services		
	Service Name	Activation Status
<input checked="" type="checkbox"/>	Cisco CallManager	Activated
<input checked="" type="checkbox"/>	Cisco Unified Mobile Voice Access Service	Activated
<input checked="" type="checkbox"/>	Cisco IP Voice Media Streaming App	Activated
<input checked="" type="checkbox"/>	Cisco CTIManager	Activated
<input checked="" type="checkbox"/>	Cisco Extension Mobility	Activated
<input checked="" type="checkbox"/>	Cisco Extended Functions	Activated
<input checked="" type="checkbox"/>	Cisco DHCP Monitor Service	Activated
<input type="checkbox"/>	Cisco Intercluster Lookup Service	Deactivated
<input checked="" type="checkbox"/>	Cisco Location Bandwidth Manager	Activated
<input type="checkbox"/>	Cisco Directory Number Alias Sync	Deactivated
<input type="checkbox"/>	Cisco Directory Number Alias Lookup	Deactivated
<input checked="" type="checkbox"/>	Cisco Dialed Number Analyzer Server	Activated
<input checked="" type="checkbox"/>	Cisco Dialed Number Analyzer	Activated
<input checked="" type="checkbox"/>	Cisco Tftp	Activated

6. Click on the **Save** button at the top of the page.

**Figure 3-4. Save Button on the Cisco Unified Serviceability Page**





7. Scroll up and click on the **Navigation** drop-down menu. Select **Cisco Unified CM Administration**.

**Figure 3-5.** Navigation Menu



8. Click on the **Go** button.

*Note: It is only necessary to follow Step 1 through Step 8 once for all CyberData Devices.*

### 3.1 Obtain the MAC Address from the CyberData Device to be Added to the System

To complete some of the steps in this procedure, one will first need to get the MAC address from the **CyberData Intercom**. The MAC Address is on the device itself and can also be taken from the web interface of the device.

1. Log into the CyberData Configuration Home page by pointing a browser to the intercom's IP address.

**Note:** The CyberData VoIP Discovery Utility program, allows the discovery of any CyberData devices on the network. Simply press the Launch Browser button to launch the webpage of the device.

2. When prompted, enter the following **Web Access Username** and **Web Access Password** to access the **CyberData Outdoor Intercom Home Page**.

Default Login:  
Username: **admin**  
Password: **admin**

**Figure 3-6. CyberData Intercom Home Page**

The screenshot displays the CyberData Intercom web interface. At the top is a navigation bar with tabs: Home, Device, Network, SIP, SSL, Multicast, Sensor, Audiofiles, Events, DSR, Autopro, and Firmware. The main header reads "CyberData Intercom". Below this, the interface is divided into several sections:

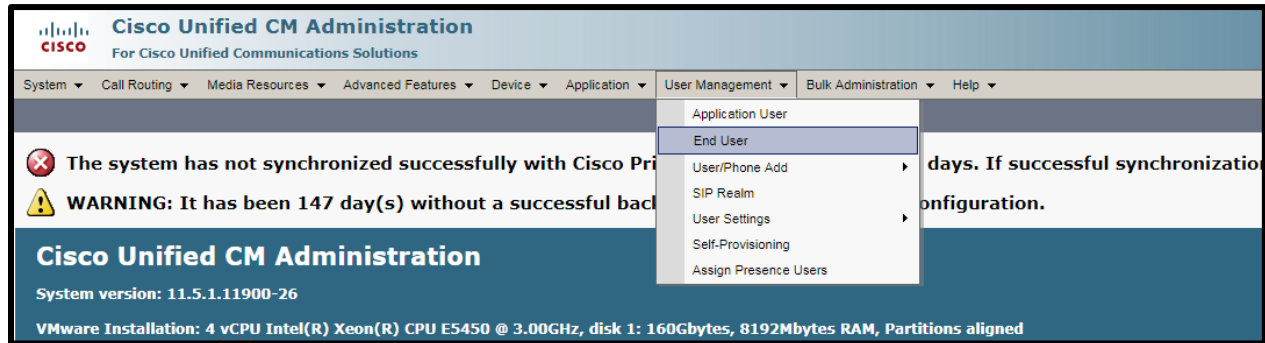
- Current Status:** Displays device information including Serial Number (186201657), Mac Address (00:20:17:04:41:31), Firmware Version (v20.2.1), Partition 2 (v20.2.1), Partition 3 (v20.2.1), and Booting From (partition 3). There is a "Boot From Other Partition" button.
- Admin Settings:** Includes fields for Username (admin), Password (masked with asterisks), and Confirm Password (masked with asterisks). There are "Save", "Reboot", and "Toggle Help" buttons.
- Import Settings:** Features a "Choose File" button (labeled "No file chosen") and an "Import Config" button.
- Export Settings:** Includes an "Export Config" button.
- Network Settings:** Lists IP Addressing (DHCP), IP Address (192.168.1.5), Subnet Mask (255.255.255.0), Default Gateway (192.168.1.1), DNS Server 1 (192.168.1.1), and DNS Server 2.
- Volume Settings:** Lists SIP Volume, Multicast Volume, Ring Volume, Sensor Volume, Push to Talk Volume, and Microphone Gain, all set to 4. Push to Talk Microphone Gain is also listed.
- Mode Settings:** Lists SIP Mode (Enabled), Multicast Mode (Disabled), Event Reporting (Disabled), and Nightringer (Disabled).
- Server Status:** Lists Primary SIP Server, Backup Server 1, Backup Server 2, and Nightringer Server, all marked as "Not registered".

## 3.2 Setup a New User in Cisco Call Manager

To setup a new user in Cisco Call Manager.

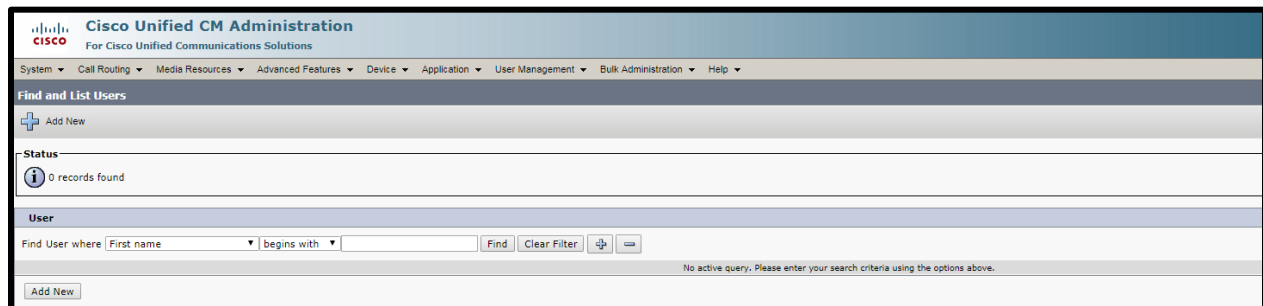
1. From the **Cisco Unified CM Administration** page. Go to the **User Management** menu and select **End User**. This will lead to the **Find and List Users** page.

**Figure 3-7. User Management Menu**



2. From the **Find and List Users** page, click on **Add New** (Figure 3-8). This is the **End User Configuration** page.

**Figure 3-8. Find and List Users Page**




3. On the **End User Configuration** page (Figure 3-9), complete the following steps:
  - Type a user ID into the **User ID** field.

**Note:** Write down this **User ID**, it will be needed in later steps.


- Type a name into the **Last name** field.
- Set and confirm a Digest Credential. This will be used for the device's password during registration.

**Figure 3-9. End User Configuration Page**

End User Configuration

 Save

Status

 Status: Ready

User Information

User Status	Enabled Local User
User ID*	Outdoor Intercom 1
Password	
Confirm Password	
Self-Service User ID	
PIN	
Confirm PIN	
Last name*	Intercom
Middle name	
First name	
Display name	
Title	
Directory URI	
Telephone Number	
Home Number	
Mobile Number	
Pager Number	

4. Scroll down and click **Save** at the bottom of the page. After a short time, the screen will show **'Add Successful'**.

**Figure 3-10. End User Configuration Page – Add Successful**

End User Configuration

Save

Delete

Add New

Status

Add successful

User Information

User Status

Enabled Local User

User ID\*

Outdoor Intercom 1

Password

.....

Edit Credential

Confirm Password

.....

Self-Service User ID

PIN

.....

Edit Credential

Confirm PIN

.....

Last name\*

Intercom

Middle name

First name

Display name

Title

Directory URI

Telephone Number

Home Number

Mobile Number

Pager Number

Mail ID

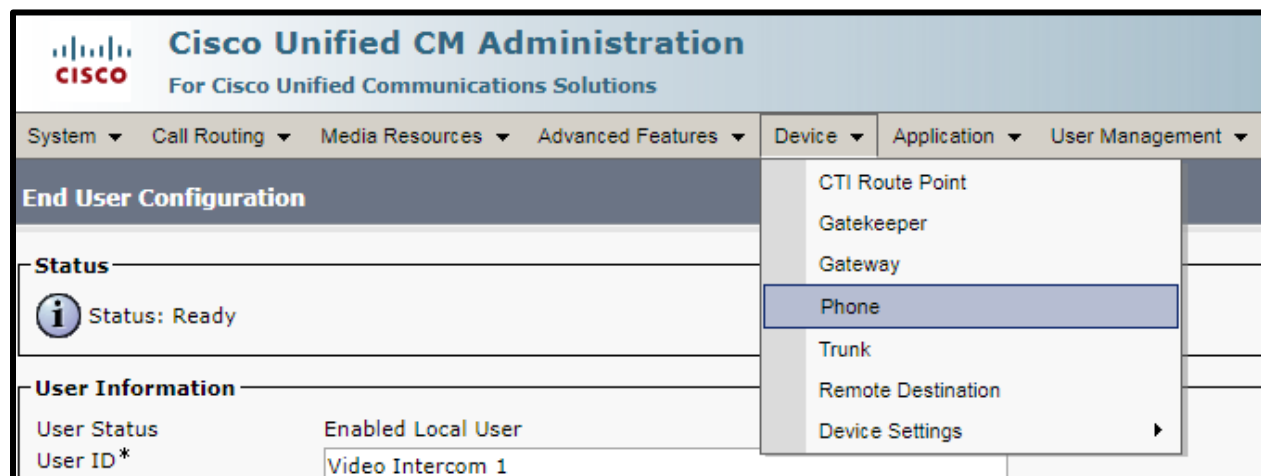
Manager User ID

Department

### 3.3 Set Up a New Phone Device in Cisco Call Manager

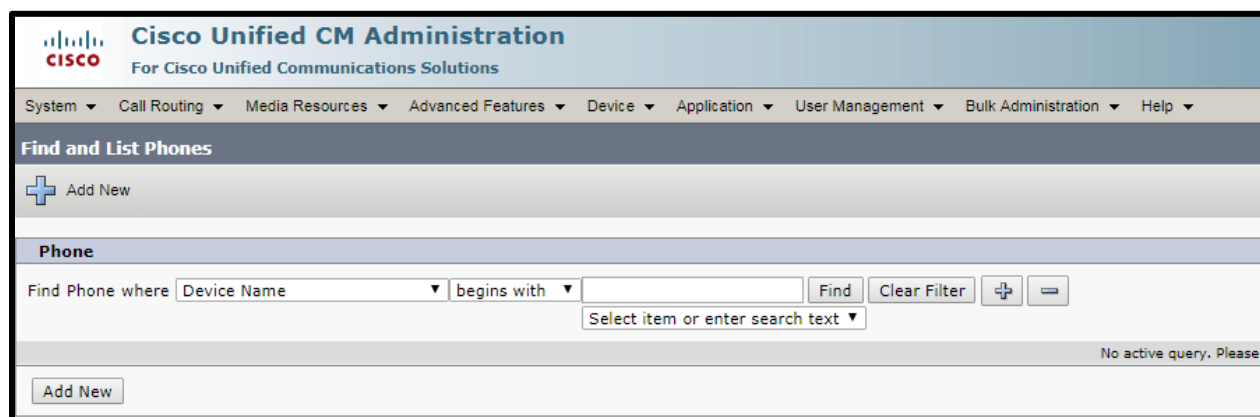
1. Go to the **Device** menu and select **Phone**. This will lead to the **Find and List Phones** menu.

**Figure 3-11.** Cisco Device Menu



2. In the **Find and List Phones** menu, click on **Add New**. This is the **Add a new Phone** page.

**Figure 3-12.** Find and List Phones Menu



3. On the **Add a New Phone** select **Third Party SIP Device (Basic)** from the **Phone Type** drop-down menu.

**Figure 3-13. Phone Configuration Page**

The screenshot shows the Cisco Unified CM Administration interface for adding a new phone. The top navigation bar includes links for System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, and Bulk Administration. The main heading is 'Add a New Phone' with a 'Next' button. Below this, the 'Status' is 'Ready'. The 'Select the type of phone you would like to create' section shows 'Phone Type\*' as 'Third-party SIP Device (Basic)'. There is another 'Next' button below this section. A legend at the bottom explains that '\*' indicates a required item and '\*\*' indicates a phone template created via Bulk Administration Tool.

4. Click **Next**.

For a summary of all the required settings for the **Phone configuration** page please see Table 3-1.

For a step-by-step description of the settings that are necessary for the Phone Configuration page, go to Step 5.

**Table 3-1. Phone Configuration Page Settings**

Phone Device Parameter	Selected Setting
MAC Address Field	Type the number that was written down for the <b>Ethernet Address</b> field of the CyberData Outdoor Intercom.
Description Field	Type any <b>description</b> desired
Device Pool drop-down menu	Select <b>Default</b>
Phone Button Template Drop-down Menu	Select <b>Third party SIP device (Basic)</b>
Owner User ID Drop-down menu	Select the name of the user, this was set in step 3 of <a href="#">Section 4.5</a>
Device Security Profile drop-down menu	Select <b>Third-Party Basic - Standard SIP Non-Secure Profile</b> .
SIP Profile drop-down menu	Select <b>Standard SIP Profile</b> .
Digest User drop-down menu	Select the name of the user, this was set in step 3 of <a href="#">Section 4.5</a>

5. On the **Phone Configuration** page (Figure 3-14), get the number written down from the MAC Address field of the CyberData Outdoor Intercom page (Figure 3-6), and type it into the **Mac Address** field.

Figure 3-14. Phone Configuration Page

<b>Phone Type</b>	
Product Type: Third-party SIP Device (Basic)	
Device Protocol: SIP	
<b>Device Information</b>	
⚠ Device is not trusted	
MAC Address*	0020F7044131
Description	SEP0020F7044131
Device Pool*	Default <a href="#">View Details</a>
Common Device Configuration	< None > <a href="#">View Details</a>
Phone Button Template*	Third-party SIP Device (Basic) <a href="#">View Details</a>
Common Phone Profile*	Standard Common Phone Profile <a href="#">View Details</a>
Calling Search Space	< None >
AAR Calling Search Space	< None >

6. In the **Description** field, type a description.
7. In the Device Pool drop down menu select **Default**.
8. In the **Phone Button Template** drop-down menu, select **Third party SIP Device (Basic)**.

**Note:** Leave the **Common Phone Profile** set to **Standard Common Phone Profile**.

9. Scroll down to the **Owner User ID** drop-down menu (Figure 3-15). Select the UserID created for the intercom.



Figure 3-15. Phone Configuration Page

The screenshot shows a configuration form with the following elements:

- Owner:** Radio buttons for ☒ User and ☐ Anonymous (Public/Shared Space).
- Owner User ID\*:** A dropdown menu with "Outdoor Intercom 1" selected.
- Mobility User ID:** A dropdown menu with "< None >" selected.
- Use Trusted Relay Point\*:** A dropdown menu with "Default" selected.
- Always Use Prime Line\*:** A dropdown menu with "Default" selected.
- Always Use Prime Line for Voice Message\*:** A dropdown menu with "Default" selected.
- Geolocation:** A dropdown menu with "< None >" selected.
- Ignore Presentation Indicators (internal calls only):** An unchecked checkbox.
- Logged Into Hunt Group:** A checked checkbox.
- Remote Device:** An unchecked checkbox.

**Note:** Please leave the *Use Trusted Relay Point* and *Always Use Prime Line* in their default values.

10. Scroll down to the **Device Security Profile** drop-down menu (Figure 3-16) and select the **Third-Party SIP Device Basic-Standard SIP Non-Secure Profile**.

**Figure 3-16.** Phone Configuration Page

Owner ☒ User ☐ Anonymous (Public/Shared Space)

Owner User ID\* Outdoor Intercom 1 ▼

Mobility User ID < None > ▼

Use Trusted Relay Point\* Default ▼

Always Use Prime Line\* Default ▼

Always Use Prime Line for Voice Message\* Default ▼

Geolocation < None > ▼

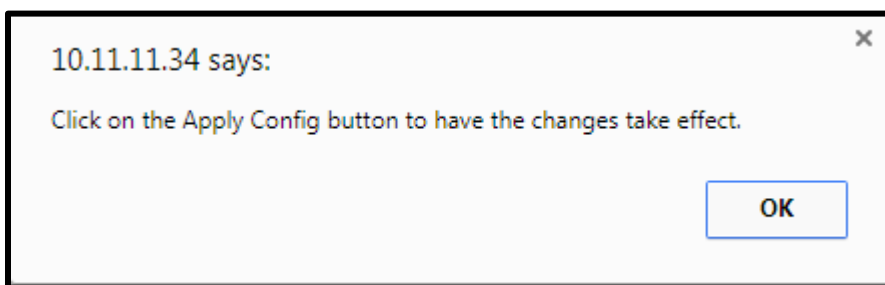
☐ Ignore Presentation Indicators (internal calls only)

☒ Logged Into Hunt Group

☐ Remote Device

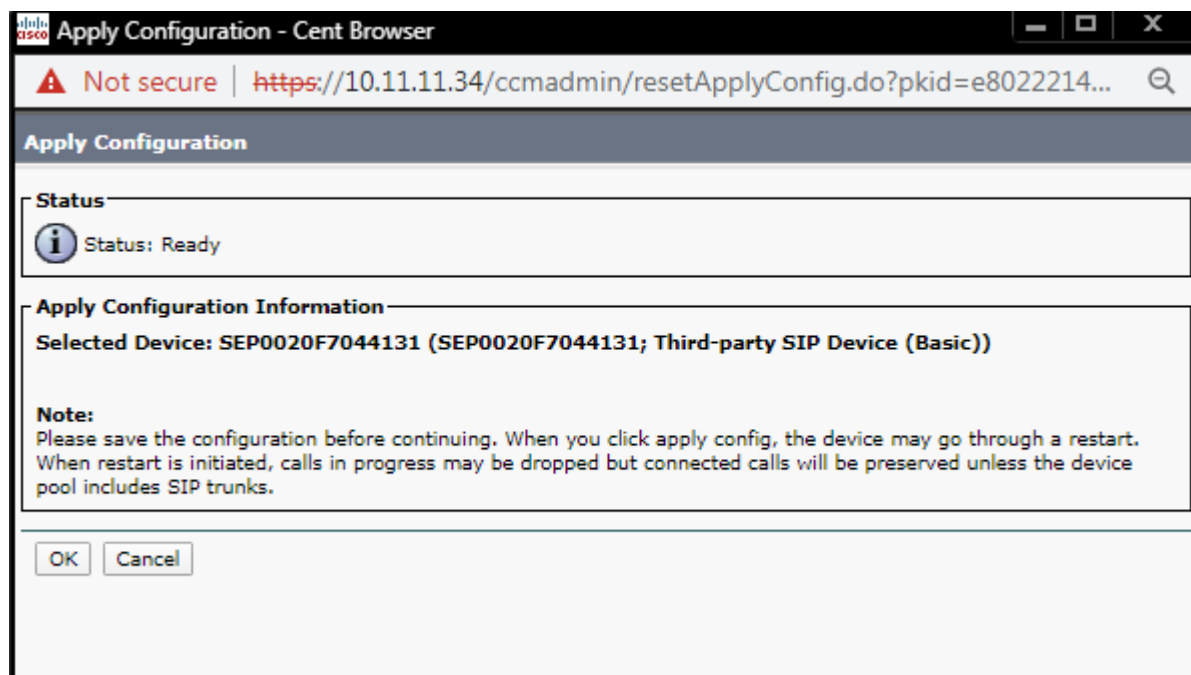
11. In the **SIP Profile** drop-down menu, select **Standard SIP Profile**.
12. In the **Digest user** drop-down menu, please select the name that was used in the **UserID** field in step 3 of [Section 3.2](#).
13. Click on the **Save** button at the bottom of the page. The page will take a moment to refresh and the following message will popup:

**Figure 3-17.** Click on the apply Config button popup



14. After the page finishes processing it will show the **Phone Configuration** guide again, please press the **Apply Config** button.
15. A new **Apply Config** window will appear (Figure 3-18). Click on the **OK** button.

Figure 3-18. Apply Configuration Window



16. After the server is done applying the configuration, the **Status** section will show **Add Successful**.

## 3.4 Create a New Directory Number (DN) and Associate it with the New Phone Device

1. Underneath the **Modify Button Items** button, please click on “**Line (1) – Add a new DN.**”

**Figure 3-20.** Add a new Directory Number (DN)

The screenshot displays the 'Phone Configuration' window. At the top, there is a 'Related Links' section with a dropdown menu set to 'Back To Find/List' and a 'Go' button. Below this is a toolbar with icons for 'Save', 'Delete', 'Copy', 'Reset', 'Apply Config', and 'Add New'. The main content area is divided into several sections: 'Status' (showing 'Add successful'), 'Association' (containing a 'Modify Button Items' button and a list item '1 Line (1) - Add a new DN'), 'Phone Type' (showing 'Product Type: Third-party SIP Device (Basic)' and 'Device Protocol: SIP'), 'Real-time Device Status' (showing 'Registration: Unknown' and 'IPv4 Address: None'), and 'Device Information' (showing 'Device is Active', 'Device is not trusted', 'MAC Address \*' with value '0020F7044131', and 'Description' with value 'SEP0020F7044131').

2. In the **Directory Number** field, please type an extension number that is within the range of extensions.

**Note:** Please write down the **Directory Number**, it will be needed in further steps.

**Note:** The extension ‘1800’ was used in this example.

**Figure 3-21. Directory Number Configuration**

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾

### Directory Number Configuration

Save

**Status**

Directory Number Configuration has refreshed due to a directory number change. Please click Save button to save the configuration.

**Directory Number Information**

Directory Number\*  ☐ Urgent Priority

Route Partition

Description

Alerting Name

ASCII Alerting Name

External Call Control Profile

☒ Active

**Directory Number Settings**

Voice Mail Profile  (Choose <None> to use system default)

Calling Search Space

BLF Presence Group\*

User Hold MOH Audio Source

Network Hold MOH Audio Source

☐ Reject Anonymous Calls

3. Scroll down and click on the **Save** button on the bottom of the page.

**Figure 3-22. Directory Number Configuration Page**

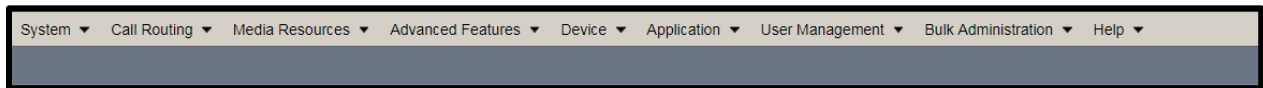
<b>Line Settings for All Devices</b>	
Hold Reversion Ring Duration (seconds)	<input type="text"/> Setting the Hold Reversion Ring Duration to zero will disable the feature
Hold Reversion Notification Interval (seconds)	<input type="text"/> Setting the Hold Reversion Notification Interval to zero will disable the feature
Party Entrance Tone*	<input type="text" value="Default"/>
<b>Line 1 on Device SEP0020F70386E3</b>	
Display (Caller ID)	<input type="text"/> Display text for a line appearance is intended for displaying text such as a name instead of a directory
ASCII Display (Caller ID)	<input type="text"/>
External Phone Number Mask	<input type="text"/>
Monitoring Calling Search Space	<input type="text" value=" &lt; None &gt;"/>
<b>Multiple Call/Call Waiting Settings on Device SEP0020F70386E3</b>	
Note: The range to select the Max Number of calls is: 1-16	
Maximum Number of Calls*	<input type="text" value="2"/>
Busy Trigger*	<input type="text" value="2"/> (Less than or equal to Max. Calls)
<b>Forwarded Call Information Display on Device SEP0020F70386E3</b>	
<input type="checkbox"/> Caller Name <input type="checkbox"/> Caller Number <input type="checkbox"/> Redirected Number <input type="checkbox"/> Dialed Number	
<input type="button" value="Save"/>	
<p> *- indicates required item.</p> <p> **- Changes to Line or Directory Number settings require restart.</p>	

## 3.5 Associate the Phone Device and Directory Number with the New User

Follow these steps to associate the phone and directory number to the user.

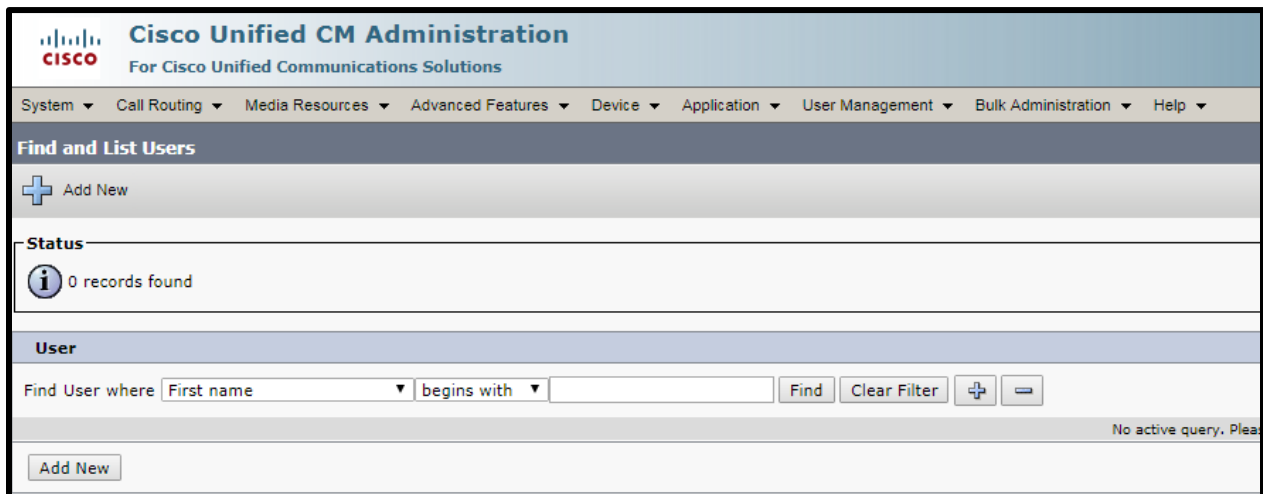
1. Please select the **User Management** menu and pick **End User** from the drop-down menu.
2. Click on **Find**.

**Figure 3-23.** Cisco Call Manager Toolbar



3. On the **Find and List Users** page, please click on the **Find** button.

**Figure 3-24.** Find and List Users



4. All the existing users will be listed in the **User ID** column.

Figure 3-25. Find User List Populated

**Find and List Phones**

**Status**

20 records found

**Phone (1 - 20 of 20)**

Find Phone where

<input type="checkbox"/>		Device Name(Line) ^	Description
<input type="checkbox"/>		<a href="#">CTIRDpaulJabber</a>	
<input type="checkbox"/>		<a href="#">ICVA-IC-001</a>	InformaCast Recording Port
<input type="checkbox"/>		<a href="#">ICVA-IC-002</a>	Used by Informacast
<input type="checkbox"/>		<a href="#">SEP000B82294403</a>	GXV3140
<input type="checkbox"/>		<a href="#">SEP000EC6A9EA9A</a>	Mauricio's CyberSoft PC
<input type="checkbox"/>		<a href="#">SEP00156553A2CA</a>	Support Yealink T42G
<input type="checkbox"/>		<a href="#">SEP0016477A4710</a>	Auto 1504
<input type="checkbox"/>		<a href="#">SEP0020F7034B4E</a>	Paging Server
<input type="checkbox"/>		<a href="#">SEP0020F70360CB</a>	Mauricio Test2
<input type="checkbox"/>		<a href="#">SEP0020F7039A3A</a>	SEP0020F7039A3A
<input type="checkbox"/>		<a href="#">SEP0020F703ED15</a>	Mauricio Test1
<input checked="" type="checkbox"/>		<a href="#">SEP0020F7044131</a>	SEP0020F7044131
<input type="checkbox"/>		<a href="#">SEP1C6A7AE04050</a>	Auto 1508
<input type="checkbox"/>		<a href="#">SEP2834A2830C9E</a>	1505
<input type="checkbox"/>		<a href="#">SEP7001B5DB5B8E</a>	Auto 1506
<input type="checkbox"/>		<a href="#">SEP74A02FC0E18C</a>	Auto 1507
<input type="checkbox"/>		<a href="#">SEP881DFC6128BC</a>	SEP881DFC6128BC
<input type="checkbox"/>		<a href="#">SEPC472955097E1</a>	Auto 1503
<input type="checkbox"/>		<a href="#">SEPD0C789141529</a>	Auto 1500
<input type="checkbox"/>		<a href="#">SEPF0CFBFB111E94</a>	Auto 1501

- Click on the User ID that has the name of the user from step 3 of [Section 3.2](#). This leads to the **End User Configuration** page.
- On the **End User Configuration** page, scroll down to the **Device Information** section. Please press the **Device Association** button.



**Figure 3-26. End User Configuration**

7. On the **User Device Association** page, click on the **Find** button.
8. Find the device by the MAC address, then click the check box next to it.
9. Please press the **Save Selected/Changes** button.

**Figure 3-27. User Device Association Page**

**User Device Association For Outdoor Intercom 1 (1 - 20 of 20)**

Find User Device Association where Name  begins with

☒ Show the devices already associated with Outdoor Intercom 1

<input type="checkbox"/>		Device Name	Directory Number
<input type="checkbox"/>	CTIR	CTIRDpaulJabber	
<input type="checkbox"/>	ICVA	ICVA-IC-001	9999
<input type="checkbox"/>	ICVA	ICVA-IC-002	9998
<input type="checkbox"/>	SEP	SEP000B82294403	1502
<input type="checkbox"/>	SEP	SEP000EC6A9EA9A	200
<input type="checkbox"/>	SEP	SEP00156553A2CA	700
<input type="checkbox"/>	SEP	SEP0016477A4710	1504
<input type="checkbox"/>	SEP	SEP0020F7034B4E	2020
<input type="checkbox"/>	SEP	SEP0020F70360CB	501
<input type="checkbox"/>	SEP	SEP0020F7039A3A	1421
<input type="checkbox"/>	SEP	SEP0020F703ED15	500
<input checked="" type="checkbox"/>	SEP	SEP0020F7044131	1800
<input type="checkbox"/>	SEP	SEP1C6A/AEU4050	1508
<input type="checkbox"/>	SEP	SEP2834A2830C9E	1505
<input type="checkbox"/>	SEP	SEP7001B5DB5B8E	1506
<input type="checkbox"/>	SEP	SEP74A02FC0E18C	1507
<input type="checkbox"/>	SEP	SEP881DFC6128BC	1509
<input type="checkbox"/>	SEP	SEPC472955097E1	1503
<input type="checkbox"/>	SEP	SEPD0C789141529	1500
<input type="checkbox"/>	SEP	SEPFCFBFB111E94	1501

10. From the **Related Links**, drop-down menu. Select **Back to User** and click to **Go** button.
11. Back on the **End User Configuration** page, look at the **Device Associations** section to verify that the device is associated with the user.

**Figure 3-28.** End User Configuration Page

The screenshot shows the 'Device Information' section of the End User Configuration page. It contains three main areas: 'Controlled Devices' with a text field containing 'SEP0020F7044131', 'Available Profiles' with an empty list box, and 'CTI Controlled Device Profiles' with an empty list box. To the right of these fields are two buttons: 'Device Association' and 'Line Appearance Association for Presence'. There are also small up/down arrow icons next to the list boxes.

12. Please scroll down to the **Directory Number Associations** section. Please select the primary extension for this user.

**Figure 3-29.** End User Configuration

The screenshot shows the 'Directory Number Associations' section. It has a dropdown menu for 'Primary Extension' with '1800' selected. Below it is a button labeled '< None >'. To the right of these is a 'Mobility Information' section which is partially visible.

**Note:** Extension 1800 was used in this example

13. Scroll down to the bottom of the page and select the **Save** button.

## 4.0 Setup CyberData Device Parameters

For the initial configuration of the Outdoor Intercom, please refer to the SIP Outdoor Intercom Operations Manual which can be downloaded from the webpage:

<https://www.cyberdata.net/collections/sip/products/011186>

Please navigate to the Downloads section to find the relevant Operations Guide.

## 4.1 Setting Up the CyberData Device Parameters

To setup the CyberData Device Parameters,

1. Get the IP Address of the Outdoor Intercom.

**Note:** This can be done in a few different ways. Once the device has finished booting up, if there is still direct access to the back of the device, press the 'RTFM' button. This will make the device announce its IP address. If the device has already been installed, CyberData has developed a program to find all the CyberData Devices on a network.

**Note:** The CyberData VoIP Discovery Utility can be downloaded with the following link:  
<http://www.cyberdata.net/assets/common/discovery.zip>

2. Please login to the device using the default Login username and password.
3. From the device's homepage please press the SIP tab.

**Table 4-1. SIP Tab Page Settings**

SIP Tab Items	Settings
SIP Server	Type the address of the Call Manager Server
SIP User ID	Type the <b>Directory Number</b> that was written down in step 2 of <a href="#">Section 4.7</a>
Authentication ID	Type the <b>Cisco User ID</b> that was used for the <b>Description</b> field in step 3 of <a href="#">Section 4.5</a>
Authentication Password	Use the password set on the end user page
SIP Registration	Select <b>Yes</b>
Registration expiration (Seconds)	Type 120

4. On the SIP Tab please complete the following steps:
  - In the **SIP Server** field, type the address of the Call Manager Server.
  - In the **SIP User ID** field, type the **Directory Number**.
  - In the **Authentication ID** field, type the Cisco User ID.
  - In the **Password** field type the password used for the Digest Credential.
  - Keep the **SIP Registration** field checked.
  - In the **Register expiration (seconds)** fields, type 120.

**Figure 4-1. CyberData SIP Tab**

**SIP Settings**

Enable SIP operation: ☒

Register with a SIP Server: ☒

Primary SIP Server: 10.11.11.34

Primary SIP User ID: 1800

Primary SIP Auth ID: Outdoor Intercom 1

Primary SIP Auth Password: .....

Re-registration Interval (in seconds): 120

Backup SIP Server 1:

Backup SIP User ID:

Backup SIP Auth ID:

Backup SIP Auth Password:

Re-registration Interval (in seconds): 360

Backup SIP Server 2:

Backup SIP User ID:

Backup SIP Auth ID:

Backup SIP Auth Password:

Re-registration Interval (in seconds): 360

Remote SIP Port: 5060

Local SIP Port: 5060

SIP Transport Protocol: UDP

TLS Version: 1.2 only (recommended)

Verify Server Certificate: ☐

Outbound Proxy:

Outbound Proxy Port: 0

Use Cisco SRST: ☐

Disable rport Discovery: ☐

Unregister on Boot: ☐

Keep Alive Period: 10000

**Nightringer Settings**

SIP Server:

SIP User ID:

SIP Auth ID:

SIP Auth Password:

Re-registration Interval (in seconds): 360

**Dial Out Settings**

Dial out Extension: 204

Extension ID: id204

Send Multicast Audio: ☐

Multicast Address: 224.5.5.5

Multicast Port: 5050

Repeat Message: 1

**Call Disconnection**

Terminate Call after delay: 0

**Audio Codec Selection**

Codec: Auto Select

**RTP Settings**

RTP Port (even): 10500

Jitter Buffer: 50

RTP Encryption (sRTP): Disabled

Save Reboot Toggle Help

- Once the settings have been configured please press the **Save** button, then press the **Reboot** Button.
- Once the device has finished rebooting please confirm that the device shows registered on the Home Page.

**Figure 4-2.** Registration Status

Primary SIP Server:	Registered
Backup Server 1:	Not registered
Backup Server 2:	Not registered
Nightringer Server:	Not registered

7. If the device shows **Registered**, then please take a Cisco Phone that has already been registered and make a test call to confirm that audio can from the device.

## 5.0 Contact CyberData Corporation

### **Sales**

For sales-related questions, please visit our [Contact CyberData Sales](#) web page for more information.

### **Technical Support**

For CyberData Technical Support, please submit a [Contact CyberData VoIP Technical Support](#) form on our website.

The CyberData VoIP Technical Support Contact form initiates a troubleshooting ticket which CyberData uses for quality assurance purposes.

Additionally, the Contact VoIP Tech Support form tells us which phone system you are using, the make and model of the network switch, and other essential troubleshooting information we need to efficiently assist with a resolution. Please include as much detail as possible in the Describe Problem section of the form. The success of your installation is extremely important to us.

### **Documentation Feedback**

We realize changes to the software or hardware of the platform may render this document obsolete. We welcome and encourage documentation feedback to ensure continued applicability.