



Video Intercom Cisco Call Manager Setup Guide

Document Part #931414C

For use with CyberData Part Number:

011414 or 011410

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

Video Intercom Cisco Call Manager Setup Guide
Document # 931414C

COPYRIGHT NOTICE:

© 2021, CyberData Corporation, ALL RIGHTS RESERVED.

This configuration guide and related materials are the copyrighted property of CyberData Corporation. No part of this configuration guide or related materials may be reproduced or transmitted, in any form or by any means (except for internal use by licensed customers), without prior express written permission of CyberData Corporation. This configuration guide, and the products, software, firmware, and/or hardware described in this configuration guide are the property of CyberData Corporation, provided under the terms of an agreement between CyberData Corporation and recipient of this configuration guide, and their use is subject to that agreement and its terms.

DISCLAIMER: Except as expressly and specifically stated in a written agreement executed by CyberData Corporation, CyberData Corporation makes no representation or warranty, express or implied, including any warranty or merchantability or fitness for any purpose, with respect to this configuration guide or the products, software, firmware, and/or hardware described herein, and CyberData Corporation assumes no liability for damages or claims resulting from any use of this configuration guide or such products, software, firmware, and/or hardware. CyberData Corporation reserves the right to make changes, without notice, to this configuration guide and to any such product, software, firmware, and/or hardware.

OPEN SOURCE STATEMENT: Certain software components included in CyberData products are subject to the GNU General Public License (GPL) and Lesser GNU General Public License (LGPL) “open source” or “free software” licenses. Some of this Open Source Software may be owned by third parties. Open Source Software is not subject to the terms and conditions of the CyberData COPYRIGHT NOTICE or software licenses. Your right to copy, modify, and distribute any Open Source Software is determined by the terms of the GPL, LGPL, or third party, according to who licenses that software. Software or firmware developed by CyberData that is unrelated to Open Source Software is copyrighted by CyberData, subject to the terms of CyberData licenses, and may not be copied, modified, reverse-engineered, or otherwise altered without explicit written permission from CyberData Corporation.

TRADEMARK NOTICE: CyberData Corporation and the CyberData Corporation logos are trademarks of CyberData Corporation. Other product names, trademarks, and service marks may be the trademarks or registered trademarks of their respective owners.

Revision Information

- 6/23/2017 – Initial Release
- 7/7/2020 – CyberData Screenshot update
- 6/19/2021 – Removed mentions of Media Termination Point required

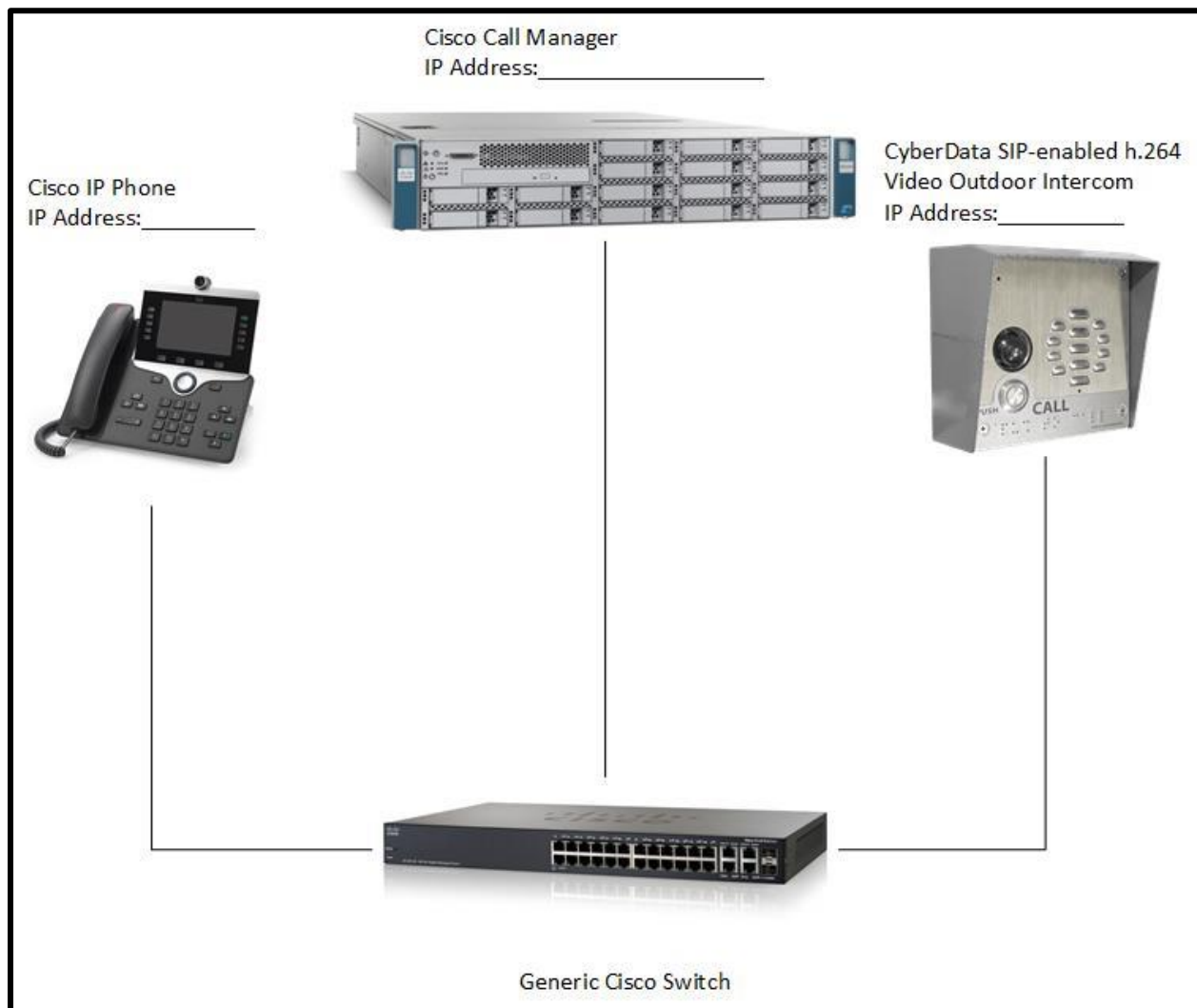
Table of Contents

Revision Information	2
1.0 Setup Diagram	4
2.0 Test Equipment	5
3.0 Verify in Cisco Call Manager that the IP Voice Media Streaming Application is Activated	6
3.1 Obtain the MAC Address from the CyberData Device to be Added to the System.....	9
3.2 Setup a New User in Cisco Call Manager	10
3.3 Set Up a New Phone Device in Cisco Call Manager	13
3.4 Create a New Directory Number (DN) and Associate it with the New Phone Device	21
3.5 Associate the Phone Device and Directory Number with the New User.....	24
4.0 Setup CyberData Device Parameters.....	27
4.1 Setting Up the CyberData Device Parameters	27
5.0 Contact CyberData Corporation	30

1.0 Setup Diagram

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

Figure 1-1. Setup Diagram



2.0 Test Equipment

Table 2-1. Test Setup Equipment

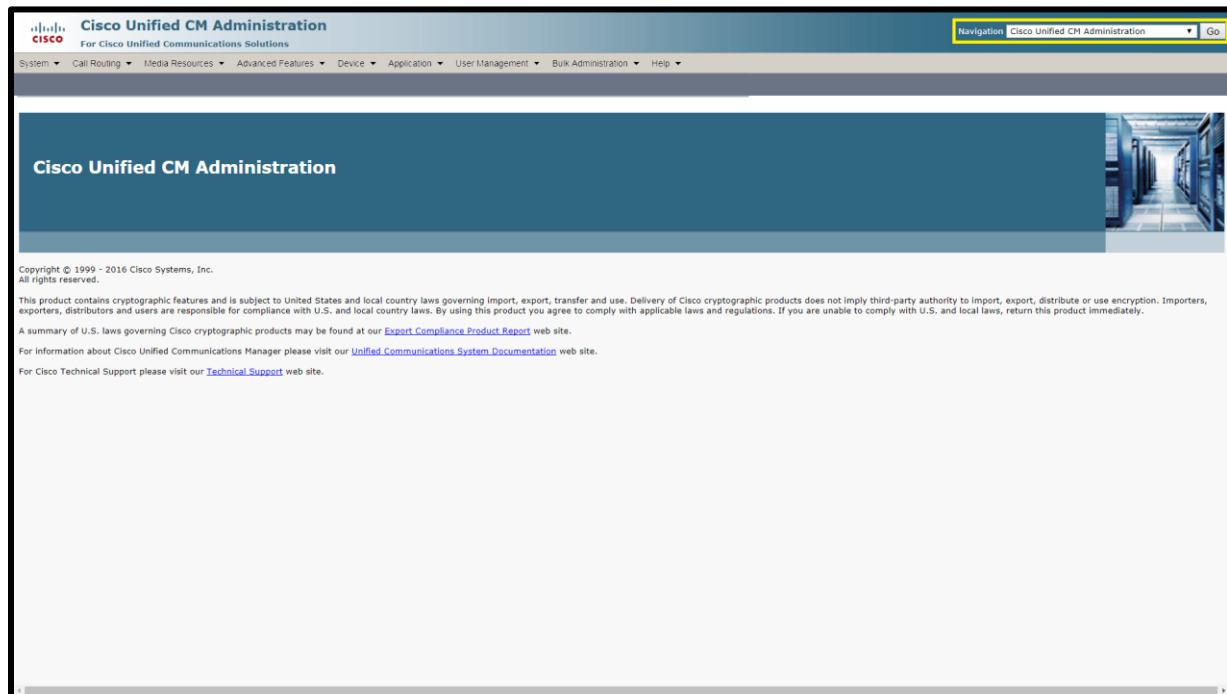
Equipment	Model	Version
Yealink Video Phone	T49G	51.80.0.100
Notes:		
CyberData SIP-enabled h.264 Video Outdoor Intercom	091410B	1.4.1
Notes:		
Netgear ProSafe POE Switch	FS108P	NA
Notes:		

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.

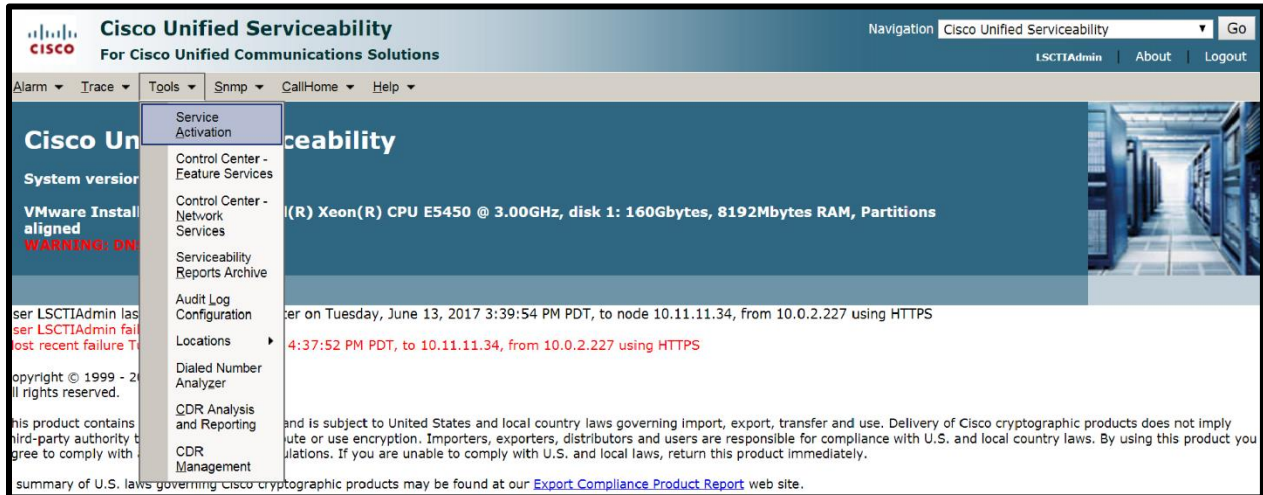
1. Log into Cisco Call Manager.
2. Click on the **Navigation** drop-down menu and select '**Cisco Unified Serviceability**'.
3. Click on the **Go** Button.

Figure 3-1. Main Page



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

Figure 3-2. Cisco Unified Serviceability Page



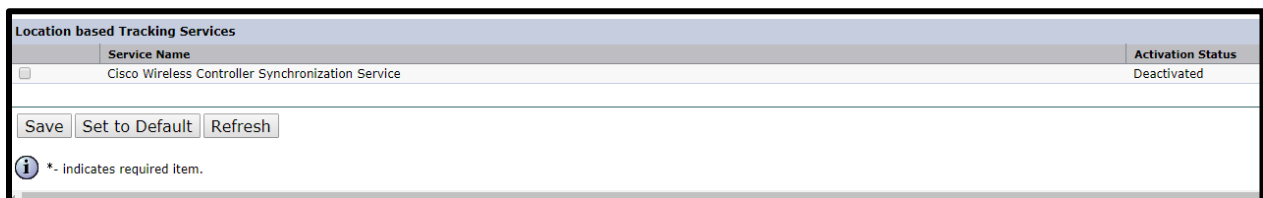
- Scroll to the **CM Services** section and check the activation status of the **Cisco IP Voice Media Streaming App**. If the **Activation Status** column does not display the word 'Activated' then click on the checkbox next to the **Cisco Voice Media Streaming App** service name to activate.

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

- 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 Video 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 Video Intercom Home Page**
Default Login:
Username: **admin**
Password: **admin**

Figure 3-6. CyberData Video Intercom Home Page

The screenshot displays the CyberData Outdoor Intercom web interface. At the top is a navigation bar with tabs: Home, Device, Video, Network, Sip, Multicast, Sensor, Audiofiles, Events, DSR, Autopro, and Firmware. The main title is "CyberData Outdoor Intercom". Below the title, there are three main sections: Current Status, Admin Settings, and Import Settings. The Current Status section lists various device parameters, with the Mac Address highlighted in a red box. The Admin Settings section includes fields for Username, Password, and Confirm Password, along with Save, Reboot, and Toggle Help buttons. The Import Settings section has a Choose File button and an Import Config button. Below these, there is an Export Settings section with an Export Config button. The bottom section of the interface lists various system settings, including IP Addressing, SIP Volume, Multicast Volume, Ring Volume, Sensor Volume, Microphone Gain, SIP Mode, Multicast Mode, Event Reporting, Nightringer, Primary SIP Server, Backup Server 1, Backup Server 2, and Nightringer Server.

Current Status	
Serial Number:	410000115
Mac Address:	00:20:f7:03:86:e3
Firmware Version:	v1.2.0
Partition 2:	v1.2.0
Partition 3:	v1.2.0
Booting From:	partition 2
Boot From Other Partition	
IP Addressing:	Static
IP Address:	10.0.5.70
Subnet Mask:	255.0.0.0
Default Gateway:	10.0.0.1
DNS Server 1:	10.0.0.1
DNS Server 2:	
SIP Volume:	1
Multicast Volume:	4
Ring Volume:	1
Sensor Volume:	4
Microphone Gain:	4
SIP Mode:	Disabled
Multicast Mode:	Disabled
Event Reporting:	Disabled
Nightringer:	Disabled
Primary SIP Server:	Not registered
Backup Server 1:	Not registered
Backup Server 2:	Not registered
Nightringer Server:	Not registered

Admin Settings	
Username:	admin
Password:	****
Confirm Password:	****
Save Reboot Toggle Help	

Import Settings	
Choose File	No file chosen
Import Config	

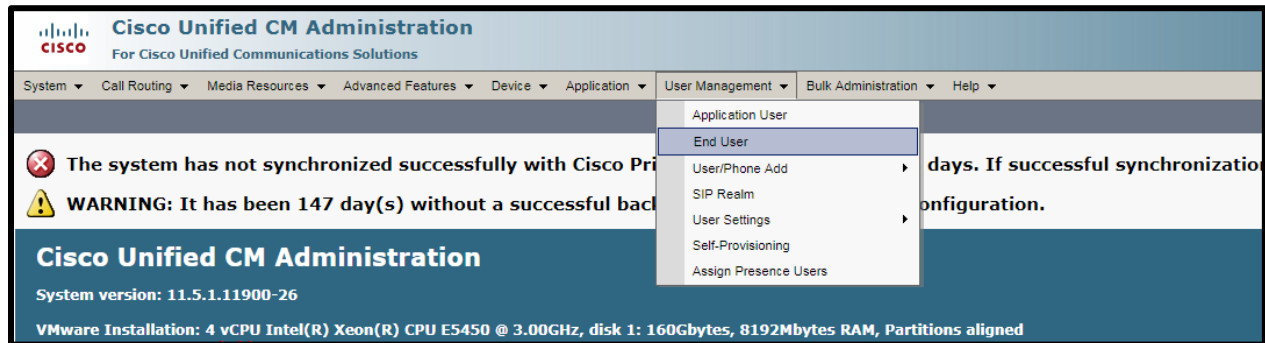
Export Settings	
Export Config	

3.2 Setup a New User in Cisco Call Manager

To setup a new user in Cisco Call Manager.

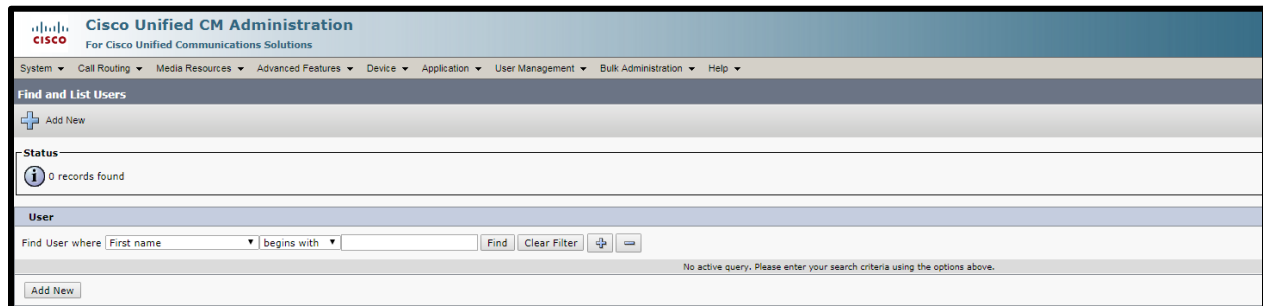
1. From the **Cisco Unified CM Administration** page. Go to the **User Management** menu and select **End User**. This will lead to the **Find and List Users** page.

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

User Information	
User Status	Enabled Local User
User ID*	Video 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	
Mail ID	
Manager User ID	
Department	
User Locale	< None >
Associated PC/Site Code	
Digest Credentials
Confirm Digest Credentials
User Profile	Use System Default("Standard (Factory Default) U" View Details
User Rank*	1-Default User Rank

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*

Video 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

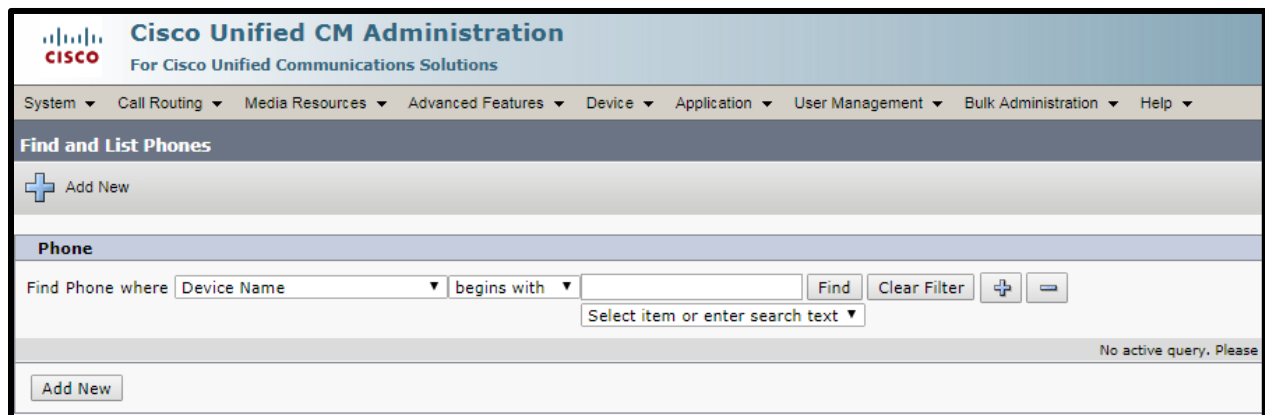
1. Go to the **Device** menu and select **Phone**. This will lead to the **Find and List Phones** menu.

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 (Advanced)** from the **Phone Type** drop-down menu.

Figure 3-13. Phone Configuration Page

Add a New Phone

Next

Status

Status: Ready

Create a phone using the phone type or a phone template

☒ Phone Type*
 or
 ☐ BAT Phone Template*

Next

*- indicates required it

 **- Create a phone ter

-- Not Selected --

Cisco TelePresence SX10
 Cisco TelePresence SX20
 Cisco TelePresence SX80
 Cisco TelePresence TX1310-65
 Cisco TelePresence TX9000
 Cisco TelePresence TX9200
 Cisco Unified Client Services Framework
 Cisco Unified Communications for RTX
 Cisco Unified Personal Communicator
 Generic Desktop Video Endpoint
 Generic Multiple Screen Room System
 Generic Single Screen Room System
 H.323 Client
 IMS-integrated Mobile (Basic)
 IP-STE
 Nokia S60
 Third-party AS-SIP Endpoint
Third-party SIP Device (Advanced)
 Third-party SIP Device (Basic)
 Transnova S3

plate-based phone creation.

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 Ethernet Address field of the CyberData Video Intercom.
Description Field	Type any description desired
Device Pool drop-down menu	Select Default
Phone Button Template Drop-down Menu	Select Third party SIP device (Advanced)
Owner User ID Drop-down menu	Select the name of the user, this was set in step 3 of Section 4.5
Device Security Profile drop-down menu	Select Third-Party Advanced - Standard SIP Non-Secure Profile .
SIP Profile drop-down menu	Select Standard SIP Profile .
Digest User drop-down menu	Select the name of the user, this was set in step 3 of Section 4.5

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

Figure 3-14. Phone Configuration Page

Phone Configuration

Save

Status

Status: Ready

Phone Type

Product Type: Third-party SIP Device (Advanced)
Device Protocol: SIP

Device Information

⚠ Device is not trusted

MAC Address*	0020F70386E3	
Description	Video Intercom 1	
Device Pool*	Default	View Details
Common Device Configuration	< None >	View Details
Phone Button Template*	Third-party SIP Device (Advanced)	
Common Phone Profile*	Standard Common Phone Profile	View Details
Calling Search Space	< None >	
AAR Calling Search Space	< None >	
Media Resource Group List	< None >	
Location*	Hub_None	
AAR Group	< None >	

6. In the **Description** field, type a description.

Note: In Figure 3-14 the name *Video Intercom 1* was used for the 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 (Advanced)**.

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

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 Advanced-Standard SIP Non-Secure Profile**.

Figure 3-16. Phone Configuration Page

The screenshot shows a web-based configuration page for a phone. It is divided into two main sections: 'Protocol Specific Information' and 'MLPP and Confidential Access Level Information'. The 'Protocol Specific Information' section contains several dropdown menus and checkboxes. The 'MLPP and Confidential Access Level Information' section contains three dropdown menus. At the bottom of the page is a 'Save' button.

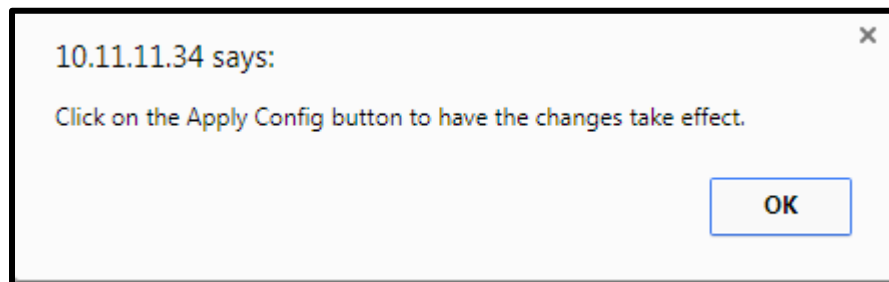
Protocol Specific Information	
BLF Presence Group*	Standard Presence group
MTP Preferred Originating Codec*	711ulaw
Device Security Profile*	Third-party SIP Device Advanced - Standard SIP No
Rerouting Calling Search Space	< None >
SUBSCRIBE Calling Search Space	< None >
SIP Profile*	Standard SIP Profile View Details
Digest User	Video Intercom 1
<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 >

[Save](#)

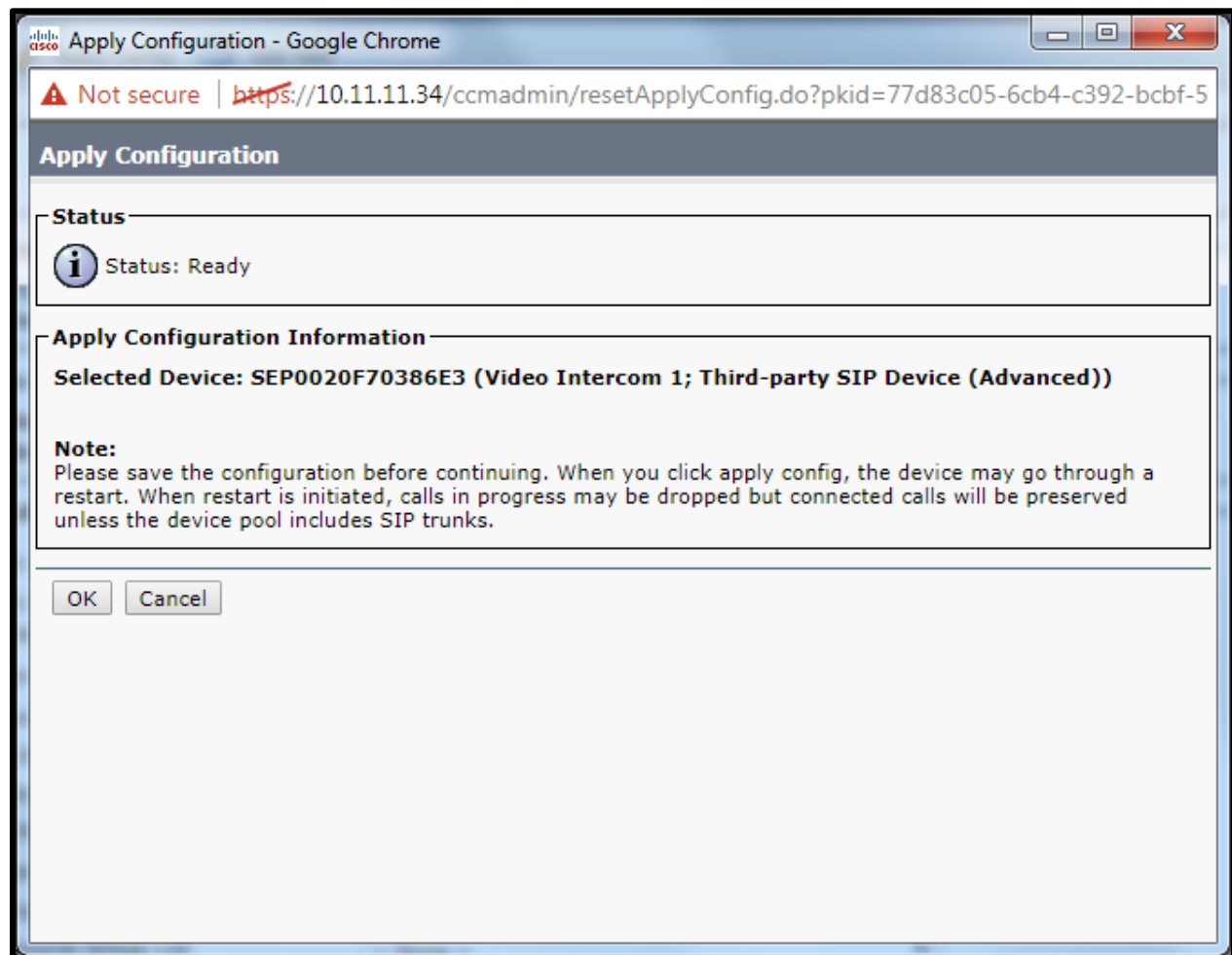
11. In the **SIP Profile** drop-down menu, select **Standard SIP Profile**.
12. In the **Digest user** drop-down menu, please select the name that was used in the **UserID** field in step 3 of [Section 3.2](#).
13. Click on the **Save** button at the bottom of the page. The page will take a moment to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

Figure 3-19. Association Information Section

The screenshot displays the Cisco Unified CM Administration web interface. The top navigation bar includes links for System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, Bulk Administration, and Help. The main header reads "Cisco Unified CM Administration For Cisco Unified Communications Solutions". Below this is a "Phone Configuration" section with buttons for Save, Delete, Copy, Reset, Apply Config, and Add New. A status message indicates "Add successful".

The "Association" section on the left lists eight lines, each with a "Line [X] - Add a new DN" link. The "Phone Type" section on the right shows "Product Type: Third-party SIP Device (Advanced)" and "Device Protocol: SIP". The "Real-time Device Status" section shows "Registration: Unknown" and "IPv4 Address: None". The "Device Information" section contains various fields and dropdown menus:

- Device is Active:** Checked (green checkmark).
- Device is not trusted:** Warning icon (yellow triangle).
- MAC Address*:** 0020F70386E3
- Description:** Video Intercom 1
- Device Pool*:** Default (with a "View Details" link)
- Common Device Configuration:** < None > (with a "View Details" link)
- Phone Button Template*:** Third-party SIP Device (Advanced)
- Common Phone Profile*:** Standard Common Phone Profile (with a "View Details" link)
- Calling Search Space:** < None >
- AAR Calling Search Space:** < None >
- Media Resource Group List:** < None >
- Location*:** Hub_None
- AAR Group:** < None >
- Device Mobility Mode*:** Default (with a "View Current Device Mobility Settings" link)

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 Cisco Unified CM Administration web interface. The top navigation bar includes links for System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, Bulk Administration, and Help. The main content area is titled 'Phone Configuration' and features a toolbar with icons for Save, Delete, Copy, Reset, Apply Config, and Add New. A status message indicates 'Add successful'. The 'Association' section on the left lists eight lines, each with a 'Line [X] - Add a new DN' link. The 'Phone Type' section on the right shows 'Product Type: Third-party SIP Device (Advanced)' and 'Device Protocol: SIP'. The 'Real-time Device Status' section displays 'Registration: Unknown' and 'IPv4 Address: None'. The 'Device Information' section contains various configuration fields: 'Device is Active' (checked), 'Device is not trusted' (warning icon), 'MAC Address*' (0020F70386E3), 'Description' (Video Intercom 1), 'Device Pool*' (Default), 'Common Device Configuration' (< None >), 'Phone Button Template*' (Third-party SIP Device (Advanced)), 'Common Phone Profile*' (Standard Common Phone Profile), 'Calling Search Space' (< None >), 'AAR Calling Search Space' (< None >), 'Media Resource Group List' (< None >), 'Location*' (Hub_None), 'AAR Group' (< None >), and 'Device Mobility Mode*' (Default). Each dropdown menu has a 'View Details' link next to it.

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

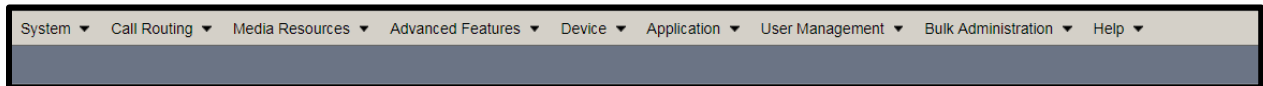
Line Settings for All Devices	
Hold Reversion Ring Duration (seconds)	<input type="text"/> Setting the Hold Reversion Ring Duration to zero will disable the feature
Hold Reversion Notification Interval (seconds)	<input type="text"/> Setting the Hold Reversion Notification Interval to zero will disable the feature
Party Entrance Tone*	<input type="text" value="Default"/>
Line 1 on Device SEP0020F70386E3	
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=" < None >"/>
Multiple Call/Call Waiting Settings on Device SEP0020F70386E3	
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)
Forwarded Call Information Display on Device SEP0020F70386E3	
<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.

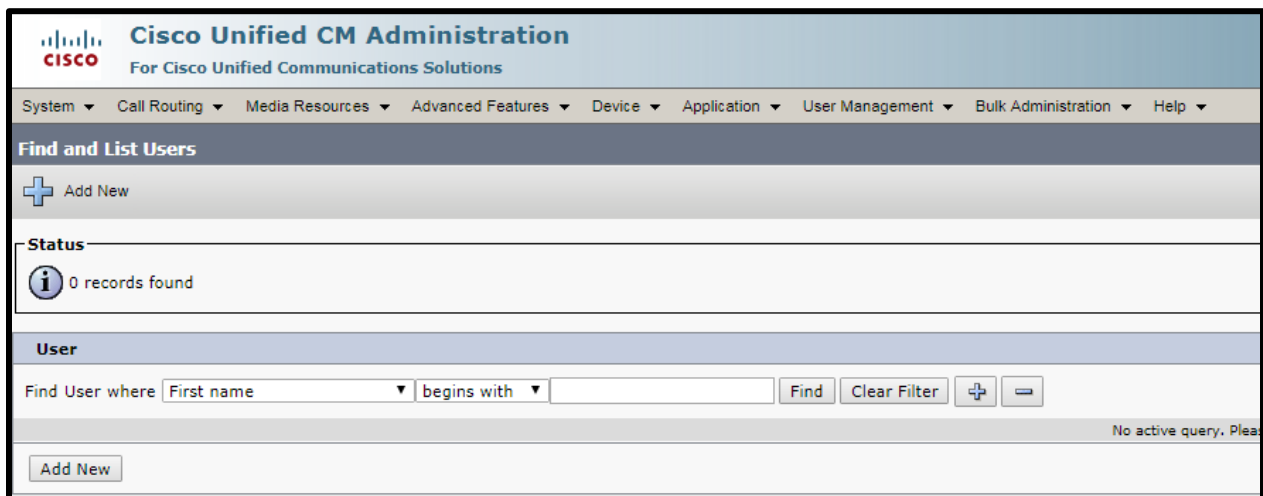
1. Please select the **User Management** menu and pick **End User** from the drop-down menu.
2. Click on **Find**.

Figure 3-23. Cisco Call Manager Toolbar



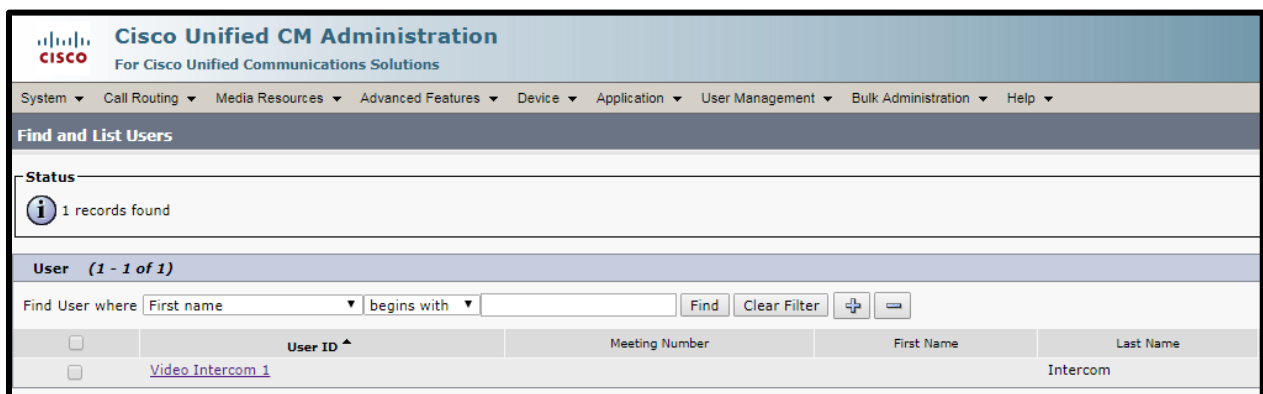
3. On the **Find and List Users** page, please click on the **Find** button.

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



5. 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.
6. 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

The screenshot shows the 'End User Configuration' page. The 'Device Information' section is expanded, revealing three main areas: 'Controlled Devices' (an empty list), 'Available Profiles' (a list containing '7970 EM', '8861', '8961 EM', and 'DX70'), and 'CTI Controlled Device Profiles' (an empty list). To the right of these sections are two buttons: 'Device Association' and 'Line Appearance Association for Presence'. The 'Device Association' button is highlighted.

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

The screenshot displays the 'User Device Association' page within the Cisco Unified CM Administration interface. At the top, there's a navigation bar with various tabs like 'System', 'Call Routing', etc. Below this, the 'User Device Association' section is active. It includes a search bar with the text 'Find User Device Association where Name begins with' and buttons for 'Find', 'Clear Filter', and a search icon. Below the search bar, there's a checkbox labeled 'Show the devices already associated with user'. The main part of the page is a table listing devices. Each row has a checkbox, a device icon, a 'Device Name', and a 'Line Appearance' field. The first row is selected, showing 'SEP0020F70386E3' and '1800'. Other rows include '1011330', '1011370', '1011370POD1', 'CTIRPDEMO', 'CTIRPDEMO1', 'CTIRPDEMO2', 'CTIRPDEMO3', 'CTIRVADIM', 'CTIRVADIM2', 'CTPDemo', 'CTPshabRP', 'CTPshabRP2', 'CollinCounty', 'SPMIVR', and 'VADIMPRISON'. At the bottom, there are buttons for 'Select All', 'Clear All', 'Select All In Search', 'Clear All In Search', 'Save Selected/Changes', and 'Remove All Associated'.

		Device Name	Line Appearance
<input checked="" type="checkbox"/>		SEP0020F70386E3	1800
<input type="checkbox"/>		1011330	9003*1XXXXXXXXXX
<input type="checkbox"/>		1011370	4000*1XXXXXXXXXX
<input type="checkbox"/>		1011370POD1	4400*XXXX
<input type="checkbox"/>		CTIRPDEMO	7000*1XXXXXXXXXX
<input type="checkbox"/>		CTIRPDEMO1	7001*1XXXXXXXXXX
<input type="checkbox"/>		CTIRPDEMO2	7003*XXXXXXXX1XXXXXXXXXX
<input type="checkbox"/>		CTIRPDEMO3	9001*XXXXXXXX1XXXXXXXXXX
<input type="checkbox"/>		CTIRVADIM	1702*1XXXXXXXXXX
<input type="checkbox"/>		CTIRVADIM2	1703*1XXXXXXXXXX
<input type="checkbox"/>		CTPDemo	9005*1XXXXXXXXXX
<input type="checkbox"/>		CTPshabRP	9000*1XXXXXXXXXX
<input type="checkbox"/>		CTPshabRP2	9002*1XXXXXXXXXX
<input type="checkbox"/>		CollinCounty	3000*XXXX
<input type="checkbox"/>		SPMIVR	5005*
<input type="checkbox"/>		VADIMPRISON	1704*1XXXXXXXXXX

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 includes three main areas: 'Controlled Devices' with a text field containing 'SEP0020F70386E3', 'Available Profiles' with a list box containing '7970 EM', '8861', '8961 EM', and 'DX70', 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'.

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 features a 'Primary Extension' dropdown menu with '1800' selected. Below the dropdown, there is a '< None >' option. The 'Mobility Information' section is partially visible below the dropdown.

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 Video Intercom, please refer to the SIP-enabled h.264 Video Outdoor Intercom Operations Manual which can be downloaded from the webpage:

<http://www.cyberdata.net/voip/011410/>

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 Video Intercom, 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 please press the 'RTFM' button to 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 Directory Number that was written down in step 2 of Section 4.7
Authentication ID	Type the Cisco User ID that was used for the Description field in step 3 of Section 4.5
Authentication Password	Use the password set on the end user page
SIP Registration	Select Yes
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

CyberData Corporation
3 Justin Court, Monterey, CA 93940
www.cyberdata.net
P 831.373.2601 | F 831.373.4193

The screenshot displays the 'Sip' configuration page of the CyberData Outdoor Intercom web interface. The top navigation bar includes links for Home, Device, Video, Network, Sip, Multicast, Sensor, Audiofiles, Events, DSR, Autoprov, and Firmware. The main heading is 'CyberData Outdoor Intercom'.

SIP Settings

- Enable SIP operation: ☒
- Primary SIP Server: 10.11.11.34
- Primary SIP User ID: 1800
- Primary SIP Auth ID: Video 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): 120
- 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
- Outbound Proxy:
- Outbound Proxy Port: 0
- Use Cisco SRST: ☐
- Register with a SIP Server: ☒
- 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: 1001
- Extension ID: id204

Call Disconnection

- Terminate Call after delay: 0

RTP Settings

- RTP Port (even): 10500
- Jitter Buffer: 50

Buttons: 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, please confirm that video is also displayed on the Cisco Phone.

Note: To display video the phone must support H.264 Video.

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.