



Video Intercom Cisco Call Manager Setup Guide

Document Part #931414B

For use with CyberData Part Number:

011414 or 011410

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Video Intercom Cisco Call Manager Setup Guide
Document # 931414B

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Revision Information

- 6/23/2017 – Initial Release
- 7/7/2020 – CyberData Screenshot update

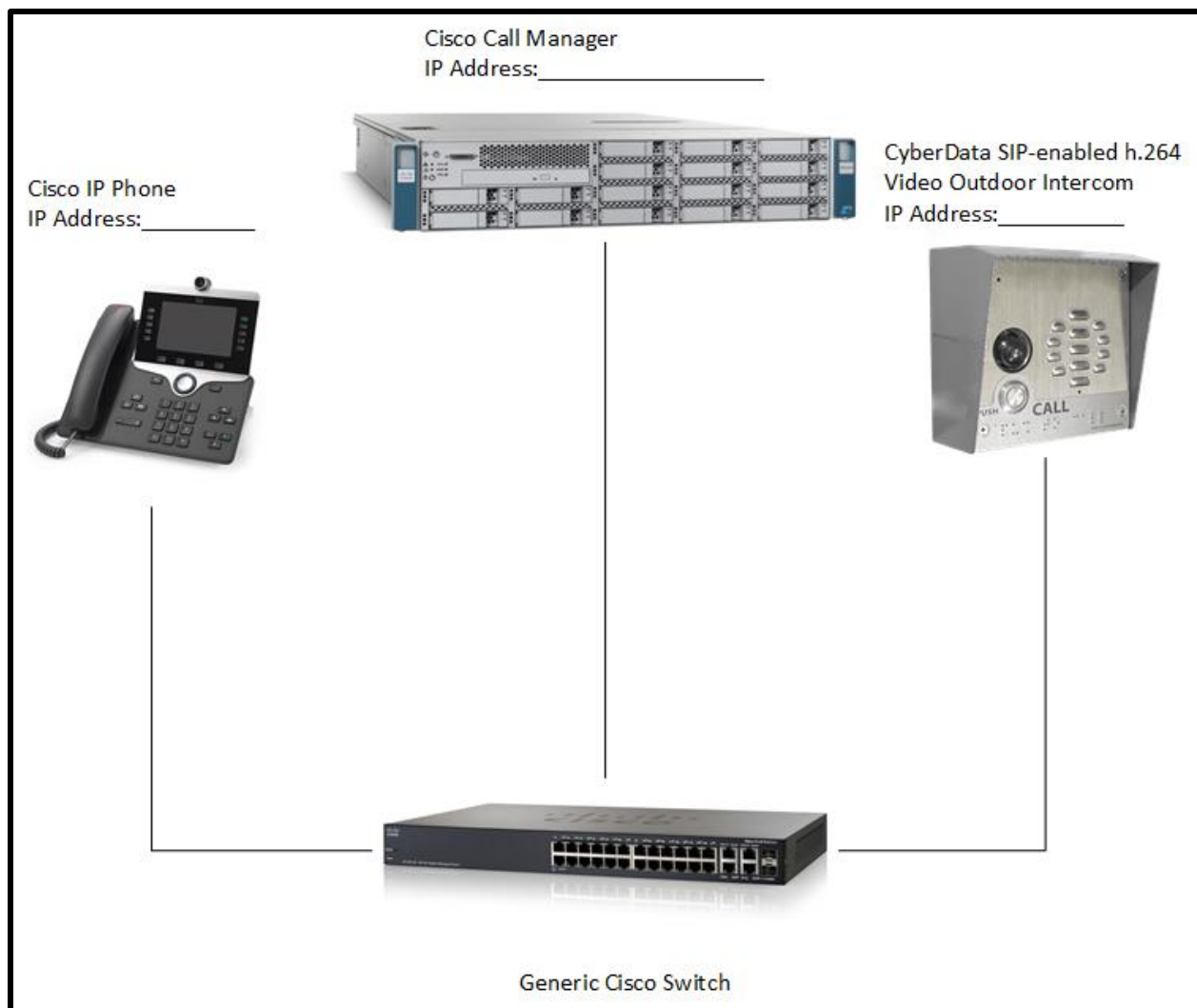
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1.0 Setup Diagram

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

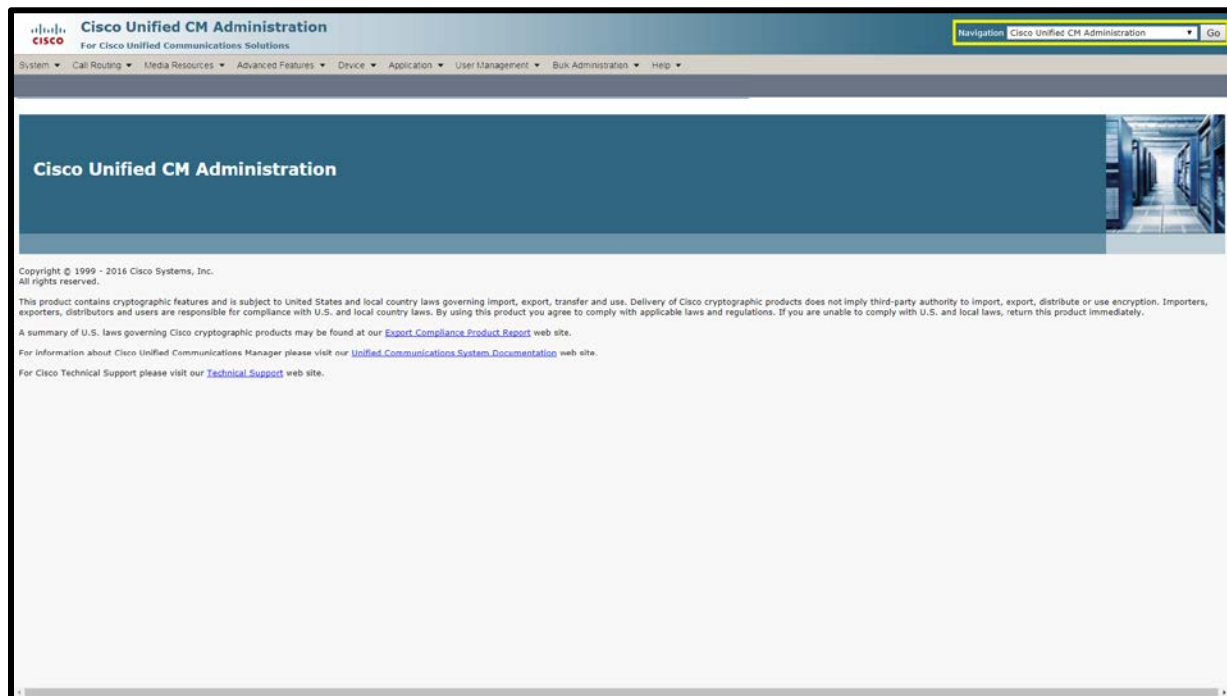
| Equipment | Model | Version |
|--|---------|-------------|
| Yealink Video Phone | T49G | 51.80.0.100 |
| Notes: | | |
| CyberData SIP-enabled h.264 Video Outdoor Intercom | 091410B | 1.4.1 |
| Notes: | | |
| Netgear ProSafe POE Switch | FS108P | NA |
| Notes: | | |

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.

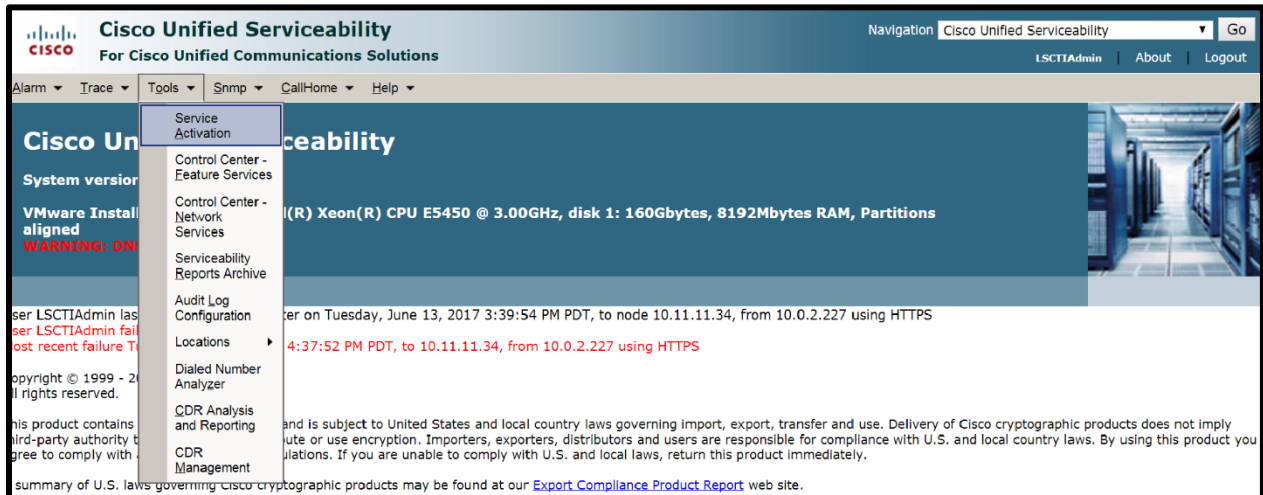
1. Log into Cisco Call Manager.
2. Click on the **Navigation** drop-down menu and select '**Cisco Unified Serviceability**'.
3. Click on the **Go** Button.

Figure 3-1. Main Page



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

Figure 3-2. Cisco Unified Serviceability Page



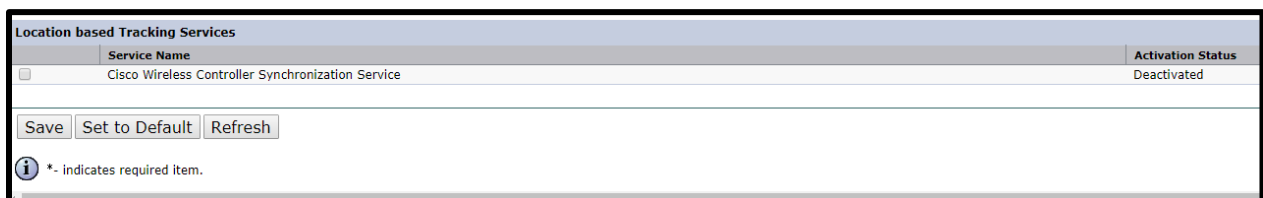
5. Scroll to the **CM Services** section and check the activation status of the **Cisco IP Voice Media Streaming App**. If the **Activation Status** column does not display the word 'Activated' then click on the checkbox next to the **Cisco Voice Media Streaming App** service name to activate.

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 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, Autoprov, and Firmware. The main heading is "CyberData Outdoor Intercom".

Current Status

| | |
|-------------------|-------------------|
| Serial Number: | 410000115 |
| Mac Address: | 00:20:17:03:86:e3 |
| Firmware Version: | v1.2.0 |
| Partition 1: | v1.2.0 |
| Partition 2: | v1.2.0 |
| Booting From: | partition 2 |

Below the table is a button labeled "Boot From Other Partition".

Admin Settings

Username: admin
Password: *****
Confirm Password: *****

Buttons: Save, Reboot, Toggle Help

Import Settings

Choose File | No file chosen
Import Config

Export Settings

Export Config

Network Settings

| | |
|------------------|-----------|
| 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: | |

Voice Settings

| | |
|-------------------|---|
| SIP Volume: | 1 |
| Multicast Volume: | 4 |
| Ring Volume: | 1 |
| Sensor Volume: | 4 |
| Microphone Gain: | 4 |

System Settings

| | |
|------------------|----------|
| SIP Mode: | Disabled |
| Multicast Mode: | Disabled |
| Event Reporting: | Disabled |
| Nightringer: | Disabled |

Server Settings

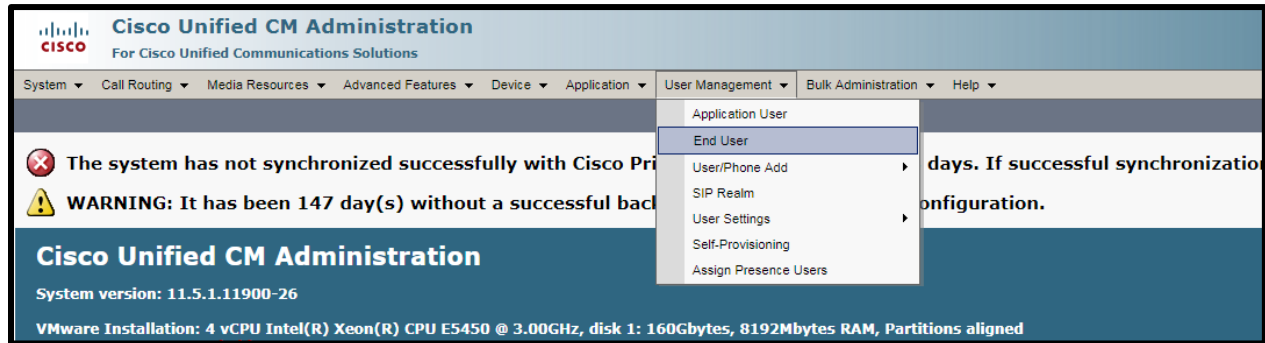
| | |
|---------------------|----------------|
| Primary SIP Server: | Not registered |
| Backup Server 1: | Not registered |
| Backup Server 2: | Not registered |
| Nightringer Server: | Not registered |

3.2 Setup a New User in Cisco Call Manager

To setup a new user in Cisco Call Manager.

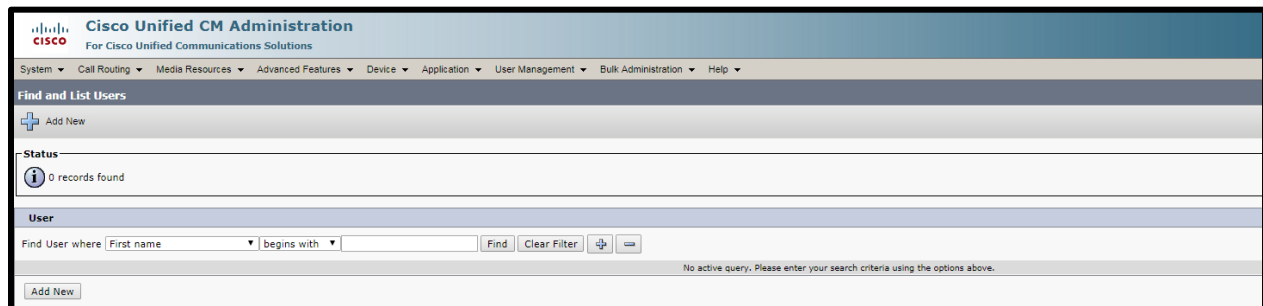
1. From the **Cisco Unified CM Administration** page. Go to the **User Management** menu and select **End User**. This will lead to the **Find and List Users** page.

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

| 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

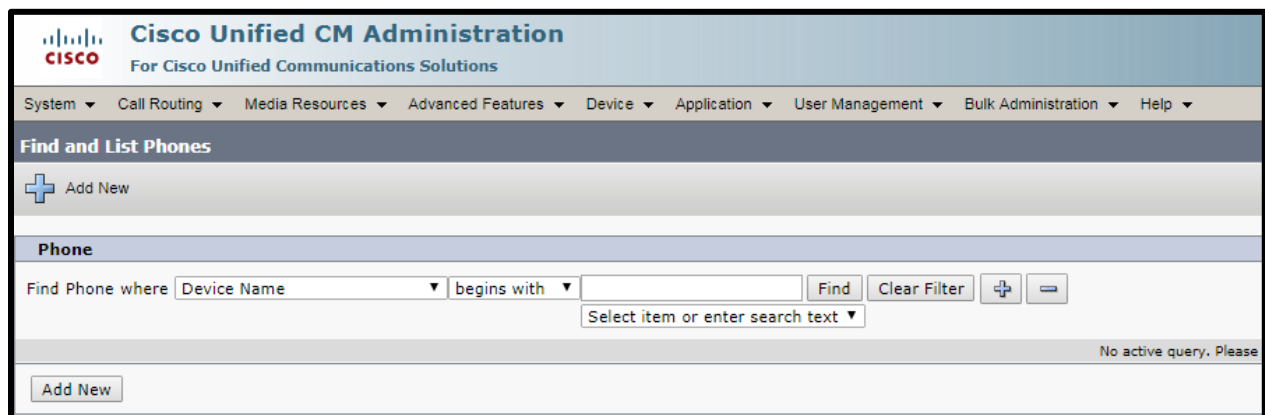
1. Go to the **Device** menu and select **Phone**. This will lead to the **Find and List Phones** menu.

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

| 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

| | |
|--|---|
| Owner | <input checked="" type="radio"/> User <input type="radio"/> Anonymous (Public/Shared Space) |
| Owner User ID* | Video 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 > ▼ |
| <input checked="" type="checkbox"/> Retry Video Call as Audio <input type="checkbox"/> Ignore Presentation Indicators (internal calls only) <input checked="" type="checkbox"/> Logged Into Hunt Group <input type="checkbox"/> Remote Device | |
| Number Presentation Transformation | |
| Caller ID For Calls From This Phone | |
| Calling Party Transformation CSS | < None > ▼ |
| <input checked="" type="checkbox"/> Use Device Pool Calling Party Transformation CSS (Caller ID For Calls From This Phone) | |
| Remote Number | |
| Calling Party Transformation CSS | < None > ▼ |
| <input checked="" type="checkbox"/> Use Device Pool Calling Party Transformation CSS (Device Mobility Related Information) | |

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 interface for configuring 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. A 'Save' button is located at the bottom left of the form.

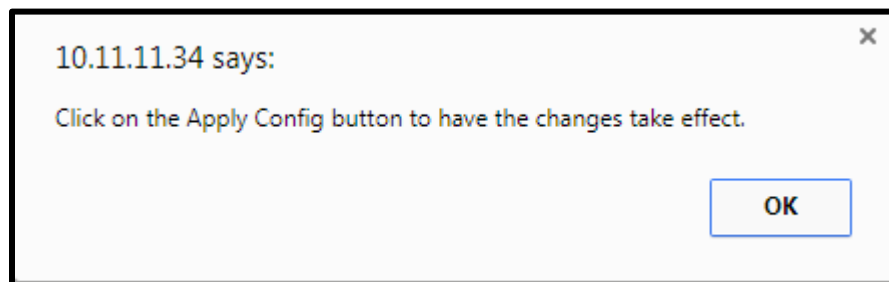
| Protocol Specific Information | |
|--|---|
| BLF Presence Group* | Standard Presence group |
| MTP Preferred Originating Codec* | 711ulaw |
| Device Security Profile* | Third-party SIP Device Advanced - Standard SIP No |
| Rerouting Calling Search Space | < None > |
| SUBSCRIBE Calling Search Space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

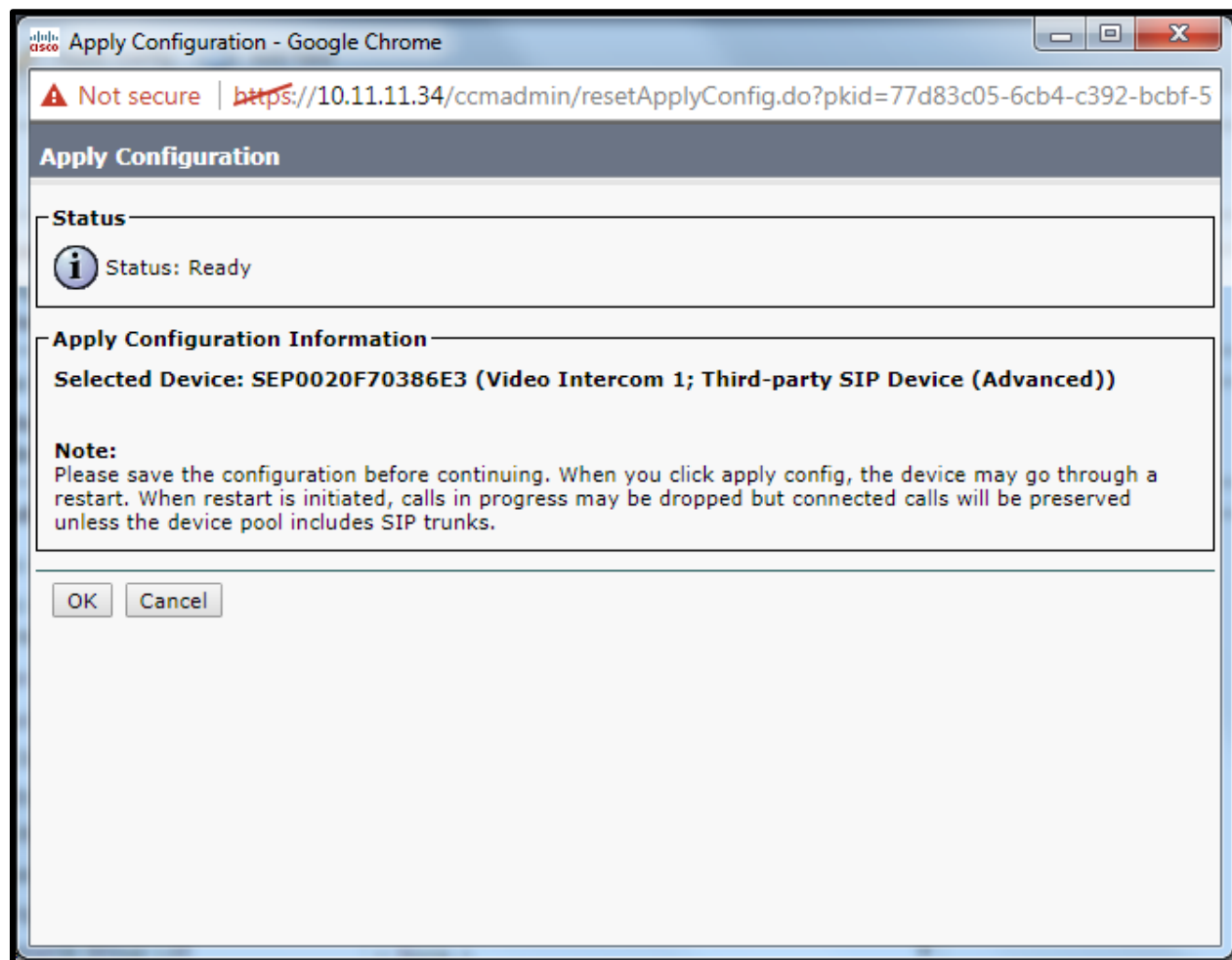
11. In the **SIP Profile** drop-down menu, select **Standard SIP Profile**.
12. In the **Digest user** drop-down menu, please select the name that was used in the **UserID** field in step 3 of [Section 3.2](#).
13. Click on the **Save** button at the bottom of the page. The page will take a moment to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

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

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

Phone Configuration

Save
 Delete
 Copy
 Reset
 Apply Config
 Add New

Status

Add successful

Association

1 **Line [1] - Add a new DN**

2 **Line [2] - Add a new DN**

3 **Line [3] - Add a new DN**

4 **Line [4] - Add a new DN**

5 **Line [5] - Add a new DN**

6 **Line [6] - Add a new DN**

7 **Line [7] - Add a new DN**

8 **Line [8] - Add a new DN**

Phone Type

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

Real-time Device Status

Registration: Unknown
IPv4 Address: None

Device Information

☒ Device is Active
 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 >
Device Mobility Mode* Default [View Current Device Mobility Settings](#)

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, including '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

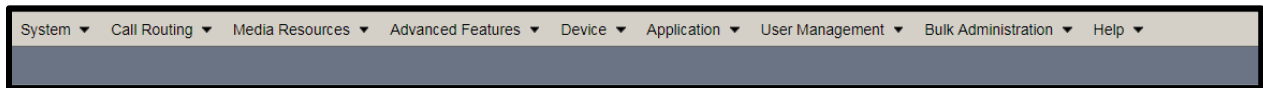
| | |
|--|---|
| Line Settings for All Devices | |
| Hold Reversion Ring Duration (seconds) | <input type="text"/> Setting the Hold Reversion Ring Duration to zero will disable the feature |
| Hold Reversion Notification Interval (seconds) | <input type="text"/> Setting the Hold Reversion Notification 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.

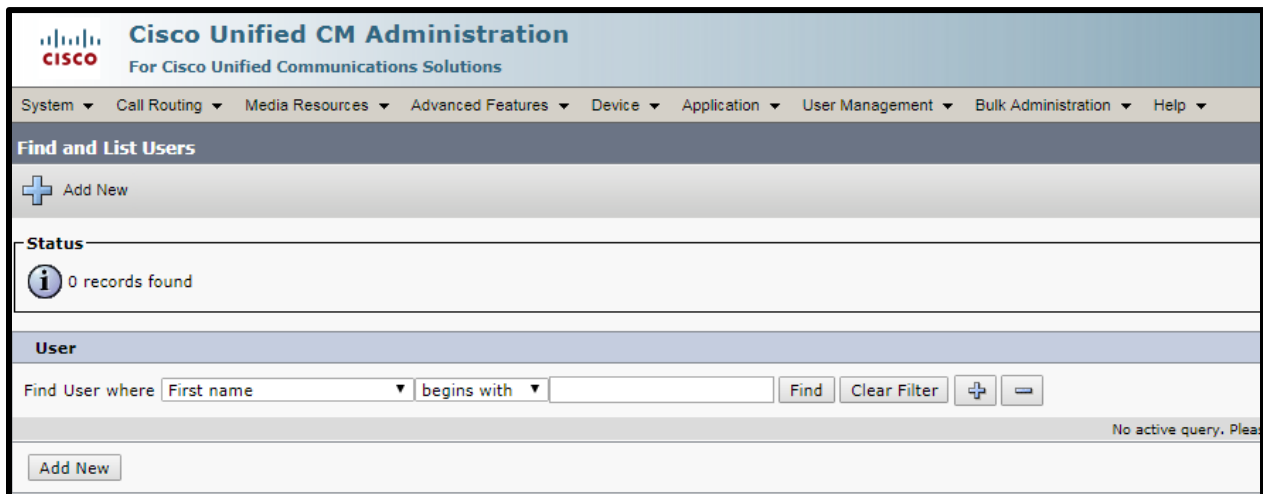
1. Please select the **User Management** menu and pick **End User** from the drop-down menu.
2. Click on **Find**.

Figure 3-23. Cisco Call Manager Toolbar



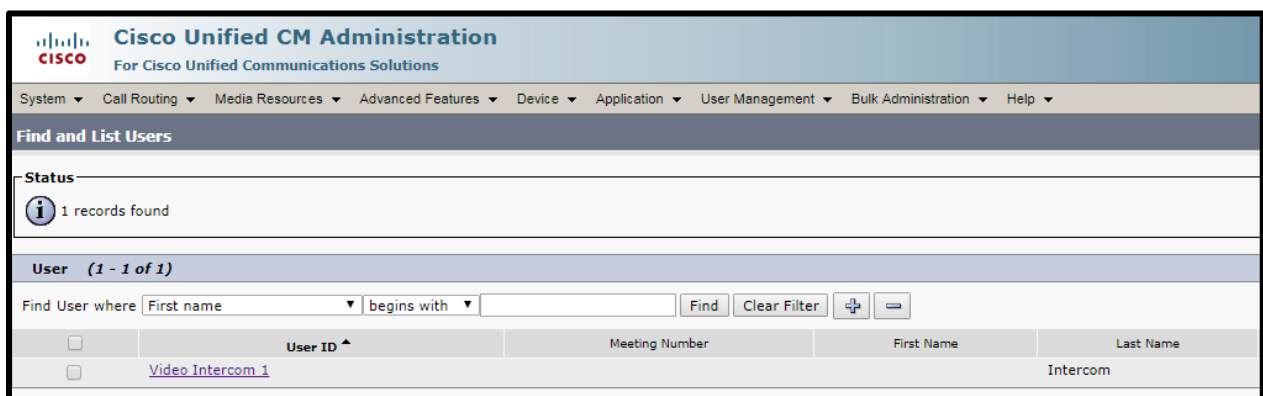
3. On the **Find and List Users** page, please click on the **Find** button.

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 highlighted. It contains three main areas: 'Controlled Devices' (an empty list), 'Available Profiles' (a list with 7970 EM, 8861, 8961 EM, and DX70), and 'CTI Controlled Device Profiles' (an empty list). To the right of these lists are two buttons: 'Device Association' and 'Line Appearance Association for Presence'.

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 shows the 'User Device Association' page in the Cisco Unified CM Administration interface. At the top, there's a navigation bar with various tabs like System, Call Routing, Media Resources, etc. Below this, the 'User Device Association' section is active. It features a search bar with a dropdown for 'Name' and a 'Find' button. Below the search bar, there's a table of devices. Each row has a checkbox for selection, a device icon, a 'Device Name' column, and a numeric value. At the bottom of the table, 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 | |
|-------------------------------------|--|-----------------|--------------------------|
| <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 showing '7970 EM', '8861', '8961 EM', and 'DX70', and 'CTI Controlled Device Profiles' with an empty list box. To the right, there 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 list of options: '< None >' and '1800'. The '1800' option is highlighted in blue. Below this, there 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 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

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

Save Reboot Toggle Help

5. Once the settings have been configured please press the **Save** button, then press the **Reboot** Button.
6. 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.