

Installing and Maintaining Avaya H100-Series Video Collaboration Stations

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Regulatory Statements

Australia Statements

Handset Magnets Statement



The handset receiver contains magnetic devices that can attract small metallic objects. Care should be taken to avoid personal injury.

Handset Amplification Statement

Enabling the amplified capability will result in the handset not being compliant to all Australian S004 requirements, but will allow the handset to be fully compliant with United States 508 Section 1194.23(f) Standards.

Industry Canada (IC) Statements

RSS Standards Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- 1. This device may not cause interference, and
- 2. This device must accept any interference, including interference that may cause undesired operation of the device

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- 1. L'appareil ne doit pas produire de brouillage, et
- 2. L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radio Transmitter Statement

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radiation Exposure Statement

This device complies with Industry Canada's RF radiation exposure limits set forth for the general population (uncontrolled environment) and must not be co-located or operated in conjunction with any other antenna or transmitter.

Cet appareil est conforme aux limites d'exposition aux rayonnements RF d'Industrie Canada énoncés dans la population générale (environnement non contrôlé) et ne doivent pas être co-situés ou exploités conjointement avec une autre antenne ou émetteur.

Japan Statements

Class B Statement

This is a Class B product based on the standard of the VCCI Council. If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

Denan Power Cord Statement



Danger:

Please be careful of the following while installing the equipment:

- · Please only use the connecting cables, power cord, and AC adapters shipped with the equipment or specified by Avaya to be used with the equipment. If you use any other equipment, it may cause failures, malfunctioning, or fire.
- · Power cords shipped with this equipment must not be used with any other equipment. In case the above guidelines are not followed, it may lead to death or severe injury.



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México Statement

The operation of this equipment is subject to the following two conditions:

- 1. It is possible that this equipment or device may not cause harmful interference, and
- 2. This equipment or device must accept any interference, including interference that may cause undesired operation.

La operación de este equipo está sujeta a las siguientes dos condiciones:

- 1. Es posible que este equipo o dispositivo no cause interferencia perjudicial y
- Este equipo o dispositivo debe aceptar cualquier 2. interferencia, incluyendo la que pueda causar su operación no deseada.

Power over Ethernet (PoE) Statement

This equipment must be connected to PoE networks without routing to the outside plant.

Taiwan Low Power Radio Waves Radiated Devices Statement

802.11b/802.11g/BT:

Article 12 — Without permission granted by the NCC, any company, enterprise, or user is not allowed to change frequency, enhance transmitting power or alter original characteristic as well as performance to an approved low power radio-frequency devices.

Article 14 — The low power radio-frequency devices shall not influence aircraft security and interfere legal communications; If found, the user shall cease operating immediately until no interference is achieved. The said legal communications means radio communications is operated in compliance with the Telecommunications Act. The low power radio-frequency devices must be susceptible with the interference from legal communications or ISM radio wave radiated devices.

802.11b/802.11g/BT 警語:

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U.S. Federal Communications Commission (FCC) Statements

Compliance Statement

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating to conjunction with any other antenna or transmitter.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and
- This device must accept any interference received, including interferences that may cause undesired operation.

Class B Part 15 Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designated to provide reasonable protection against harmful interferences in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interferences to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antenna.
- · Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 8 in or 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

EU Countries

This device complies with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration may be obtained from http://support.avaya.com or Avaya Inc., 211 Mt. Airy Road, Basking Ridge, NJ 07920 USA.

General Safety Warning

- Use only the Avaya approved Limited Power Source power supplies specified for this product.
- There is a risk of explosion if you use an incorrect type of battery in the DECT handset. Replace used batteries with the correct battery type: Nickel Metal Hydride (NiMH), rechargeable, size AAA.
 - This product uses NiMH batteries which are recyclable and must not be disposed of as municipal waste to reduce the risk of releasing substances into the environment. At the end of the battery's useful life, remove the rechargeable batteries and take them to the nearest battery collection location to be recycled.
- Ensure that you:
 - Do not operate the device near water.
 - Do not use the device during a lightning storm.
 - Do not report a gas leak while in the vicinity of the leak.
 - Limit the power to the device over telecommunications wiring to 36-57 volt DC or ≤ 1.3 ampere DC.

To ensure the EMC Class B compliance when using a Collaboration Station with an external HDMI monitor, the monitor must be of a type with an external AC or DC power supply.

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Chapter 1: Introduction

Purpose

This document contains information about preparing the Avaya H100-Series Video Collaboration Stations for installation, deployment, initial administration, maintenance and troubleshooting.

Intended audience

This document is intended for people who install and maintain the Avaya H100-Series Video Collaboration Stations. Before deploying the product, ensure that you have the following knowledge, skills, and tools:

Knowledge

- DHCP
- SIP
- Installing and configuring Avaya Aura® components
- · Installing and configuring IP Office components

Skills

How to administer and configure:

- Avaya Aura[®] Session Manager
- Avaya Aura[®] Communication Manager
- Avaya Aura[®] Presence Services
- Avaya Aura[®] Session Border Controller
- Avaya Aura[®] Conferencing
- Avaya Scopia[®]
- IP Office
- DHCP server
- HTTP or HTTPS server
- Microsoft Exchange Server

Tools

- Avaya Aura[®] System Manager
- IP Office Manager
- IP Office Web Manager

Related resources

Documentation

See the following related documents at <u>http://support.avaya.com</u>.

Title	Use this document to:	Audience
Overview		
Avaya H100-Series Video Collaboration Stations Overview and Specification	See characteristics and capabilities, including feature descriptions, interoperability, performance specifications, security and licensing requirements of the Avaya H100-Series Video Collaboration Stations.	For people who want to gain a high-level understanding of the Avaya H100-Series Video Collaboration Stations features, functions, capacities, and limitations.
Avaya Aura [®] Session Manager Overview and Specification	See characteristics and capabilities, including feature descriptions, interoperability, performance specifications, security and licensing requirements of the Avaya Aura [®] Session Manager.	For people who want to gain a high-level understanding of the Avaya Aura [®] Session Manager features, functions, capacities, and limitations.
Implementing		
Deploying Avaya Aura [®] Session Manager	See the installation procedures and initial administration information for Avaya Aura [®] Session Manager.	For people who install, configure, and verify Avaya Aura [®] Session Manager on Avaya Aura [®] System Platform.
Upgrading Avaya Aura® Session Manager	See upgrading checklists and procedures.	For people who perform upgrades of Avaya Aura [®] Session Manager.

Title	Use this document to:	Audience
Deploying Avaya Aura [®] System Manager on System Platform	See the installation procedures and initial administration information for Avaya Aura [®] System Manager.	For people who install, configure, and verify Avaya Aura [®] System Manager on Avaya Aura [®] System Platform at a customer site.
Deploying Avaya Aura [®] Conferencing: Basic Installation	See the installation procedures and initial administration for Avaya Aura [®] Conferencing.	For people who install and configure Avaya Aura [®] Conferencing.
Deploying Avaya IP Office [™] Platform as an Enterprise Branch with Avaya Aura [®] Session Manager	See the installation procedures and initial administration for IP Office [™] Platform as an Enterprise Branch with Avaya Aura [®] Session Manager.	For people who install and configure IP Office [™] Platform as an Enterprise Branch with Avaya Aura [®] Session Manager.
Installing and Maintaining Avaya IP Office [™] Platform Application Server	See the installation procedures and initial administration for IP Office [™] Platform Application Server.	For people who install and configure IP Office [™] Platform Application Server.
Installation guide for Avaya Scopia [®] Management	See the installation procedures and initial administration for Avaya Scopia [®] .	For people who install and configure Avaya Scopia [®] .
Administering		
Administering Avaya H100-Series Video Collaboration Stations	See information about how to perform Avaya H100-Series Video Collaboration Stations administration tasks including how to use management tools, how to manage data and security, and how to perform periodic maintenance tasks.	For people who perform Avaya H100- Series Video Collaboration Stations system administration tasks such as backing up and restoring data and managing users.
Administering Avaya Aura [®] Session Manager	See information about how to perform Avaya Aura [®] Session Manager administration tasks including how to use management tools, how to manage data and security, and how to perform periodic maintenance tasks.	For people who perform Avaya Aura [®] Session Manager system administration tasks.
Administering Avaya Aura [®] System Manager for Release 7.0.1	See information about how to perform Avaya Aura [®] System Manager administration tasks including how to use management tools, how to manage data and security, and how to perform periodic maintenance tasks.	For people who perform Avaya Aura [®] System Manager administration tasks.
Administering Avaya Aura [®] Conferencing	See information about how to perform Avaya Aura [®] Conferencing administration tasks.	For people who perform Avaya Aura [®]

Title	Use this document to:	Audience
		Conferencing administration tasks.
Avaya Scopia [®] Management Administrator Guide	See information about how to perform Avaya Scopia [®] administration tasks.	For people who perform Avaya Scopia [®] administration tasks.
Administering Avaya IP Office™ Platform with Manager	See information about how to perform Avaya IP Office [™] Platform with Manager tasks.	For people who perform Avaya IP Office [™] Platform with Manager tasks.
Administering Avaya IP Office™ Platform with Web Manager	See information about how to perform Avaya IP Office [™] Platform with Web Manager tasks.	For people who perform Avaya IP Office™ Platform with Web Manager tasks.
Maintaining		
Maintaining Avaya Aura [®] Session Manager	See information about the maintenance tasks for Avaya Aura [®] Session Manager.	For people who maintain Avaya Aura [®] Session Manager.
Troubleshooting Avaya Aura [®] Session Manager	See information for troubleshooting Avaya Aura [®] Session Manager, resolving alarms, replacing hardware, and alarm codes and event ID descriptions.	For people who troubleshoot Avaya Aura [®] Session Manager.
Using		
Using Avaya H175 Video Collaboration Station	See capabilities of the Avaya H175 Video Collaboration Station and to learn about how various features work.	For people who want to learn how to use Avaya H175 Video Collaboration Station features.
Avaya H175 Video Collaboration Station Quick Reference	See frequently used tasks.	For people who want to learn how to use Avaya H175 Video Collaboration Station features.

Related links

Finding documents on the Avaya Support website on page 11

Finding documents on the Avaya Support website

About this task

Use this procedure to find product documentation on the Avaya Support website.

Procedure

- 1. Use a browser to navigate to the Avaya Support website at http://support.avaya.com/.
- 2. At the top of the screen, enter your username and password and click Login.

- 3. Put your cursor over **Support by Product**.
- 4. Click Documents.
- 5. In the **Enter your Product Here** search box, type the product name and then select the product from the drop-down list.
- 6. If there is more than one release, select the appropriate release number from the **Choose Release** drop-down list.
- 7. Use the **Content Type** filter on the left to select the type of document you are looking for, or click **Select All** to see a list of all available documents.

For example, if you are looking for user guides, select **User Guides** in the **Content Type** filter. Only documents in the selected category will appear in the list of documents.

8. Click Enter.

Related links

Documentation on page 9

Support

Go to the Avaya Support website at <u>http://support.avaya.com</u> for the most up-to-date documentation, product notices, and knowledge articles. You can also search for release notes, downloads, and resolutions to issues. Use the online service request system to create a service request. Chat with live agents to get answers to questions, or request an agent to connect you to a support team if an issue requires additional expertise.

Chapter 2: Avaya H100-Series Video Collaboration Stations overview

The Avaya H100-Series Video Collaboration Stations are SIP-based VoIP HD video deskphones that enterprises can use for audio, video, and conference communications. The Collaboration Stations combine the functionality of a business telephone and an executive video conference system.



You can use the Collaboration Station as:

- A traditional video phone by mounting the camera on the device.
- A high-end conference system by mounting the camera on an external monitor.

You can also connect the Collaboration Station and your personal computer to an external monitor to get the picture-in-picture (PiP) functionality as shown in the image below.



Related links

<u>Specifications</u> on page 14 <u>Product compatibility</u> on page 17 <u>Packaged components</u> on page 17 <u>Connectors and controls</u> on page 18

Specifications

Specification	Category	H175
	Display	7–inch IPS LCD display, capacitive touchscreen, 16 M colors, and a resolution of 1280 x 800 px.
	Audio	Wideband audio through handset, headset, and speakerphone.
		• Supported audio codecs are G.711 A-law/mu-law, G.722, G.729A/AB, G. 726-32.
	Video	• Full HD, two way video calls up to 1080p 30 frames per second.
		H.264 AVC baseline and high profile.
		Support external monitors with resolutions up to 1080p.
Hardware		• Zero latency, display pass-through with Picture-in-Picture functionality for sharing an external monitor with a computer.
		User control for video window size and position.
		• Dynamic adaptation of incoming bit-rate to the current video window size for bandwidth saving.
	Camera	Detachable Full HD video camera (1920x1080) optimized for office use.
		Bright, f2.0 lens for a superior performance in low light.
		Camera that can be mounted on the device or on an external monitor.
		Mechanical privacy shutter.

		Activity LED.
	Handset	• Wireless handset, which is available in specific countries, supports DECT 6.0 and has call control, mute, and volume buttons.
		Optional wired handset.
	Physical security	Kensington security slot.
	Physical	• Dialpad: 0-9, *, and #.
	buttons and	Volume up and volume down buttons.
		Audio mute and video block buttons.
		Speakerphone and headset buttons.
		Message Waiting Indicator LED.
		LED touch buttons.
	Connectors	• RJ45 primary Gigabit Ethernet (10/100/1000 Mbps) PoE LAN port.
		RJ45 secondary Gigabit Ethernet (10/100/1000 Mbps) port for personal computer.
		USB dedicated camera port.
		• USB 2.0 charging port with up to 1.5 A power to rapidly recharge smartphones and tablets.
		Two USB 2.0 general purpose ports.
		USB 2.0 micro AB port.
		• Digital display video output port capable of supporting a monitor with up to 1080p.
		• Digital display input port capable of handling digital video from a personal computer for picture-in-picture video overlay support.
		RJ9 analog handset port.
		RJ9 analog headset port.
		SD card slot is not currently supported.
		• 48 V AC power supply.
	Processor	Freescale i.Mx6 1.0 GHz quad-core ARM Cortex-A9 processor.
	Storage	4GB eMMC flash memory configured as SLC.
	Memory	2 GB of RAM.
	Ethernet	Gigabit Ethernet.
	Wi-Fi	Dual-band, 2.4 GHz and 5 GHz, 802.11a/b/g/n.
Connectivity	Bluetooth	Supports:
		• Bluetooth 4.0.
		Headset profile.

	Ethernet	• IEEE 802.3at.
Power		Single Port PoE injector (SPPoE).
	AC power	External 30 W AC power adapter.
		USB headset, keyboard, and mouse.
Accessory	-	Bluetooth HID-keyboard and mouse.
		Bluetooth headsets.
		Android 4.3 operating system.
		Avaya Aura [®] features.
		- Audio and video call management.
		 Advanced call management, such as call forwarding, call transfer, call park, and bridged call appearances.
		IP Office v10.0 features.
		- Audio and video call management.
		- Synchronize user contacts with Avaya one-X [®] Portal.
		 Audio and video call with Avaya Scopia[®] Elite MCU and Avaya Aura[®] Conferencing with roster control.
		Microsoft Exchange Server calendar and contacts integration.
Software features	-	- Microsoft Exchange Server calendar integration with built-in click-to-call support.
		Contact app
		- Synchronize contacts with Microsoft Exchange Server .
		- Synchronize user contacts with Avaya Aura [®] System Manager.
		- Synchronize user contacts with Avaya one-X [®] Portal.
		 Publish and display presence status with Avaya Aura[®] Presence Services integration.
		• Enhanced user interface shared with Avaya Communicator 2.0 optimized for touchscreen.
		HTML 5 browser with built-in click-to-call support.
		History, Calculator, and Alarm clock apps.
		Online help.
		Screen lock facility.
		• 802.1x EAP-TLS and EAP-MD5 over the Ethernet interface.
Security		• Wi-Fi WEP, WPA/WPA2 PSK, and 802.1x EAP, where for 802.1x EAP following features are supported:
		- EAP-PEAP with MSCHAPV2 and EAP-GTC as phase 2 authentication methods.

- EAP-TLS.
 EAP-TTLS with MSCHAP, MSCHAPV2, and EAP-GTC as phase 2 authentication methods.
- EAP-PWD.
• Trusted certificate repository configured through the settings file to be used by all applications.
• Android built in certificates are used in addition to trusted certificates for the browser and Microsoft Exchange Server.
Identity certificate generation using SCEP.
Support SIP signaling over TLS.
Media encryption (SRTP) using AES-128 and AES-256.
Supports SRTCP (authentication only).
User information, such as MS Exchange credentials, call logs, and browser history, is erased when a new user logs in.

Related links

Avaya H100-Series Video Collaboration Stations overview on page 13

Product compatibility

For the latest compatibility information about the Avaya H175 Video Collaboration Station with:

- Other products, see Compatibility Matrix.
- Headsets, see <u>DevConnect Portal</u>.

Related links

Avaya H100-Series Video Collaboration Stations overview on page 13

Packaged components

Ensure that the package contains the following parts:

- The Collaboration Station base
- Wireless handset
- Two AAA rechargeable batteries
- Ethernet cable
- Camera
- 2-meter USB cable

The camera and USB cable are packaged in a separate box.

The package might also contain the following optional components:

- Wired handset with a handset cord
- · Charging pins cover

You might also get a package of an AC power adapter and cord if you ordered one for the device.

Related links

Avaya H100-Series Video Collaboration Stations overview on page 13

Connectors and controls

Rear Panel



Number	Name
1	Power connector
2	RJ45 10/100/1000 Mbps Gigabit Ethernet connector
3	RJ45 10/100/1000 Mbps Gigabit Ethernet personal computer connector
4	USB 2.0 connector
5	USB 2.0 high-power gadget charging connector
	As the port uses only the spare power, the charging speed may vary based on whether power supply is through AC, PoE, or SP-PoE
6	USB camera connector
7	Digital video display out connector
8	Digital video display in connector

Side panel



Number	Name
1	USB 2.0 connector
2	USB 2.0 micro AB connector
3	RJ9 analog headset connector
4	RJ9 analog handset connector

Front panel

-	
1	

Number	Name
1	SD card slot that is currently not supported

Related links

Avaya H100-Series Video Collaboration Stations overview on page 13

Chapter 3: Initial setup and connectivity

Installation checklist

Use the following checklist to see the tasks that you must perform to install Collaboration Station.

No	Task	Reference	~
1.	Check the prerequisites.	See Prerequisites on page 20.	
2.	Gather preinstallation data.	See <u>Preinstallation data gathering</u> on page 21.	
3.	Configure the servers.	See Server configurations on page 24.	
4.	Configure the settings file.	See <u>Configuring the settings file</u> on page 39.	
5.	Create users on Avaya Aura [®] System Manager.	See <u>Creating users on System</u> <u>Manager</u> on page 27.	
6.	Create users on IP Office Web Manager .	See Administering Avaya IP Office™ Platform with Web Manager.	
7.	Assemble the Collaboration Station.	See <u>Assembling the Collaboration</u> <u>Station</u> on page 27.	
8.	Connect the Collaboration Station to the network.	See <u>Connecting the Collaboration Station</u> to the network on page 33.	

Prerequisites

Check the prerequisites to ensure that you have the required software and hardware before you install the Collaboration Station.

Software requirements

Ensure that your network already has the following components installed and configured:

- Avaya Aura[®] Session Manager 6.3.8 or later
- Avaya Aura[®] Communication Manager 6.3.6 or later
- Avaya Aura[®] System Manager 6.3.8 or later

- Avaya Aura[®] Presence Services 6.2.4 or later
- Avaya Aura[®] Session Border Controller 7.0 and 7.0.1
- IP Office 10.0 or later
- A DHCP server for providing dynamic IP addresses to the Collaboration Station.
- A file server, an HTTP, HTTPS, or the Avaya Utility server for downloading the software distribution package and the settings file
- One or both of the following conference servers for both audio and video conference:
 - Avaya Aura® Conferencing 8.0 or later
 - Avaya Scopia® Elite MCU

For more information about installing and configuring the components, see their respective documentation.

Related links

Documentation on page 9

Hardware requirements

Ensure that the LAN:

- Uses Ethernet Category 5e or Ethernet Category 6 cabling.
- · Has one of the following specifications:
 - 802.3at PoE
 - 802.3af PoE injector

If your network does not have a 802.3at PoE or 802.3af PoE injector specification, you can power the deskphone using the AC power adapter that you can order with the device.

Preinstallation data gathering

Populate values in the following table for the data that you would require at different stages of installation.

System Manager user profile worksheet

For creating user profile on System Manager.

Identity tab

Field	Value	Notes
Last Name		
Login Name		
Password		
Localized Display Name		
Endpoint Display Name		
Language Preference		
Time Zone		

Communication Profile tab

	Field	Value	Notes
Communication Profile section			
	Communication Profile Password		
Communication Address section			
	Handle Types are for:		
	• Avaya SIP		
	• Avaya E.164		
	 Avaya Presence/IM if Presence is used 		
	Handle Fully Qualified Address		
Session Manager Profile section			
	Primary Session manager		
	Secondary Session Manager		
	Origination Application Sequence		
	Termination Application Sequence		
	Survivability Server		
	Home Location		
CM Endpoint Profile section			

	Field	Value	Notes
	System		
	Profile Type		
	Use Existing Endpoints		
	Extension		
	Endpoint Template		
	Voice Mail Number		
Messaging Profile section			Optional
	System		
	Mailbox Number		
	Template		
	Password		
	Delete Subscriber on Unassign and Delete		

Settings file worksheet

For initial deskphone configuration, gather values for the following parameters.

Field	Value	Notes
ISO_SYSTEM_LANGUAGE		
TIMEFORMAT		
TIMEZONE		
COUNTRY		
SIP_CONTROLLER_LIST		
SIPDOMAIN		

😵 Note:

In an IP Office environment, H1xxsettings.txt settings and H1xxSupgrade.txt upgrade files are auto-generated. There is also a provision where you can setup a different file server with your own custom settings file.

DHCP settings worksheet

For dynamically assigning IP addresses to the deskphones and any initial configuration that is required through DHCP options.

Field/Parameter	Value	Notes
Range of IP addresses		
DHCP options		
HTTPSRVR		
TLSSRVR		
FILE_SERVER_URL		

Server configuration

To install the Collaboration Station, you need to configure the following servers:

- DHCP server: To dynamically assign IP addresses to the Collaboration Station and, if required, provide the device configuration parameters.
- HTTP or HTTPS server: To download and save the software distribution package and the settings file.

😵 Note:

In an IP Office environment, H1xxsettings.txt settings and H1xxSupgrade.txt upgrade files are auto-generated. There is also a provision where you can setup a different file server with your own custom settings file.

Related links

<u>DHCP server configuration</u> on page 24 <u>File server configuration</u> on page 25

DHCP server configuration

Configure the DHCP server to:

- Dynamically assign IP addresses to the Collaboration Station.
- Provision device and site-specific configuration parameters through various DHCP options.

For more information about the device and site-specific configuration parameters, see Administering Avaya H100-Series Video Collaboration Stations.

Related links

<u>Server configuration</u> on page 24 <u>Setting up a DHCP server</u> on page 24

Setting up a DHCP server

Procedure

1. Install the DHCP server software according to the vendor instructions.

- 2. Configure the range of IP address available to the Collaboration Station.
- 3. Configure the required DHCP options.

Related links

DHCP server configuration on page 24

File server configuration

A file server is an HTTP or an HTTPS server that is required to download and save the software distribution package and the settings file.

Deskphones can download the software distribution package, firmware image, and configuration file using the HTTP server and the settings file using an HTTP or HTTPS server.

On restarting, the deskphone checks for software updates and settings files on the specified file servers.

You can provide the file server addresses to deskphones through one of the following methods:

- DHCP
- LLDP
- Device interface
- Settings file

For LLDP, DHCP, and the settings file, you can assign the file server address to the FILE_SERVER_URL parameter. You can also specify the file server address in the HTTPSRVR and TLSSRVR parameters. If the value of the file server address is set in more than one parameter, the deskphone uses the value specified in the FILE_SERVER_URL parameter and ignores other parameter.

Related links

<u>Server configuration</u> on page 24 <u>Software distribution package</u> on page 25 <u>Setting up a file server</u> on page 26 <u>Downloading and saving the software</u> on page 26

Software distribution package

The software distribution package includes:

- Signed Software Package files
- An upgrade file named H1xxSUpgrade.txt
- A file named av_prca_pem_2033.txt that contains a copy of the Avaya Product Root Certificate Authority certificate in PEM format
- A file named av_sipca_pem_2027.txt that contains a copy of the Avaya SIP Root Certificate Authority certificate in PEM format

• A directory named signatures that contains signature files and a Signing Authority Certificate file named RootSA.txt

Related links

File server configuration on page 25

Setting up a file server

Procedure

- 1. Install the HTTP or HTTPS server software according to the vendor instructions.
- 2. Download and save the software distribution package and the settings file at the appropriate location on the server.
- 3. Unzip the distribution package and save the extracted files at an appropriate location on the server.
- 4. Open and modify the settings file to provision the required device configuration parameters.

Related links

File server configuration on page 25

Downloading and saving the software

Before you begin

Ensure that your file server is set up.

Procedure

- 1. Go to the <u>Avaya Support</u> website.
- 2. In the Enter Your Product Here field, enter Avaya H100-Series Video Collaboration Stations.
- 3. In the **Choose Release** field, click the required release number.
- 4. Click the **Downloads** tab.

The system displays a list of the latest downloads.

5. Click the appropriate software version.

The system displays the Downloads page.

- 6. In the **File** field, click the zipped file and save the file on the file server.
- 7. Extract the zipped file and save it at an appropriate location on the file server.
- 8. From the latest downloads list, click the settings file.

The system displays the Downloads page.

9. In the **File** field, click the settings file and save the file at an appropriate location on the file server.

Related links

File server configuration on page 25

Creating users on Avaya Aura[®] System Manager

Procedure

- 1. In a Web browser, enter the System Manager IP address and press Enter.
- 2. Log in to the application with your credentials.
- 3. Click User Management > Manage Users.
- 4. Click New.
- 5. On the **Identity** tab, enter the user details.
- 6. Click the Communication Profile tab.
- 7. Enter details for Communication Address, Session Manager Profile, CM Endpoint Profile, and Messaging Profile sections.

The phone type must be 9641SIP.

- 8. Perform the following steps to enable the video calls.
 - a. In the CM Endpoint Profile section, click Endpoint Editor > Feature Options.
 - b. In the Features area, select the IP Video check box.
 - c. Click Done.
- 9. Click Commit & Continue.

Assembling the Collaboration Station

Related links

<u>Connecting a wired handset</u> on page 27 <u>Wireless handset</u> on page 28

Connecting a wired handset

About this task

If you bought the Collaboration Station with a wireless handset and now want to replace the wireless handset with a wired handset, then you must cover the pins as described in this task. If you ordered the Collaboration Station with a wired handset, the charging pins are covered and you only need to connect the handset.

You cannot use the wireless handset if you connect a wired handset.

Procedure

- 1. Perform the following steps only if you are replacing the wireless handset with the wired handset, else skip the steps.
 - a. From the back of the device, remove the screw that is below the charging pins bushing.
 - b. Remove the charging bushing plastic.
 - c. Attach the blind bushing plastic cover from the top and secure it with a screw.
- 2. Plug non-spiral end of the handset cord into the handset connector on the Collaboration Station.
- 3. Plug the other end into the connector in the handset.
- 4. Disable the wireless handset.

Related links

Assembling the Collaboration Station on page 27

Wireless handset

Install the wireless handset only if it is supported in the country where you are installing the device. The wireless handset is supported in the following countries:

- Australia
- Austria
- Argentina
- Belgium
- Bulgaria
- Brazil
- Canada
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Finland
- France
- Germany
- Greece
- Hong Kong
- Hungary

- Iceland
- Ireland
- Israel
- Italy
- Liechtenstein
- Luxembourg
- Japan
- Korea
- Mexico
- Netherlands
- Norway
- Poland
- Portugal
- Romania
- Russia
- Saudi Arabia
- Slovakia
- Slovenia
- Sweden
- Switzerland
- Spain
- Taiwan
- United Kingdom
- USA

Related links

Assembling the Collaboration Station on page 27 Wireless handset layout on page 30 Installing the wireless handset on page 31

Wireless handset layout



Number	Name
1	Mute
2	Volume up
3	Volume down
4	Battery slot
5	Charging pins
6	Mute LED
7	Call control

Related links

Wireless handset on page 28

Installing the wireless handset

Before you begin

Ensure that the administrator configured the country settings and enabled the DECT menu option for the wireless handset. Once you have installed the wireless handset, the batteries will take around 16 hours to get fully charged for the first time.

Procedure

1. Set the COUNTRY parameter in the settings file to an appropriate value.

In an IP Office environment, if you are using the auto-generated settings file, the wireless handset is registered according to the country specified in the IP Office server.

- 2. Ensure that the DECTSTAT parameter is set to 1 to enable the DECT menu option in the Settings file.
- 3. Install the batteries in the battery slot by matching the poles as shown in the slot label.



There is a risk of explosion if you use an incorrect type of battery.

4. Put the wireless handset in the cradle.

The Collaboration Station displays the battery level and the pairing information in the Top Bar.

Related links

Wireless handset on page 28

Camera

Camera mount

The camera supports the following mount options:

- · Integrated mount
- · External mount

Integrated mount

The camera is mounted on the Collaboration Station itself. The following image shows the camera mounted on the Collaboration Station.



External mount

The camera can be mounted on an external monitor so that the user can view the video calls on the connected monitor. The following image shows the camera mounted on an external monitor.



Related links

Assembling the Collaboration Station on page 27

Mounting and connecting the camera Procedure

- · For integrated mount:
 - 1. Position the camera on the Collaboration Station.
 - 2. Fold the camera leg and insert the camera latch in the twist lock at the back of the Collaboration Station.
 - 3. Plug one end of the camera cable into the camera connector of the Collaboration Station. Plug the other end into the connector in the camera.

· For external mount:

- 1. Position the camera on the external monitor and open the camera leg to balance the camera properly.
- 2. Plug one end of the camera cable into the camera connector of the Collaboration Station. Plug the other end into the connector in the camera.
- 3. Plug one end of the video cable into the video display out connector of the Collaboration Station. Plug the other end into the video display in connector of the external monitor.

Related links

Assembling the Collaboration Station on page 27

Connecting the Collaboration Station to the network

About this task

You can connect your Collaboration Station to an Ethernet or a Wi-Fi network. The Wi-Fi option is enabled by default in the settings file.

If you connect to a Wi-Fi network that has a Captive portal enabled, the Collaboration Station displays a notification in the Top Bar to sign into to the Wi-Fi network. Tapping the notification in the Top Bar opens the Captive portal page where you need to provide the login details to login to the network.

Procedure

- If your are connecting the deskphone to a wireless network or a wired network that does not have a 802.3at PoE or 802.3af PoE injector specification, connect the power adapter to the 48–V DC power connector at the back of the Collaboration Station and plug the power adapter into an electrical outlet.
- 2. Perform one of the following actions:
 - To connect to a wired network, plug one end of an Ethernet cable into the LAN connector at the back of the Collaboration Station. Plug the other end into an available LAN port.
 - To connect to a wireless network:
 - a. Wait for the deskphone to initialize and display the LOGIN screen.
 - b. Tap the Settings icon.
 - c. Tap WIRELESS & NETWORKS > Network > Network mode > Wi-Fi.
 - d. Tap Wi-Fi and select a network from the list of networks.
 - e. Enter the login credentials that the Collaboration Station displays if the Wi-Fi network is a secured network.

Chapter 4: Security configurations

Device lock configuration

The Avaya H100-Series Video Collaboration Stations provide the device lock features for securing user privacy. When a user locks the Collaboration Station, other users cannot unlock the device without the assigned password of the device. A user can receive calls or make emergency calls even if the Collaboration Station is in the locked state.

The lock screen password is the same as the login password that is used for registering the Collaboration Station. Ensure that you create different passwords for each user profile.

To enable the device lock feature, configure the following parameter in the settings file.

Parameter	Set to	Notes			
ENABLE_PH ONE_LOCK	1	User can manually lock the device or the device locks itself if there is screen inactivity for the amount of time specified in the PHONE_LOCK_IDLETIME parameter.			
		Collaboration Station can be configured to lock enable and the user cannot disable the exchange policy if the Exchange account is configured.			
		🛠 Note:			
		In an IP Office environment, the default value is set to 0 in the auto- generated settings file.			

Password security policies

If you plan to configure the Exchange account on the Collaboration Stations, you can also provide secure device access by configuring the password security policies on Microsoft Exchange Server. If you configure the password policies, ensure that the device password complies with these policies. If the device password does not comply with the policies, the Exchange account configuration on the device fails.

Certificate management

The applications running in the Collaboration Station setup rely on trusted certificates for secure operation. The trusted certificate repository can be configured through a parameter, which is used by various applications in the following manner:

- SIP/TLS: Uses the trusted certificates if the certificates are configured, else uses the default Avaya SIP Product CA certificate. The identity certificate generated using SCEP is used if the deskphone identity certificate is requested by Avaya Aura[®] Session Manager for mutual authentication or when the CONNECTION_REUSE parameter is set to 0 and the deskphone listens to inbound connections from Avaya Aura[®] Session Manager.
- PPM/HTTPS/TLS: Uses the trusted certificates if the certificates are configured, else uses the default Avaya SIP Product CA certificate. The identity certificate generated using SCEP is used if the deskphone identity certificate is requested by PPM for mutual authentication.
- Software distribution package and settings file downloaded from the HTTPS server: Uses the trusted certificates if the certificates are configured, else uses the Avaya Product Root CA certificate. The identity certificate generated using SCEP is used if the deskphone identity certificate is requested by the file server for mutual authentication.
- Ethernet 802.1x EAP-TLS: Uses the trusted certificates. The identity certificate generated using SCEP is used as it is required for authentication.
- Wi-Fi 802.1x EAP-TLS: Uses the trusted certificates. EAP-PEAP and EAP-TTLS might also use the trusted certificates, but for EAP-TLS the identity certificate generated using SCEP shall be used as it is required for authentication.
- Exchange using HTTPS: Uses the trusted certificates and built-in Android well known root CAs.
- Browser using HTTPS: Uses the trusted certificates and the built-in Android well known root CAs.

Enterprises can set up their own certificate authority (CA) by replacing the default Avaya root certificates and Avaya Product Root CA certificates with their trusted certificates. The certificates issued by CA must be configured in the settings file when the Collaboration Station is registered with the enterprise. In addition to root certificates, high-security enterprises install a unique identity certificate on each Collaboration Station. Identity certificates are required if the communication setup is using EAP-TLS, or any other server that requires mutual authentication.

The Collaboration Station support the Simple Certificate Enrollment Protocol (SCEP) to retrieve and load the identity certificates. You can configure SCEP settings in the settings file. If the device is preconfigured, you must return to factory defaults before performing the security configurations.

Secure installation configuration

For secure installation, configure the following parameters.

Parameter	Set to	Notes
TRUSTCERTS		Provides the file names of certificates to be used for authentication. It supports both root and intermediate certificates and can contain up to six certificate files.
TLSSRVRID	1	Certificates installed on the servers must have the common name that matches the device configuration.
AUTH	1	Ensures usage of HTTPS file servers for configuration and software files download. Once AUTH is set to 1 and the device downloads the trusted certificates, the device can only download files from HTTPS server with certificates that can be validated using trusted certificate repository.
FILE_SERVER_URL		Assign HTTPS or TLSRVR file servers.
SSH_ALLOWED	0	To keep SSH disabled.

For obtaining the downloadable files, configure the following parameters.

Parameter	Туре	Default value	Description
KEY_LAYOUT_FILES	String	Null	Specifies the absolute or relative URL for downloading the key layout files.

SCEP parameters

In an IP Office environment, the following parameters are not present in the auto-generated H1xxsettings settings file. However, you can provision them through a custom settings file.

Configure the following Simple Certificate Enrollment Protocol (SCEP) parameters.

Parameter	Туре	Default value	Description
MYCERTURL	String	Null	Specifies the URL to access Simple Certificate Enrollment Protocol (SCEP) server. The device attempts to contact the server only if this parameter is set to other than its default value.
MYCERTCN	String	\$SERIA LNO	Specifies the Common name (CN) for SUBJECT in SCEP certificate request. The values can either be \$SERIALNO or \$MACADDR.
			If the value includes the string "\$SERIALNO", that string will be replaced by the phones serial number.
			If the value includes the string "\$MACADDR", that string will be replaced by the phones MAC address.
MYCERTDN	String	Null	Specifies common part of SUBJECT in SCEP certificate request. This value defines the part of SUBJECT in a certificate request including Organizational Unit, Organization, Location, State, and Country that is common for requests from different devices.

Parameter	Туре	Default value	Description			
MYCERTKEYLEN	Numeric	2048	Specifies the private key length in bits to be created in the device for a certificate enrollment. The range is from 1024 to 2048.			
MYCERTRENEW	Numeric	90	Specifies the percentage used to calculate the renewal time interval out of the device certificate's Validity Object. If the renewal time interval has elapsed the phone starts to periodically contact the SCEP server again to renew the certificate. The range is from 1 to 99.			
MYCERTWAIT	Numeric	1	Specifies the behavior of the device when performing certificate enrolment. assign one of the following values:			
			0: Periodical check in the background			
			 1: Wait until a certificate or a denial is received or a pending notification is received 			
MYCERTCAID	String	CAldenti fier	Specifies the Certificate Authority Identifier. Certificate Authority servers may require a specific CA Identifier string in order to accept GetCA requests. If the device works with such a Certificate Authority, the CA identifier string can be set through this parameter.			
SCEPPASSWORD	String	\$SERIA LNO	Specifies a challenge password to use with SCEP. The value of SCEPPASSWORD, if non-null, is included in a challengePassword attribute in SCEP certificate signing requests.			
			If the value contains \$SERIALNO, \$SERIALNO is replaced by the value of SERIALNO. If the value contains \$MACADDR, \$MACADDR is replaced by the value of MACADDR without the colon separators.			

VLAN

In an IP Office environment, the following parameters are not present in the auto-generated H1xxsettings settings file. However, you can provision them through a custom settings file.

Configure the following VLAN parameters.

Parameter	Set to	Notes
VLANSEP	1	Enables the VLAN separation.
L2Q	0, 1, or 2	Specifies 802.1Q tagging mode.
PHY2VLAN	Non- zero value	This is the data VLAN and must not have the same value as the L2QVLAN parameter.
L2QVLAN	Non- zero value	This is the voice VLAN and must not have the same value as the PHY2VLAN parameter.

For the above VLAN configuration, there will be a full VLAN separation between the device and computer packets. The device tries to obtain an IP address from the DHCP server on the voice VLAN. If the device gets an IP address, the device sends all the tagged packets on the voice LAN. Set the PHY2VLAN parameter to the data VLAN so that untagged packets from the computer are assigned to the data VLAN or the tagged packets from the computer are forwarded to the data VLAN. Tagged packets from computers on VLANs other than the data VLAN are blocked.

Chapter 5: Initial administration

Configuring the settings file

About this task

Modify the settings file with appropriate values to provision the device configuration parameters.

Procedure

- 1. On the file server, go to the location where you downloaded the settings file.
- 2. Open the settings file in a text editor.
- 3. Set the required parameters.
- 4. Save the settings file.

Related links

<u>Configuration of initial parameters</u> on page 39 <u>Supported countries</u> on page 43 <u>IP Office parameters checklist</u> on page 49

Configuration of initial parameters

Set the following initial parameters in the settings file. For more information and a complete list of the settings file parameters, see *Administering Avaya H100-Series Video Collaboration Stations*.

Wireless handset

Set the following parameter for the wireless handset.

Parameter	Туре	Default value	Description	
COUNTRY	String	Null	Specifies the country of operation for specific dial tone generation, Wi-Fi, DECT, and the default anti flickering frequency for camera – 50 Hz or 60 Hz.	
DECTSTAT	Integer	1	Specifies whether the DECT menu option in the Setting app is enabled for the user. Assign one of the following values:	
			 0: The DECT handset and menu option is disabled in the Settings app and the user cannot change it. 	

Parameter	Туре	Default value	Description
			 1: The DECT handset and menu option is enabled in the Settings app and the user can change it to enable or disable the wireless handset.

File server

Set the following parameter to provide the file server address to the device if not configured in DHCP server.

Parameter	Туре	Default value	Description
FILE_SERVER_UR L	String	Null	Specifies the configured file server URLs for downloading the software distribution package and settings files.
			If this parameter is set, then the following parameters that are supported for the backward compatibility are ignored:
			• HTTPSRVR
			• HTTPPORT
			• HTTPDIR
			• TLSSRVR
			• TLSSRVRDIR
			• TLSPORT

Conferencing

Set the following parameter to enable Avaya Aura[®] Conferencing.

Parameter	Туре	Default value	Description
CONFERENCE_FA CTORY_URI	String	Null	Specifies the conference server URI used to start an Avaya Aura [®] Conferencing conference call.

Presence

Set the following parameter to enable the Presence services.

Parameter	Туре	Default value	Description
PRESENCE_SERV ER	String	Null	Specifies the IP address of the Presence server. The range is from 0 to 255 characters.

SIP registration

Set the following parameters to provide SIP registration information to the device.

Parameter	Туре	Default value	Description				
SIP_CONTROLLE R_LIST	String	Null	Specifies a comma separated list of IP addresses of SIP proxy or registrar server. The range is from 0 to 255.				
			The list has the following format.				
			host[:port][;transport=xxx], where:				
			 host is an IP address in dotted-decimal format 				
			 port is the optional port number. If you do not specify a port number, the system uses the following default values: 				
			- 5060 for TCP				
			- 5061 for TLS				
			 transport is the optional transport type, tls or tcp. If you do not specify the transport, the system uses TLS as the default type 				
			For example,				
			SET SIP_CONTROLLER_LIST proxy1,proxy2:5060;transport=tcp				
CONFIG_SERVER String Null		Null	Specifies the address of the PPM configuration server. If the SIP environment it set up such that the PPM server is at a different location than the SIP proxy server address, the device uses the configuration server address instead. The device will not use the proxy server for PPM.				
SIPDOMAIN	String	Null	Specifies the SIP domain name for registration. The range is from 0 to 255.				

Time settings

Set appropriate network time protocol server and time zone offset as the user does not have the ability to manually set the clock on the device.

Parameter	Туре	Default value	Description			
SNTPSRVR	String	Null	Specifies a list of zero or more SNTP servers IP addresses dotted decimal or DNS name format, separated by commas without any intervening spaces. The range is from 0 to 255 characters.			
TIMEZONE	String	Etc/GMT	Specifies the configuration of time zone in Olson format (as maintained in tzone database by IANA).			
TIMEFORMAT	Integer	0	Specifies the format to display time on the device. Assign one of the following values:			
			• 0: AM/PM			
			• 1: 24 Hours			

Parameter	Туре	Default value	Description
DATE_FORMAT_O PTIONS	Integer	1	Specifies the format to display date on the device. Assign one of the following values:
			1: Language and location specific
			• 2: mm/dd/yyyy
			• 3: dd/mm/yyyy
			• 4: yyyy/mm/dd

Microsoft Exchange server account settings

Configure the following parameters to setup the Microsoft Exchange Server account for an user:

Parameter	Туре	Default value	Description
EXCHANGE_USE R_DOMAIN	String	Null	Specifies the user domain for Microsoft Exchange Server.
EXCHANGE_SERV ER_SECURE_MO DE	Integer	1	Specifies whether to use the secure mode for contacting Microsoft Exchange Server. Assign one of the following values: • 0: For HTTP
			• 1: For HITPS
EXCHANGE_SERV ER_LIST	String	Null	Specifies the list containing IP or DNS address of Microsoft Exchange Server. Use the parameter if the automatic synchronization fails.

Note:

The user name and password created by the user is backed up on Personal Profile Manager (PPM). The Microsoft Exchange server account is:

- Automatically created: If the user logs in on the same device for which the account is configured.
- To be manually created again: If the user logs in on another device. The following fields are prepopulated:
 - User name
 - Domain
 - Password

Related links

Configuring the settings file on page 39

Supported countries

The following table lists the countries and whether they support call progress tones, DECT, and Wi-Fi. The table also lists the anti flickering frequency for camera in a specific country.

Number	Country	Country code	Call progres s tones	DECT support	Wi-Fi support	Anti- flickerin g frequen cy
1	Abu Dhabi	Abu Dhabi	~	×	Worldwi de	50
2	Albania	Albania	~	×	~	50
3	Argentina	Argentina	~	~	~	50
4	Australia	Australia	~	~	~	50
5	Austria	Austria	~	~	~	50
6	Bahrain	Bahrain	~	×	~	50
7	Bangladesh	Bangladesh	~	×	~	50
8	Belgium	Belgium	~	~	~	50
9	Bolivia	Bolivia	~	×	~	50
10	Bosnia	Bosnia	~	×	~	50
11	Botswana	Botswana	~	×	Worldwi de	50
12	Brazil	Brazil	~	~	~	60
13	Brunei	Brunei	~	×	~	50
14	Bulgaria	Bulgaria	~	~	~	50
15	Canada	Canada	~	~	~	60

Number	Country	Country code Call progres support support		Wi-Fi support	Anti- flickerin g frequen cy	
16	Chile	Chile	~	×	~	50
17	China (PRC)	China	~	×	~	50
18	Columbia	Columbia	~	×	~	60
19	Costa Rica	Costa Rica	~	×	~	60
20	Croatia	Croatia	~	~	~	50
21	Cyprus	rus Cyprus 🖌		~	~	50
22	Czech Republic	Czech Republic	~	~	~	50
23	Denmark	Denmark	~	~	~	50
24	Ecuador	Ecuador	~	×	~	60
25	Egypt	Egypt	~	×	~	50
26	El Salvador	El Salvador	~	×	~	60
27	Finland	Finland	~	~	~	50
28	France	France V V		~	50	
29	Germany	Germany V V		~	50	
30	Ghana	Ghana 🖌 🗴 Worldvide		Worldwi de	50	
31	Greece	Greece	~	~	~	50
32	Guatemala	Guatemala	~	×	~	60

Number	Country	Country code	Call progres s tones	DECT support	Wi-Fi support	Anti- flickerin g frequen cy
33	Honduras	Honduras	~	×	~	60
34	Hong Kong	Hong Kong		~	~	50
35	Hungary	Hungary	~	~	~	50
36	Iceland	Iceland	~	~	~	50
37	India	India	~	×	~	50
38	Indonesia	Indonesia	~	×	~	50
39	Ireland	Ireland	~	~	~	50
40	Israel	Israel	~	~	~	50
41	Italy	Italy	~	~	~	50
42	Japan	Japan	~	~	~	 East Japan Tokyo, Kawas aki, Sappo ro, Yokoh ama, and Sendai 50Hz West Japan 60 Hz Hz
43	Jordan	Jordan	~	×	~	50

Number	Country	Country code Call progres support		Wi-Fi support	Anti- flickerin g frequen cy	
44	Kazakhstan	Kazakhstan	~	×	~	50
45	Korea	Korea	~	×	~	 South Korea 60 Hz North Korea 50 / 60 Hz
46	Kuwait	Kuwait	~	×	~	50
47	Lebanon	Lebanon	~	×	~	50
48	Liechtenstein	Liechtenstein	~	~	~	50
49	Luxembourg	Luxembourg	~	~	~	50
50	Масао	Масао		×	~	50
51	Macedonia	Macedonia	~	×	~	50
52	Malaysia	Malaysia	~	×	~	50
53	Mexico	Mexico	~	· · ·		60
54	Moldavia	Moldova 🖌 🗴 Worldwi de		Worldwi de	50	
55	Morocco	Morocco 🖌 🗶		~	50	
56	Myanmar	Myanmar 🖌 🗴 Worldw de		Worldwi de	50	
57	Netherlands	Netherlands	~	~	~	50
58	New Zealand	New Zealand	~	×	~	50

Number	Country	Country code Call progres s tones DECT Support		Wi-Fi support	Anti- flickerin g frequen cy	
59	Nicaragua	Nicaragua	~	×	Worldwi de	60
60	Nigeria	Nigeria	~	×	Worldwi de	50
61	Norway	Norway	~	~	~	50
62	Oman	man Oman 🖌 🗶 🖌		~	50	
63	Pakistan	Pakistan	~	×	~	50
64	Panama	a Panama 🖌 🗶 🖌		~	60	
65	Paraguay	aguay Paraguay 🖌 Korldv de		Worldwi de	60	
66	Peru	Peru 🖌 🗴		×	~	60
67	Philippines	Philippines	~	×	~	60
68	Poland	Poland	~	~	~	50
69	Portugal	Portugal	~	~	~	50
70	Qatar	Qatar	~	×	~	50
71	Romania	Romania	~	~	~	50
72	Russia	Russia	~	~	~	50
73	Saudi Arabia	Saudi Arabia	~	~	~	60
74	Yugoslavia	Serbia	~	×	~	50
75	Singapore	Singapore	~	×	~	50

Number	Country	Country code Call progres support support		Wi-Fi support	Anti- flickerin g frequen cy	
76	Slovakia	Slovakia	~	~	~	50
77	Slovenia	Slovenia	~	~	~	50
78	South Africa	South Africa	~	×	~	50
79	Spain	Spain V V		~	50	
80	Sri Lanka	Sri Lanka	~	×	~	50
81	Swaziland	Swaziland	~	×	Worldwi de	50
82	Sweden	Sweden	~	~	~	50
83	Switzerland	Switzerland	~	~	~	50
84	Syria	Syria	~	×	~	50
85	Taiwan	Taiwan	~	~	~	60
86	Tanzania	Tanzania	~	×	Worldwi de	50
87	Thailand	Thailand	~	×	~	50
88	Turkey	Turkey	~	×	~	50
89	UK	UK	~	~	~	50
90	Ukraine	Ukraine 🖌 🗶 🖌		~	50	
91	United Arab Emirates	United Arab Emirates	~	×	~	50
92	Uruguay	Uruguay	~	×	~	50

Number	Country	Country code	Call progres s tones	DECT support	Wi-Fi support	Anti- flickerin g frequen cy
93	USA	USA	~	~	~	60
94	Venezuela	Venezuela	~	×	~	60
95	Vietnam	Vietnam	~	×	~	50
96	Yemen	Yemen	~	×	~	50
97	Zimbabwe	Zimbabwe	~	×	~	50

Related links

Configuring the settings file on page 39

IP Office parameters checklist

Use the following checklist if you want to manually configure the settings file for the IP Office environment:

No.	Parameters	Set Value	~
1	ENABLE_IPOFFICE	1	
2	SUBSCRIBE_LIST_NON_A VAYA	Supported string	
3	ENABLE_AVAYA_ENVIRO NMENT	0	
4	DISCOVER_AVAYA_ENVIR ONMENT	0	
5	ENABLE_PRESENCE	0	
6	PRESENCE_SERVER	Do not set	
7	CONFIG_SERVER	Do not set	
8	CONFIG_SERVER_SECUR E_MODE	Do not set	
9	SIMULTANEOUS_REGISTR ATIONS	1	

No.	Parameters	Set Value	v
10	ENABLE_PPM_SOURCED_ SIPPROXYSRVR	0	
11	ENABLE_G726	0	
12	PHNEMERGNUM	Supported dial string	
13	PHNMOREEMERGNUMS	Supported dial string	
14	PSTN_VM_NUM	Supported string	
15	CONNECTION_REUSE	1	

Related links

Configuring the settings file on page 39

Initial setup through the device

Navigating to the Settings screen

Procedure



Setting DHCP Site Specific Option Number

About this task

Use this procedure to set the values of site-specific configuration parameters. The default value is set to 242.

Before you begin

Ensure that you login with the administrator password to see the interface.

Procedure

- 1. Go to the Settings screen.
- 2. Tap More > DHCP Site Specific Option Number (SSON).
- 3. Enter any option between 128 to 254.

Setting the DNS name and address

About this task

Use this procedure to set the domain name and server address.

Procedure

- 1. Go to the Settings screen.
- 2. Tap More > DNS.
- 3. Tap **DNS > DNS Server**.
- 4. Enter one or both the server addresses in the following fields:
 - DNS Server 1
 - DNS Server 2
- 5. Tap **DNS > Domain**.
- 6. Enter the domain name of the server.

Setting a user group for a specific configuration

About this task

Use this procedure for setting a group identifier to allow downloading a specific configuration set for a dedicated user group during startup. You can set group identifier between 0 to 999.

Procedure

1. Go to the Settings screen.

- 2. Tap More > GROUP.
- 3. Enter the group identifier.

Setting up a file server address

About this task

Use this procedure to set up a file server address for downloading the software distribution package and settings file.

Procedure

- 1. Go to the Settings screen.
- 2. Tap More > File Server.
- 3. Enter the HTTP or HTTPS address of your file server.

Setting up an HTTP proxy and exception

About this task

Use this procedure to specify the address of an HTTP proxy server. You can also enter the server names to bypass the proxy server.

Before you begin

Ensure that you login with the administrator password to see the interface.

Procedure

- 1. Go to the Settings screen.
- 2. Tap More > HTTP/S Proxy Settings.
- 3. Tap Proxy host name[:port].
- 4. Enter the HTTP proxy host name with port number.
- 5. Tap Bypass proxy for.
- 6. Enter the server names to bypass the proxy server.

Configuring SIP server settings

About this task

Use this procedure to register your phone to the SIP server. You can also specify the Personal Profile Manager (PPM) server address if it is different from the SIP server address.

Before you begin

Ensure that you login with the administrator password to see the interface.

Procedure

- 1. Go to the Settings screen.
- 2. Tap More > SIP Settings.
- 3. Tap SIP domain.
- 4. Enter the server name for registration.
- 5. Tap Avaya configuration server.
- 6. Enter the PPM server address.
- 7. Tap SIP Proxy settings.
- 8. Enter the values in the following fields:
 - SIP proxy server: Enter the name of the SIP proxy server.
 - Transport type: Choose either TLS or TCP depending upon your configuration.
 - SIP Port: Optionally, enter 5060 for TCP or 5061 for TLS.

Administration through the device

Changing the date format

Procedure

- 1. Go to the Settings screen.
- 2. Tap SYSTEM > Date and time > Choose date format.
- 3. Select the required format.
- 4. Tap **OK**.

Changing to the 24–hour time format

- 1. Go to the Settings screen.
- 2. Tap SYSTEM > Date and time.
- 3. Select the **Use 24–hour format** check box.

Enabling and disabling the wireless handset usage

About this task

You can enable or disable the wireless handset usage only if your administrator configured the option for you.

Procedure

- 1. Go to the Settings screen.
- 2. Perform one of the following actions:
 - To enable the wireless handset usage, tap WIRELESS & NETWORKS > DECT > ON.
 - To disable the wireless handset usage, tap WIRELESS & NETWORKS > DECT > OFF.

Chapter 6: Backup and restore

Back up on PPM

The Collaboration Station supports data backup by saving all non-volatile user parameters on Personal Profile Manager (PPM) in an Avaya Aura[®] environment. When the user logs in to any registered device, PPM restores all user data on the device.

😵 Note:

You can backup and restore contacts through Avaya one-X[®] Portal, if your phone is registered to the IP Office server.

Parameters backed up on PPM

The following table lists the parameters that are backed up on Personal Profile Manager (PPM).

Parameter	Default value	Description
BAKLIGHTOFF	120	Specifies the timer to switch off the backlight of the display.
CLICKS	1	Specifies whether button click sounds are enabled.
CALL_PICKUP_RING_TYPE	1	Specifies the default call pickup ring type.
OUTSIDE_CALL_RING_TYPE	1	Specifies the default outside call ring type.
PRIORITY_CALL_RING_TYP E	1	Specifies the default priority call ring type.
INTERCOM_CALL_RING_TY PE	1	Specifies the default intercom call ring type.
TEAM_BUTTON_RING_TYPE _USER_SELECTION	1	Specifies the default team button ring type that the user selects.
FORWARDED_CALL_RING_ TYPE	1	Specifies the default forwarded ring type that the user selects.
BRIDGED_CALL_RING_TYP E	1	Specifies the default bridged call ring type that the user selects.

Parameter	Default value	Description
PERSONALWAV	1	Specifies the user choice of the personal ring used for internal calls.
CALL_PICKUP_INDICATION	3	Specifies the following call pickup indication types:
		• Audio
		• Visual
		• None
HEADSET_PROFILE	0	Specifies the headset audio profile that the user selects.
AMPLIFIED_HANDSET	0	Specifies whether the handset amplification is enabled.
AMPLIFIED_HANDSET_NOMI NAL_LEVEL_CALL_END	0	Specifies whether to set the volume level in amplified mode to nominal when all calls end.
TIMEFORMAT	0	Specifies whether the time format is the am-pm format or the 24–hour format.
DATE_FORMAT_OPTIONS	1	Specifies the date display format.
CALL_LOG_ACTIVE	1	Specifies whether to activate call logging.
CALL_LOG_BRIDGED	1	Specifies whether to activate call logging for bridged calls.
CONTACT_NAME_DISPLAY	1	Specifies how contact names are displayed.
ENABLE_ONLINE_SEARCH	0	Specifies whether the default search directory is searched in the background whenever a user searches through synchronized contacts.
DEFAULT_CONTACTS_STO RE	1	Specifies the account where all user contacts are added by default.
EXCHANGE_USER_ACCOU NT	Null	Specifies the account name for the Microsoft Exchange Server account.
EXCHANGE_USER_PASSW ORD	Null	Specifies the user password for the Microsoft Exchange Server account.
ENABLE_PHONE_LOCK	0	Specifies whether to enable the lock screen password.
LOCK_SCREEN_LOCK_AFT ER_TIMEOUT	5	Specifies the lock screen inactivity timeout in minutes.
SHOW_CALL_APPEARANCE _NUMBERS	0	Specifies whether for a user the device displays call appearance numbers in the call containers.
SHOW_BRIDGED_APPEARA NCE_NUMBERS	0	Specifies whether for a user the device displays bridged appearance numbers in the call containers.
AUDIOPATH	1	Specifies whether the default audio path is speaker or headset.
HEADSETBIDIR	0	Specifies whether bidirectional signaling is supported on the headset interface.
LARGEFONT	0	Specifies whether the user selected large font size.
INITIAL_SCREEN	PHONE	Specifies the initial screen that the device displays when the user logs in.

Parameter	Default value	Description
BLOCK_OUTGOING_VIDEO_ ANSWER_MODE	0	Specifies whether video is started blocked or unblocked on an incoming or escalated video call.
OUTGOING_CALL_MODE	1	Specifies the media type to be used for outgoing calls.

Chapter 7: Maintenance

Device upgrade

Before upgrading the device, ensure that you download the latest software, the distribution package and the settings file, on the file server. You can perform the device upgrade in the following ways:

- Automatic: You can configure the device to poll periodically for a newer version of the software in the file server and automatically download the software and upgrade itself.
- Manual: You can upgrade the device without the device waiting for a polling interval by:
 - Using the update option in the Settings app on the device. With the update option, the device immediately downloads and installs the software if an updated version is available.
 - Rebooting the device from the Settings app or from System Manager. With rebooting, the device might upgrade immediately or later based on the upgrade policy configured for the device.

Device upgrade process

During boot up, the Collaboration Station performs the following tasks:

- 1. The Collaboration Station receives the file server address from DHCP, LLDP, or the device interface.
- 2. The Collaboration Station connects to the file server and searches for the upgrade file.
- 3. The Collaboration Station compares its software version with the version specified in the upgrade file.
- 4. If a newer version of the software distribution package is available, the Collaboration Station downloads the software and upgrades itself.
- 5. The Collaboration Station also looks for the settings file that is specified in the upgrade file and loads the settings file.

Downloading and saving the software

Before you begin

Ensure that your file server is set up.

Procedure

- 1. Go to the <u>Avaya Support</u> website.
- 2. In the Enter Your Product Here field, enter Avaya H100-Series Video Collaboration Stations.
- 3. In the **Choose Release** field, click the required release number.
- 4. Click the **Downloads** tab.

The system displays a list of the latest downloads.

5. Click the appropriate software version.

The system displays the Downloads page.

- 6. In the File field, click the zipped file and save the file on the file server.
- 7. Extract the zipped file and save it at an appropriate location on the file server.
- 8. From the latest downloads list, click the settings file.

The system displays the Downloads page.

9. In the **File** field, click the settings file and save the file at an appropriate location on the file server.

Related links

File server configuration on page 25

Resetting a device to factory settings

About this task

Use this procedure to reset a device to factory settings, that is, the initial state in which you received the device from the factory.

You might want to reset the device to the factory settings when you are:

- · Repairing a device.
- Assigning a device to a new user by keeping the same extension but different permissions from the previous user.

Resetting a device removes the following information from the device and restores all data to the factory settings:

- All administered values
- · User-specified data that includes Exchange account

• Device settings

You cannot recover the settings and data after you delete them.

Procedure

- 1. Open the Settings app in the administrator mode.
- 2. Tap PERSONAL > Device and data reset > DEVICE AND PERSONAL DATA > Factory data reset.
- 3. Tap **Reset device** when the device displays the confirmation message.

Automatic upgrade

Avaya H100-Series Video Collaboration Stations provide the facility of automatic upgrade. You can configure the settings file such that the Collaboration Stations periodically poll for a newer version of the software in the HTTP or the HTTPS server and download the files automatically.

You can set parameters in the settings files that can support following upgrade policies:

- · Scheduling download for a specific time and day in a week
- · Scheduling download and install on a specific date
- · Setting polling interval for the new software

Related links

Configuration of parameters for an automatic upgrade on page 60

Configuration of parameters for an automatic upgrade

Configure the following parameters in the settings file to set the automatic upgrade:

Parameter	Туре	Default value	Description
UPGRADE_POLIC	Integer	2	Specifies whether the upgrade occurs based on:
Y			Reboot only
			Upgrade policies only
			 Both reboot and upgrade policies
			Assign one of the following values:
			O: Device upgrade occurs only after reboot
			 1: Upgrade occurs based on configured policies and management applications only

Parameter	Туре	Default value	Description
			 2: Upgrade occurs based on configured policies and after reboot
			🛞 Note:
			In an IP Office environment, the default value is set to 0 in the auto-generated settings file.
UPGRADE_POLLI NG_PERIOD	Integer	60	Specifies the polling interval in minutes between polling both upgrades and settings file. The range is from 0 to 10080 minutes, where the value of 0 disables polling.
			😿 Note:
			In an IP Office environment, the default value is set to 0 in the auto-generated settings file.
UPGRADE_DLOA D_START	String	00	Specifies the start time when the device tries to download the software. To reduce the network traffic, the parameters UPGRADE_DLOAD_START and UPGRADE_DLOAD_END are used to schedule download at a time when users are out-of-office.
			Use the following format to specify the time:
			[Ddd]hh, where
			 Ddd: Is a three-character string for a day of the week: Sun, Mon, Tue, Wed, Thu, Fri, and Sat
			 hh: Is a numeric in the range of 0 to 23 for an hour of the day
UPGRADE_DLOA D_END	String		Specifies the end time when the device stops trying to download the new software. Use the following format to specify the time:
			[Ddd]hh, where
			 Ddd: Is a three-character string for a day of the week: Sun, Mon, Tue, Wed, Thu, Fri, and Sat
			 hh: Is a numeric in the range of 0 to 23 for an hour of the day
UPGRADE_INSTA LL_DATE_TIME	String		Specifies the date and time after which the new software and settings file is installed. Use the following format:
			YYYY-MM-DDThh:mm, where
			 YYYY: Is four numeric digits for the year
			MM: Is two numeric digits in the range of 00 to 12 for month
			• DD: Is two numeric digits in the range of 1 to 31 for the day of the month
			T: is the time separator
			 hh: Is two numeric digits in the range of 11 to 23 for the hour of the day

Parameter	Туре	Default value	Description
			 mm: Is the two numeric digits in the range of 00 to 59 for the minutes of the hour
			At the end of the installation, the device displays a confirmation message for reboot. Users can confirm or delay the reboot by half an hour. The device does not display the confirmation message if the user is in a call.
			😿 Note:
			In an IP Office environment, the default value is set to 1970–01–01T00:00 in the auto-generated settings file.
DLOAD_RND_AFT ER_RESET	Integer	0	Specifies the interval in seconds in which the downloading attempts randomizes after the device reboots. The range is from 0 to 32767 seconds.
DLOAD_RND	Integer	3600	Specifies the interval in seconds in which the downloading attempts randomizes during background downloads. The range is from 0 to 32767 seconds.

Related links

Automatic upgrade on page 60

Manual upgrade

Upgrading a device through System Manager

About this task

Use the following procedure to perform bulk upgrade of Collaboration Station.

Before you begin

Ensure that you have the latest version of the software on the file server.

Procedure

1. In the System Manager interface, provide the range of the Collaboration Station registrations that require an upgrade.

2. Press Reboot.

As part of the boot up process, the Collaboration Station downloads the upgrade file from the file server. The Collaboration Station then compares the current version of the build with the one in the upgrade file. If the upgrade file has a higher version, the device reads the upgrade file further and downloads the higher version of the build.

Upgrading a device through the Settings app

About this task

You can use the update option or reboot the device to upgrade it. With the update option, the device immediately downloads and installs the software if an updated version is available. With rebooting, the device might upgrade immediately or later based on the upgrade policy configured for the device

Before you begin

Ensure that you have the latest version of the software on the file server. .

Procedure

- To upgrade the device using the update option:
 - 1. Open the settings app in the admin mode.
 - 2. Tap SYSTEM > About > Software information > Update now.

If the device already has the latest version, the device displays a device up-to-date message and does not upgrade.

• To upgrade the device by rebooting:

- 1. Go the Settings screen.
- 2. Tap PERSONAL > Device and data reset > DEVICE > Reboot.
- 3. Tap **OK** for confirmation.

Chapter 8: Troubleshooting

Error message "Not enough power to activate the device"

Condition

The device displays the message "Not enough power to activate device. Please contact your administrator."

Cause

There is not enough power coming from PoE port for the device to operate properly.

Solution

Perform one of the following actions:

- Supply the AC power to the device by connecting the power adapter to an electrical outlet.
- In the settings file, set the ASSUME_SP_POE parameter to 1 so that the device operates in low power mode by disabling some of the USB ports.
- Connect the PoE injector and in the settings app, select the **Single port PoE injector connected** check box under **Network** > **Ethernet** > **Power over Ethernet (PoE)**.

Camera not working

Camera not working

Camera is not capturing video images or the camera LED is not lighting up.

Camera cable not connected properly

Camera has a dedicated USB in the Collaboration Station and works only if the camera cable is connected to the dedicated USB.

Solution

Ensure that the camera cable is connected to the dedicated camera USB in the Collaboration Station and you have opened the privacy shutter of the camera.

The base of the device is hot

Condition

The base of the device is hot.

Cause

Avaya H175 Video Collaboration Stations generate more heat than other deskphones. This behavior is expected and within product safety standards (IEC 60950-1). The heat from the deskphone dissipates from the lower plastic cover and finally through the space between the rubber foot pads.

Solution

Ensure that:

- You have put the device on a flat surface, such as a table, for proper heat dissipation.
- You have not kept any object, such as paper or cloth, below the device.
- The operating temperature is between 0 °C to 40 °C as the surface temperature increases relative to the operating temperature. The operating temperature is the ambient temperature of the room.

Video calls fail post installation

Condition

Post installation, the user is unable to start a video call or receive an incoming video call.

Cause

Inappropriate configuration of a Session Border Controller rule that might cause video call types to fail.

Solution

If connecting through Session Border Controller (SBC), ensure that for the SBC media rule, you enabled SRTP in the video encryption type. The Collaboration Station requires both audio and video to be SRTP encrypted.

Firmware got corrupted

Condition

The firmware got corrupted and you want to restore the firmware to its original state.

The firmware corruption can occur due to power outage during the device upgrade time or a corrupt system file.

Solution

You can use the boot recovery procedure to clear the device and restore the Collaboration Station to factory settings. You can use the boot recovery procedure only if you have not changed the default password.

- 1. Reboot the device.
- 2. Press and hold the star key (*) on the dialpad when you see the message Avaya The Power of We on screen.
- 3. Release the key after 5 seconds.
- 4. The Collaboration Station displays the Android system recovery screen after approximately 30 seconds.
- 5. Press 1 to start the boot recovery procedure.
- 6. Enter the admin password when the Collaboration Station prompts you.

The Collaboration Station starts the boot recovery procedure and displays a list of options.

- 7. Select one of the following options:
 - Reboot: Stops the boot recovery procedure and reboots the deskphone.
 - CLEAR Phone : Performs resetting of the deskphone to factory settings.
 - Erase /cache: Erases the cache partition of the deskphone that is primarily used to store recovery logs and temporary files.
 - Erase /var: Erases the var partition of the deskphone that is primarily used for storing device logs.
 - Wipe cache and var: Clears both cache and var partitions of the deskphone.
 - Wipe /data: Erases the data partition of the deskphone that is primarily used to store system and application databases.
 - Wipe /vendor: Clears the vendor partition of the deskphone.
 - Clear OPKGs: Deletes the downloaded OPKG file from the device. OPKG packages are the tar files download by an administrator.
 - Swap banks and reboot: Swaps the boot banks on the device that results in primary boot bank becoming secondary boot bank and vice versa. The deskphone always has 2 copies of firmwares:
 - Current firmware. The deskphone uses this firmware to boot up.
 - Previously installed firmware. This firmware is updated each time the firmware on the deskphone is upgraded.

For example, if the deskphone is running build 1000 and the deskphone is upgraded to build 2000, the primary boot bank will contain the build 2000 and the secondary backup boot bank will contain the build 1000.

Chapter 9: System Failover and Survivability

Configuring survivability for H175 Collaboration Stations

By administering survivability configuration parameters using the <code>H1xxsettings.txt</code> file (or using the default values if applicable), the SIP deskphones can quickly switch to an active controlling server and experience minimal disruption. You can also configure survivability between the following servers:

- Avaya Aura[®] and IP Office, if IP Office is configured in the branch mode.
- IP Office and IP Office, if configured as primary and secondary.

The parameters mentioned below are not present in the auto-generated settings file for IP Office environment.

The parameters are configured for Avaya Aura[®] environment.

The failover/failback parameters are:

- CONTROLLER_SEARCH_INTERVAL: The time the phone waits to complete the maintenance check for Monitored Controllers.
- DISCOVER_AVAYA_ENVIRONMENT: Determines whether the phone operates in a mode to comply with the Avaya environment mode (provision of SIP/AST features and use of PPM for download and backup/restore).
- ENABLE_REMOVE_PSTN_ACCESS_PREFIX: Enables the removal of the PSTN access prefix from collected dial strings when the phone is communicating with a non-AST controller.
- FAILBACK_POLICY: Failback Policy.
- FAST_RESPONSE_TIMEOUT: Fast Response Timer.
- PSTN_VM_NUM: The number called when the phone is in failover and the Message button is pressed.

😣 Note:

This parameter is only available for IP Office.

- RECOVERYREGISTERWAIT: Reactive Monitoring Interval in seconds.
- REGISTERWAIT: Proactive Monitoring Interval in seconds.
- SIP_CONTROLLER_LIST: Configured Controller list. A comma-separated list of SIP URIs, a hostname, or numeric IP address. If null, DHCP/DNS will provide the defaults.

- SIMULTANEOUS_REGISTRATIONS: The number of Session Managers with which the deskphone will simultaneously register.
- SIPREGPROXYPOLICY: Registration Policy. The default value of this parameter is simultaneous.

Related links

Configuring survivability through the phone interface on page 68

Configuring survivability through the phone interface

About this task

Use the following procedure to configure SIP domain and controller.

Before you begin

Ensure that you have SIP domain name and SIP proxy settings.

Procedure

- 1. Navigate to the Settings > More > SIP Settings .
- 2. Login with your administrator credentials.
- 3. Enter SIP Domain and SIP Proxy Settings.

Related links

Configuring survivability for H175 Collaboration Stations on page 67

Supported operations

During failover and survivability, the following operations are valid through the phone:

- Making a call (includes emergency calls).
- · Receiving a call.
- Call transfer.
- Mid call features: Call hold and mute.
- Audio Conference: Local three-way audio conference.

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