



Avaya 1030 Installation Guide

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Preparing for Installation

As you prepare to install an Avaya video communications system, consider the physical conditions of the room, compatibility with displays and your network configuration and settings. Avaya recommends you collect your network settings and system identification information before you begin installation. Refer to “Initial Configuration” on page 6, which explains what information you need to collect and provides space to record it.

Room Configuration

The size, shape, layout and occupancy of the room dictate where you place your video conferencing components. For example, in a multi-user conference room, place an Avaya Video MicPod 1000 or Avaya Video Conference Phone 1000 at the center of the participants as their detection patterns are omnidirectional.

Warning: Avoid routing cables from the codec across foot-traffic areas as tripping on the cables can cause both personal injury and permanent damage to the connectors in the cables and codec. If cables must cross foot-traffic areas, use some form of cable management system or strategy to avoid the possibility of tripping.

The lighting in your environment affects image quality. The optimal lighting for Avaya systems is 300 to 500 LUX. If light levels are too low, consider adding artificial lighting. Indirect light from shaded sources or reflected light from pale walls often produces excellent results. Avoid the following:

- direct sunlight on the subject matter, the background, or the camera lens
- direct illumination of the subject matter and camera lens
- colored lighting
- harsh side lighting or strong light from above

Consult your administrator for specific lighting requirements for your environment.

Supported Display Types and Resolutions

Avaya 1030 can connect to HD displays (720p minimum) through an HDMI cable, including:

- Plasma, LCD, and LED flat panel displays
- Large screen rear projection TV displays (720p/1080p displays)
- Front projection displays
- Rear projector A/V room configurations

Supported display resolutions include the following:

- Display 1:
 - 1280 x 720p60
 - 1280 x 768p60
 - 1920 x 1080p30
 - 1920 x 1080i60

The primary output on Avaya 1030 defaults to 720p60 and will work with any 720p HDMI display. To change the resolution for 1080 HDMI displays after you install the system, refer to “Changing Display Resolution” on page 17.

Note: The **Display 1 Resolution** preference in **Administrator Preferences : Appearance : Displays** defaults to *Auto* if you select an option for this preference that is not supported by the connected display. For more information about troubleshooting exceptions to this behavior and changing display resolution, refer to “Changing Display Resolution” on page 17.

- Display 2:
 - 1280 x 720p60
 - 1920 x 1080p30
 - 1920 x 1080i60

Note: If you are using dual displays, ensure that both displays can support the same resolutions. You can choose a resolution for both displays by choosing a resolution for display 1 only using the **Display 1 Resolution** preference in **Administrator Preferences : Appearance : Displays** after you install the Avaya system. Choosing a resolution other than 1280x768p60 for display 1 automatically changes the resolution for display 2. If you choose 1280x768p60 for display 1, the Avaya system automatically changes the resolution for display 2 to 1280x720p60.

Placement Behind a Firewall

Avaya recommends that you place your system behind a firewall and block, at minimum, the following ports:

- 22 (SSH)
- 23 (Telnet)
- 80 (HTTP)
- 443 (HTTPS)

If you require these ports remain open, ensure that you change the default administrator and command line interface passwords to be very secure. For information about changing the default administrator password, refer to the *Avaya Video Communications Systems Administrator Guide*.

You can also disable SSH and web access on the system by configuring preferences in the user interface. By default, Telnet access is disabled. For more information, refer to the *Avaya Video Communications Systems Administrator Guide*.

Network Bandwidth

Poor audio and video quality may result from insufficient bandwidth on your network. Avaya recommends that your network be capable of at least 1 Mb/s (incoming and outgoing) for a high definition video call. During video calls with lower bandwidths, Avaya systems automatically select the best resolution that can be achieved with the available bandwidth.

Initial Configuration

During the installation process, your Avaya system prompts you to configure it for the first time. Avaya recommends that you gather all the necessary information prior to installation. The following sections provide guidelines for collecting and a means of recording this data. You may need to consult your network administrator for network settings and system identification information.

Note: The initial configuration screens also appear when you perform a system reset. For more information, refer to “Restoring Default Settings” in the *Avaya Video Communications Systems Administrator Guide*.

Language

Select the language to display in the user interface. The default is English.

Administrator and User Passwords

Some functions and preferences available from the user interface are accessible only to administrative users with a password. For security reasons, Avaya recommends that you change the default administrator password (1 2 3 4) during the initial configuration.

Optionally, you can set a user password to control access to user preferences that enable the user to do the following:

- Change the appearance of the user interface.
- Specify how calls are answered.
- Configure audio settings.
- Change cameras and DVI-I input settings.
- Reboot the system.

The administrator and user passwords can contain any combination of the numbers 0-9 and the symbols * (star) and # (pound) up to 16 characters in length.

Note: If you set a user password, you can also use the administrator password to access user preferences.

Administrator Password: _____

User Password: _____

System Identification

Information that identifies the system to users appears throughout the user interface.

Set the **Location** preference to your location. The default is the United States. The **Time Zone** preference sets the system time that appears in the status bar on the main page of the user interface. It defaults to Greenwich Mean Time. You must set this preference even if you specify an NTP server during the initial configuration (refer to “Network Settings” on page 8).

The **System Name**, **Video Number**, and **Voice Number** appear in the user interface on the main screen. The system name may also appear in the local and corporate directories. Avaya recommends that you change the default system name to one that meaningfully identifies the system to your users.

System Name: (to identify this installation in the network): _____

Video Number: _____

Voice Number: _____

Network Settings

By default, DHCP is enabled on Avaya systems. If you choose *Disabled* for the **DHCP** preference, you must enter an **IP address** (the locally configured IP address if not assigned by a DHCP server), **Subnet Mask** (used to partition the IP address into a network and host identifier), and **Default Gateway** (the IP address of the default gateway the system uses).

IP Address: _____

Subnet Mask: _____

Default Gateway: _____

You can enter the **Hostname** of the system. If you do not have a DHCP server that automatically sets a DNS server, you can enter the IP addresses to configure **DNS Servers**. You can also define the domain names to search when resolving hostnames. DNS translates names of network nodes into addresses; specify this preference to use DNS to resolve the hostnames of devices to IP addresses.

Hostname: _____

DNS Servers: _____

Name Search Domains: _____

If you choose an option other than *Auto* (the default) for the **Network Speed** preference, ensure that the option matches the speed and duplex configured on your network switch.

Network Speed: _____ Network Duplex: _____

You can enter the hostname or IP address of a Network Time Protocol (NTP) server to set the system date and time automatically. The Avaya system ignores the value you specify for the NTP Server Hostname if the **DHCP** preference is set to *Enabled* and the DHCP server can pass an NTP server address to the Avaya system.



Network Time Protocol (NTP): _____

Audio Preferences: Active Microphone

The default for the **Active Microphone** preference is *Auto*. The system detects attached audio input devices and selects one to be the active microphone in the following order:

- phone
- microphone in

If you wish to use a device connected to line in on the codec as the active microphone, you must choose line in manually for **Active Microphone**.

The **Active Microphone** field in the **System Information** page shows which device is functioning as the active microphone. When the value is **None**, the No Active Microphone indicator  appears in the status bar on the main screen of the user interface indicating that no active microphone is available. You can view the **System Information** page after you install the system and complete the initial configuration. From the main screen, press the  button on the Avaya remote control.

Note: If you choose *Line In* or *Line In (No AEC)* as the active microphone, and a device is not connected to line in on the codec, the **System Information** page shows line in as the status for **Active Microphone**. The No Active Microphone indicator does not appear in the user interface.

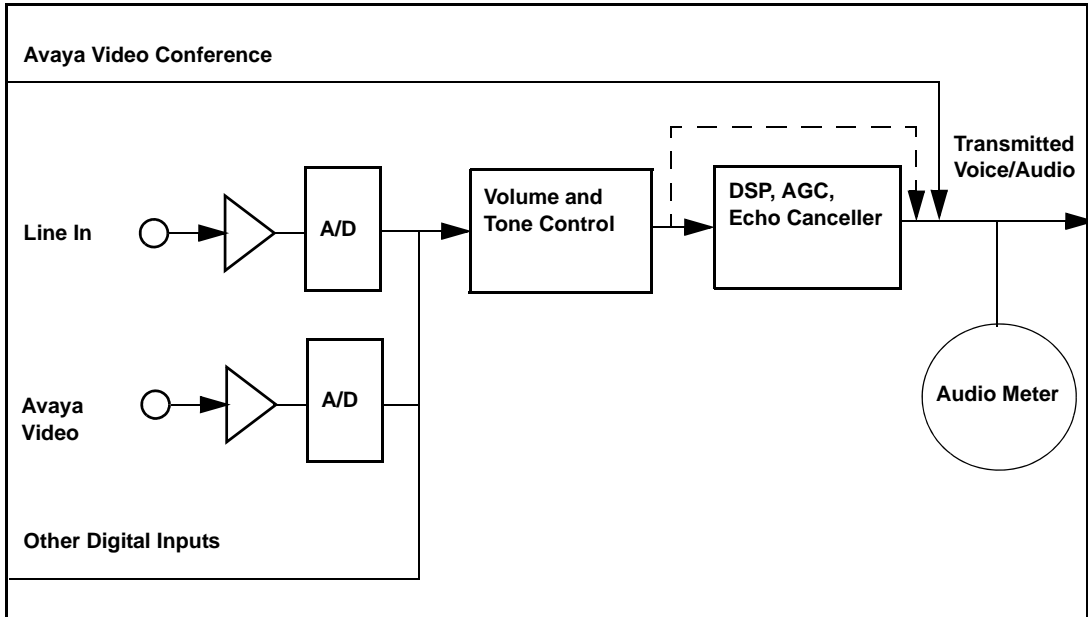
The *Microphone In (No AEC)* and *Line In (No AEC)* options for the **Active Microphone** preference are for use with a microphone that has its own acoustic echo canceller (AEC).

Audio Preferences: Active Microphone Volume

You can adjust the audio level for the active microphone by selecting **Active Microphone Volume** and pressing **OK** on the Avaya remote control.

Note: A built-in acoustic echo canceller and noise reducer are active when *Microphone In* or *Line In* is the active microphone. The built-in acoustic echo canceller automatically attempts to adjust audio volume for optimum levels.

An audio meter appears below **Active Microphone Volume** when you access the preference. The audio meter follows the digital signal processing, Automatic Gain Control (AGC), and volume and tone controls on the transmitted voice path as depicted in the following illustration.



The dotted line illustrates the audio path when *Microphone In (No AEC)* or *Line In (No AEC)* is selected as the active microphone. This mode is useful for setting up system gains but should never be used during calls unless the installation includes audio inputs with external AEC. Echo may occur if no AEC is employed.

If you choose Avaya Video Conference Phone 1000 as the active microphone, the **Active Microphone Volume** preference is not available. The Avaya Video Conference Phone 1000 microphones adjust volume automatically. The voice stream bypasses all processing in the Avaya system, including the volume and tone controls, and is fed directly into the transmitted voice path.

The audio meter displays the level of the transmitted voice in decibels (dB) root mean square (RMS) below digital full scale (DFS). The meter is accurate to ± 1 dB. The maximum level is 0 dB. Levels below -50 dB are not displayed, and indicate a very quiet or inactive input. Typical levels during a call peak around -28 to -22 dB DFS. The AEC and AGC attempt to keep the RMS transmit level below -20 dB DFS. The following images show what appears in an audio meter at various levels.



Very Quiet or Inactive Input below -50 dB (no bars)



-20 db DFS Level (Last Green Bar)



-10 db DFS Level (Last Yellow Bar)



0 db DFS Level (Maximum Possible Level; First Red Bar is -9 dB)



Typical Transmit Voice Level in a Call

When setting **Active Microphone Volume** for Avaya Video MicPod 1000, place someone where a participant in a call would normally sit in the conference room and ask the person to speak at a normal volume facing the active microphone.

Use the audio meter to visually verify that the transmit level peaks in the desired -28 to -22 dB range.

Avaya recommends a volume setting of 5 to 8 for **Active Microphone Volume** for most Avaya Video MicPod 1000 applications.

If you set **Active Microphone Volume** to line in when using an external mixer or amplified microphone, follow these steps:

1. Select *Line in (no AEC)* for **Active Microphone**.
2. Position someone approximately one meter from the microphone, facing it, speaking at a normal volume.
3. Adjust the **Active Microphone Volume** and the external mixer output level until the meter peaks in the -28 to -22 dB range. Avaya recommends you adjust the external mixer volume so that you achieve peak levels in the -28 to -22 dB range of the audio meter with the **Active Microphone Volume** control set to no less than 5 or greater than 15.
4. If the microphone or mixer you use employs an echo canceller, no further adjustments are necessary. Otherwise, select *Line In* for **Active Microphone**. This turns on the Avaya system's echo canceller, noise reduction, and automatic gain control functions. If you do not use an echo canceller, you may experience severe echo effects.
5. After the adjustment, check that the peak levels when speaking normally one meter from the microphone are in the -28 to -22 dB range. The AGC attempts to keep the transmit level below -20 dB, which is the green range of the bar graph.

An audio meter is also available for the **Line In Volume** preference for setting an audio level for a device connected to line in on the codec when line in is not selected as the active microphone.

Audio Preferences: Video and Voice Call Output

If you plan to use external speakers other than Avaya Video Conference Phone 1000 for audio output in both video and voice calls, ensure that the **Video Call Audio Output** and **Voice Call Audio Output** preferences are set to *Line Out*. By default, **Video Call Audio Output** is set to *Line Out*, **Voice Call Audio Output** is set to *Phone*. If you are using Avaya Video Conference Phone 1000 for audio, set these preferences to *Phone*.

Audio Preferences: Testing Speakers

You can also test the primary output speakers for the appropriate audio level or to ensure they are working properly. Select *Auto* for **Primary Audio Output Test** to cycle through a test on your available speakers. The test continues until you select *Off*. You can also send the tone to either the left or right channel by choosing *Test Left* or *Test Right*. The tone is sent simultaneously to both line out and the HD video out of display 1.

Avaya 1030 Components

Your Avaya 1030 package contains the following components:

- One of the following audio components:
 - Avaya Video MicPod 1000—see “Optional Peripherals” on page 19 for the dual Avaya Video MicPod 1000 option
 - Avaya Video Conference Phone 1000
- Avaya Video Camera 200 with standard 3 meter (9.8 foot) cable
- Avaya 1030 Codec
- Avaya Remote Control (including three AAA batteries)
- Quick reference card
- Documentation CD

Installing Avaya 1030



Before you install an Avaya video communications system, read the document *Avaya Safety and Regulatory Notices* for important safety information. The document is available on the documentation CD-ROM and from support.avaya.com.


Warning: Exercise care when connecting cables to the codec to avoid damaging cables or the connectors on the codec. Face the back of the codec or ensure that all connectors are visible when connecting a cable to the codec.



To install the components of your Avaya system, remove all components from the product packaging, including cables, and place them in the desired positions in your conference room.

Warning: Do not place anything on top of or adjacent to the codec that can obstruct air flow around the unit or generate heat. Doing so can cause the system to overheat and reboot. Prolonged overheating can result in damage to the codec. Ensure the room that houses the codec is properly ventilated and temperature controlled.


Refer to the Avaya quick reference card included with your system for a visual depiction of the proper setup. The numbers that appear on the quick reference card correspond to the following steps:

-
1. Open the battery compartment on the back side of the remote control.
 - a. Before inserting the batteries, stretch each of the two straps across the outer battery slot closest to it.
 - b. Insert the two outer batteries, negative end (-) first against the spring, then press the positive (+) end into place, trapping the cloth straps beneath the batteries.
 - c. Lay the longer cloth strap over both batteries and insert the center battery's negative end against the spring first to trap the longer cloth strap beneath it. Then press the positive end of the battery into place.
 - d. Lay the ends of the cloth straps over the center battery and install the cover.
 2. To connect the Avaya Video Camera 200, insert the HDMI cable into the HD port on the rear side of the camera and plug the opposite end into the port marked with the HD in symbol  on the back of the codec. Insert the power adapter cable into the power port on the rear side of the camera and plug the power adapter into a power outlet.
 3. Insert a video display cable into the port on the rear of your display and the opposite end into the port marked with the display 1 symbol  on the back of the codec (3a). Insert the display power cord into a power outlet on the wall.

Note: If you plan to use external speakers that are not built into the display, connect the speakers to the port marked with the line out symbol  on the back of the codec.


To connect a second display, insert a video display cable into the port on the rear of your display and the opposite end into the port marked with the display 2 symbol  on the back of the codec (3b). Insert the display power cord into a power outlet on the wall. By default, the second display is blank. After you complete the initial configuration, refer to "Configuring a Second Display" on page 18 to complete this process.
 4. Insert the network cable into the network port marked with the LAN symbol  on the back of the codec. Insert the opposite end of the network cable into a network port on the wall.


5. Depending on the components included with the system, connect one of the following devices:


- a. If you are using a single Avaya Video MicPod 1000 for audio, insert the end of the cable from the Avaya Video MicPod 1000 into the microphone port marked with the microphone symbol  on the back of the codec. If the Avaya Video MicPod 1000 is installed in an area where the cord could be pulled or tripped upon, refer to “Attaching the Avaya Video MicPod 1000 Strain Relief Clip” on page 21.

Warning: Tripping on the Avaya Video MicPod 1000 cord can cause personal injury as well as permanent damage to the Avaya Video MicPod 1000 cord connector and the connector in the codec. Avaya recommends that you use the cable strain relief clip included in the Avaya Video MicPod 1000 product box as described in “Attaching the Avaya Video MicPod 1000 Strain Relief Clip” on page 21.


If you are using dual Avaya Video MicPod 1000s for audio, refer to “Configuring Dual Avaya Video MicPod 1000s” on page 20 for a description of supported configuration options.

- b. If you are using the Avaya Video Conference Phone 1000 for audio, insert the phone cable into the port marked with the LAN symbol  on the underside of the phone.

Note: The exterior port marked with the  symbol on the Avaya Video Conference Phone 1000 is reserved for future use.

Insert the opposite end of the phone cable into the port marked with the Avaya Video Conference Phone 1000 symbol  on the back of the codec. Ensure the cables are secured into the guides to avoid damage to them.

Note: When the Avaya Video Conference Phone 1000 is connected to an Avaya video communications system, you are unable to configure it as a standalone speakerphone. Configure your system using the Avaya video communications system interface.

-
6. Insert the cord from the power adapter into the power outlet marked **DC 19V**  on the back of the codec. Insert one end of the power cord into the power adapter and the opposite end into a power outlet.

The Avaya system starts, illuminating a blue LED on the front of the codec. See “Status Icons” on page 26 for more information about the state of the system as it boots or as conditions change.

The camera initializes the first time it is connected to a codec; this process takes approximately 90 seconds.

Warning: Do not disturb or disconnect the devices during this time as you may damage the system.

7. An **Initial Configuration** screen appears and prompts you to configure the system. Refer to “Initial Configuration” on page 6 and the information you collected there previously to guide you through your configuration choices. Use the arrow keys on the remote control to navigate the preferences that appear in the initial configuration screens. Icons and their descriptions that appear at the bottom of each screen correspond to keys on the remote control and indicate what operations are available for the screen or a selected object.

If the initial configuration screen does not appear and the display is blank, refer to “Troubleshooting Installation Issues” on page 22.

The bottom of the screen contains the system status bar and the navigation bar. The system status bar indicates system and network status. When the system is booting, status also appears at the top of the **REDIAL** list to indicate the current state of the system. See “Status Icons” on page 26 for an explanation of status icons you may encounter.

Locking the Avaya Codec

You can lock the Avaya codec with a secure loop to prevent physical removal of the device. For assistance, contact Avaya Technical Services.


Changing Display Resolution

The primary output on Avaya 1030 defaults to 720p60 and will work with any 720p HDMI display.



To change display resolution, navigate to **Administrator Preferences : Appearance : Displays** and choose **Display 1 Resolution**. You can change the resolution to 1920x1080i60 or 1920x1080p30 and it will work with most 1080 HDMI displays. However, some 1080p displays will not work with 1080p30 mode and the display may be blank. In this case you must configure the display resolution from either the Avaya Video Conference Phone 1000 (refer to “Configuring Display Output from Avaya Video Conference Phone 1000” on page 22) or from the web administration interface for the Avaya system (refer to the *Avaya Video Communications Systems Administrator Guide*). Avaya recommends that before you change the display resolution to 1920x1080p30, ensure that you can access the **Display 1 Resolution** preference using one of these methods.

Note: To access the web administration interface for the system, **HTTP** access must be set to *Enabled* (the default) in **Administrator Preferences : Security : General** and you must identify the IP address of the Avaya system. The IP address appears in the upper right corner on the main page of the user interface.

Configuring a Second Display

If you installed a second display, you must configure it. From the main screen of the user interface, press  on the Avaya remote control to access the **System Menu**. Navigate to **Administrator Preferences : Appearance : Layout** and choose **Display 2 Layout**, which, by default is set to *None*. Choose *Presentations + DVI-I Input* to configure the second display. When configured, display 2 shows either DVI-I input or presentations (near and far end) when a presentation is sent or received.

The following conditions apply when using two displays with Avaya 1030:

- The presentation icon that appears on screen during a call to indicate that a near or far end presentation is in progress appears in display 1. For a presentation sent from a far end participant, the receiving presentation icon  appears in the upper left corner of display 1; for a presentation sent from the near end, the sending presentation icon  appears in the lower right corner of display 1.
- Only presentation video or DVI-I input is supported for display 2. Background image and color preferences that appear in **User Preferences : Backgrounds** and **Administrator Preferences : Appearance : Backgrounds** are available for display 1 only. The user interface appears only in display 1.

Optional Peripherals

You can connect the following optional peripherals to enhance your Avaya system:

Peripheral	Usage
DVI-I In	DVI-I port for connecting laptops for presentations or to share PC data. For devices and PCs with VGA output, Avaya includes a DVI-A to VGA cable. An HDMI source can be used with an adapter. For more information about supported resolutions and audio support, refer to the <i>Avaya Video Communications Systems Administrator Guide</i> .
Microphone in	For use with a single or dual Avaya Video MicPod 1000 configuration. In a single Avaya Video MicPod 1000 configuration, you can add an Avaya Video MicPod 1000 extension cable (15 meters, 49.2 feet) to the Avaya Video MicPod 1000. In a dual Avaya Video MicPod 1000 configuration, you use a combination of two Avaya Video MicPod 1000s, one splitter cable, and extension cables in large rooms to create wider coverage of audio input. Refer to “Configuring Dual Avaya Video MicPod 1000s” on page 20.
Audio In (Line In)	For use with an external line level audio input, in addition to the Avaya Video Conference Phone 1000 or Avaya Video MicPod 1000.
Audio Out (Line Out)	For use with external line level output speakers that are not built into display 1 or with a headset (left plus right). <hr/> Warning: Excessive sound pressure from earphones and headphones can cause hearing loss. <hr/>
USB Port	Reserved for future use.

Configuring Dual Avaya Video MicPod 1000s

If you are using dual Avaya Video MicPod 1000s, you can use the splitter cable to connect a combination of extension cables and two Avaya Video MicPod 1000s to the single Avaya Video MicPod 1000 port on your Avaya codec for maximum omnidirectional audio coverage in large conference rooms.

Dual Avaya Video MicPod 1000 configurations are limited to two Avaya Video MicPod 1000s and one splitter cable. (You cannot use multiple splitters to connect to more than two Avaya Video MicPod 1000s.) However, you can use variations on three configurations of extension cables:

- If you connect the male end of the splitter directly to the codec, you can use none, or one extension cable to connect an Avaya Video MicPod 1000 to each of the female ends of the splitter.
- If you use one extension cable to connect the codec to the splitter, you can use none, or one extension cable to connect an Avaya Video MicPod 1000 to each of the female ends of the splitter.
- If you use two extension cables to connect the codec to the splitter, you must connect both Avaya Video MicPod 1000s directly to the female ends of the splitter.

If the Avaya Video MicPod 1000s are installed in an area where the cord could be pulled or tripped upon, refer to “Attaching the Avaya Video MicPod 1000 Strain Relief Clip” on page 21.

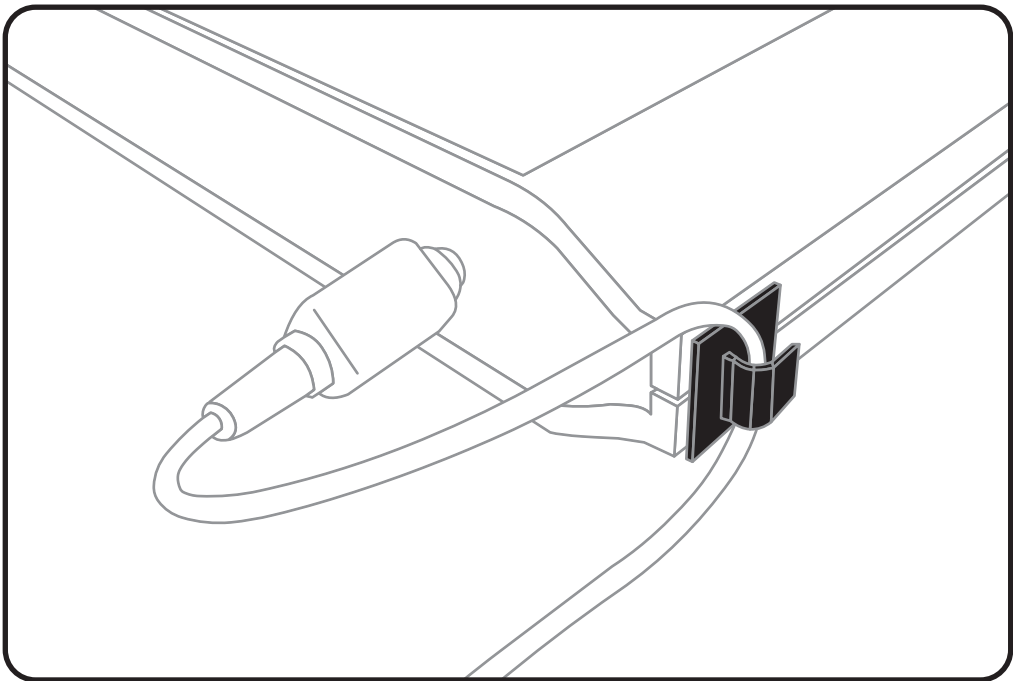
Warning: Tripping on the cord can cause personal injury as well as permanent damage to the Avaya Video MicPod 1000 cord connector and the connector in the codec. Avaya recommends that you use the cable strain relief clip included in the Avaya Video MicPod 1000 product box as described in “Attaching the Avaya Video MicPod 1000 Strain Relief Clip” on page 21.

An Avaya codec detects any splitter or cable attached to the microphone input of the codec as an Avaya Video MicPod 1000. If an Avaya Video MicPod 1000 is not attached to the extension or splitter cable and the microphone input is selected as the active microphone, no audio is available. The No Active Microphone indicator does not appear in the status bar and the **Active Microphone** field in the **System Information** page reports *Microphone In* as the active microphone.

Attaching the Avaya Video MicPod 1000 Strain Relief Clip

If the Avaya Video MicPod 1000 is installed in an area where the cord could be pulled or tripped upon, Avaya recommends using the strain relief clip included with your Avaya Video MicPod 1000 to reduce the chance of disconnecting or damaging the plug or the Avaya video communications system codec.

Before attaching the strain relief clip to the codec, ensure that the codec surface is clean (free of dirt, dust, oil, and other residues) and dry. The adhesive tape on the strain relief clip is intended for a single use. Attach the strain relief clip to the codec and route the Avaya Video MicPod 1000 cable through the strain relief clip as shown in the following diagram.



To obtain a replacement strain relief clip, contact your Avaya Partner.






Troubleshooting Installation Issues



Installation issues that you may encounter with your Avaya system typically involve issues with display output, improperly connected cables, or network bandwidth or connectivity. For information about troubleshooting other issues that users may encounter with Avaya systems refer to the *Avaya Video Communications Systems User Guide*.

Improperly connected or loose cables are common causes of problems with hardware units. When investigating a system problem, first inspect all the external controls and cable connections. Ensure that connections are correct and secure, and that nothing is obstructing the cables.



Configuring Display Output from Avaya Video Conference Phone 1000

If you are using Avaya Video Conference Phone 1000 and your display shows the initial configuration screen but the image is distorted and unusable or the display is blank, you can configure the display from the Avaya Video Conference Phone 1000 user interface. Follow these steps:

1. Ensure that no calls are in progress.
2. Log in to the **Admin Menu** on your Avaya Video Conference Phone 1000.
 - a. Press     sequentially when the phone is idle.
 - b. Enter the administrator password (1 2 3 4 by default) and press .
3. Press **1** on the keypad to select **Preferences**.
4. Press **1** on the keypad to select **Display 1**.

5. Press the  key to select **Auto**.
6. Press the  key to accept your change(s).

Note: If you remain idle on any preference screen for two minutes, you return to the main screen.

7. When you have finished setting preferences, press the  key to save them.
8. Press  to return to the previous screen.



No Power

To troubleshoot a power problem, complete the following steps:

1. Disconnect the power supply unit (PSU) from the Avaya codec and the AC source.
2. Plug an appliance you know works into the AC source to determine if the source works.
3. If the AC source works, plug the PSU into the AC source, but do not connect the PSU to the Avaya codec. If the green LED on the PSU illuminates, the PSU is probably good.
4. Disconnect the PSU from the AC source. Connect the PSU to the Avaya codec. Reconnect the PSU to the AC source. If the Avaya codec fails to boot and the green LED on the PSU dims, the codec may be the source of the problem.





IP Address Displays Invalid Value

After you complete the initial configuration, if the IP address that appears at the top of the main screen displays an invalid value, one of the following conditions may exist:

Condition	Resolution
The unit is configured to obtain an address using DHCP and no DHCP server is available. Note: The DHCP client self-assigns an address in the 169.254 class B network and the red network symbol  appears in the status bar on the main screen.	Verify that the unit is plugged into a network that has a DHCP server present.
Faulty Ethernet cable connection.	Replace the Ethernet cable with a high quality cable.
The unit is configured to use a static IP address, but no IP address has been entered.	Identify and enter the necessary IP information if you disable DHCP.
Network connection is unavailable. A red network symbol  appears in the status bar on the main screen.	Inspect your network connection.

Camera Issues

Video from the camera appears in a small window on the main screen of the user interface above the **REDIAL** list. If no video from the camera appears, do the following:

- Ensure that the camera is properly connected to the Avaya codec as described in “Installing Avaya 1030” on page 14.
- Verify that the blue LED on the front of the camera is lit and not blinking, indicating that power is active.
- From the main screen of the user interface, press  on the Avaya remote control to access the **System Menu**. Press  to access page 2 of the **System Information** page. Ensure that the status of the camera is **Ready**.
- Ensure that the primary input is set to the high definition camera. Press  on the remote control. If **Primary Input : HD Camera** does not appear at the top of the screen, press  to display the **Primary Input** selection dialog. Use the arrow keys on the remote control to select the appropriate high definition camera and press **OK**.

Improving a Dim Image










If the image appears too dim, you can adjust the **HD Camera Brightness** preference in **User (or Administrator) Preferences : Diagnostics : High Definition Camera**.

Attached Video Input Device Not Working

When you connect a video input device that has capabilities not supported by an Avaya system, the status **Out of range** appears on the **System Information** page for that input. The device may be in a mode that the codec does not support. Changing the mode may help. Otherwise, the device is not supported.

Status Icons

The following table identifies the icons that can appear in the system status bar.

Icon	Condition
	Indicates that the communication subsystem is initializing. If this icon reappears after the system has booted, a problem has occurred. Reboot the system.
	Indicates that the system is initializing. When the system is initializing, functionality on the main screen is disabled and no entries appear in the REDIAL list. This icon also appears when a new device is connected to the system after the system boots and disappears when the device is ready. If the icon persists, a problem has occurred and rebooting the system is necessary.
	Indicates that the connected phone has been detected and the phone is initializing. If the icon persists, a problem has occurred and rebooting the system is necessary.
	Indicates that the system does not have an active microphone. Check the device's connections and then check the option you selected for the Active Microphone preference.
Network Status	Identifies the network status, as follows: connected  (green indicator) in progress  (yellow indicator) disconnected  (red indicator)
System Overheating	<p>This yellow indicator warns you when the system temperature is above normal operating temperature. The codec adjusts fan speed automatically to cool itself. </p> <p>This red indicator warns that the system is overheated and approaching the maximum allowed operating temperature and will automatically reboot after reaching it. </p> <hr/> <p>Warning: Temperatures that require the codec to reboot can permanently damage codec components. Ensure the room that houses the codec is properly ventilated and temperature controlled.</p> <hr/>