



Polycom Converged Management Application™ (CMA™) Desktop for Mac OS X

Help Book

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Getting Started with Polycom CMA Desktop

Welcome to Polycom CMA Desktop for Mac OS X

Polycom CMA Desktop is an easy-to-use video conferencing application that lets you see and hear the people you call. With Polycom CMA Desktop, you can connect to anyone else who is using Polycom CMA Desktop or other types of video conferencing systems. You can chat with Polycom CMA Desktop users who share presence with you. Polycom CMA Desktop Contacts who don't have cameras can still chat and participate in calls.

Related Topics

[Starting Polycom CMA Desktop](#)

[Signing In and Out](#)

[Placing a Call](#)

Starting Polycom CMA Desktop

You can start Polycom CMA Desktop manually when you want to make a call, or you can configure it to start automatically when you start your system. Once Polycom CMA Desktop is running, you can place or receive calls.

To start Polycom CMA Desktop manually:

>> From Finder, choose **Applications > Polycom CMA Desktop** and click  to start Polycom CMA Desktop.

Tip: For easy access, drag  **Polycom CMA Desktop** to the dock.

To exit from Polycom CMA Desktop:

>> Click the application menu and choose **Quit**.

To configure Polycom CMA Desktop to start and sign you in automatically:

1. Do one of the following:
 - If you're signed in to Polycom CMA Desktop, click the application menu and choose **Sign Out**.
 - Start Polycom CMA Desktop.
2. From the application menu, click **Preferences > Sign In**.
3. Select **Automatically start Polycom CMA Desktop when system starts**.
4. Select **Automatically sign in when Polycom CMA Desktop starts**.
5. Click **Apply**, then click **OK**.
6. Enter your Polycom CMA Desktop user name and password.
7. Select **Remember my password**, and then click **Sign In**.

Tip: These settings take effect the next time you restart.

Related Topics

[Signing In and Out](#)

[Placing a Call](#)

[Answering a Call](#)

[Using Chat](#)

Signing In and Out

You can choose to enter your user name and password manually, or you can sign in automatically each time you start Polycom CMA Desktop.

To sign in:

1. Enter your Polycom CMA Desktop user name and password.

All Polycom CMA Desktop user names are in the format **YourDomain\YourUserName**. Contact your Polycom CMA Desktop administrator for help with your user name.

Tip: Select **Remember my password** if you want Polycom CMA Desktop to enter your user name and password for you automatically each time you sign in. Note that this might allow others to use your account if you share this computer with others.

2. Click **Sign In**.

To sign in automatically each time Polycom CMA Desktop starts:

1. Enter your Polycom CMA Desktop user name and password.
2. Select **Remember my password**.
3. Select **Automatically sign in**.
4. Click **Sign In**.

To sign out:

>> Click the application menu and choose **Sign Out**.

Solving Sign-in Problems

If you experience problems signing in, try these tips:

- Ensure that you entered your login credentials correctly and your user name is in the format **YourDomain\YourUserName**.
- Ensure that the Polycom CMA server address is entered correctly. To do this, click **Preferences > Sign in**.
- Ensure that your network cable is securely connected to your computer.
- Ensure that your network adapter is installed and configured correctly.
- Watch the status messages at the bottom of the main window to help identify where the problem occurs.
- Contact your Polycom CMA Desktop administrator.

Related Topics


[Starting Polycom CMA Desktop](#)

[Placing a Call](#)


First Steps with Polycom CMA Desktop

To get started, try these Polycom CMA Desktop tasks. To get more detailed information, use the links to related topics at the bottom of this topic.

Add People to Your Contacts List

1. Click  to open the Directory.
2. Type a name in the **Search Text** field. For example, if you type **and**, your search may find Contacts such as Andrew Jones, Christine Anderson, or Andover Conference Room.

Tip: For faster searches in large Directories, click ▼ and choose the Group that contains the person you're looking for, if you know it.





3. From the list of names, click the name of the person you want to add.
4. Click **Add to Contacts**.
5. Polycom CMA Desktop sends an invitation to be on your Contacts list to the person you select, and  appears next to the name on your Contacts list.

Tip: The Directory includes current Polycom CMA Desktop users whom you can call, as well as people whose accounts are not active. A Polycom CMA Desktop account is activated when the person signs in for the first time. If you want to call a person whose account is not activated, tell him or her to activate the account by signing in. You can then locate the user in the Directory and place a call.


Check the Icons

When the Contact accepts your invitation, the icons beside the name show the Contact's availability.

-

Icon	Description
	Available for chat or a call.
	In a video call and able to accept an additional video call. No chat is available.
	In a video call. Available to chat.
	Unavailable for a call. Available to chat, but currently idle.

Call Someone

- Do one of the following:
 - Click a name in your Contacts list, your Recent Calls, or the Directory.
 - Type a system name or number.
- Click  **Call** to start the call.

Related Topics

[About Your Contact List, the Directory, and Your Recent Calls](#)

[Placing a Call](#)

[Answering a Call](#)

[Seeing Who's Available](#)



Calling and Answering

Placing a Call


You can place a call by choosing a name from your Contacts list, the Directory, or your Recent Calls. You can also call by entering the calling information yourself. Depending on the type of system you're using and the type of system you're calling, you can place a video call, place an audio call, or chat.

To place a call by choosing a name from your Contacts list:


>> Do one of the following:

- Double-click a Contact to place a video call. If the Contact's system does not support video, an audio call starts. If the Contact's system supports neither video nor audio, the chat window opens.
- Select a Contact, and then click  to place a video call or click  to chat.
- Right-click a Contact and choose **Place a Call**.




To place a call from the Directory:

1. Click  to open the Directory.
2. Type a name in the **Search Text** field. For example, if you type **and**, your search may find Contacts such as Andrew Jones, Christine Anderson, or Andover Conference Room.


Tip: For faster searches in large Directories, click  and choose the Group that contains the person you're looking for, if you know it.

3. Click a name and then click  **Call** to start the call.
4. If the person is registered with Polycom CMA Desktop as well as another Polycom video conferencing system, you are prompted to choose which system to call.

To place a call from your Recent Calls:

1. From the main window, do one of the following:
 - If your system is configured to include Recent Calls as a Contacts list group, click  to open the Recent Calls group, and select a name.
 - Click in the manual dial box at the bottom of the main window and start typing. If the Polycom CMA Desktop finds the name you want, you can click to select it.
 - In the manual dial box at the bottom of the main window, click , then select a name.
 - Right click on one of the Recent Calls items.
2. Click  **Call** to start the call.


To place a call by entering the calling information:

1. Type the calling information in the field at the bottom of the main window. As you type, the system finds matching Contacts from your Recent Calls. If Polycom CMA Desktop finds the name you want, you can click to select it.
2. Click  **Call** to start the call.



To call a virtual meeting room on a bridge:

1. Do one of the following:

-

- If Polycom CMA Desktop and the virtual meeting room are registered to the same gatekeeper, enter the extension (E.164 address).
 - For SIP calls, enter the address in this format: RoomNumber@IP_Address. For example, 1000@11.12.13.14.
 - For H.323 calls, enter the address in this format: IP_Address##Extension. For example: 11.12.13.14##1000.
2. Click  **Call** to start the call.

Tips for great calls

- While you are in a call, you can open a chat window and exchange messages with the other participant without affecting the call. You may want to do this if you are troubleshooting a problem, for example.
- Your administrator may have set a maximum time for calls. After the specified time limit, you are prompted to confirm that you want to stay in the call.
- Your administrator may have configured Polycom CMA Desktop to encrypt calls with systems that support encryption. When you see  at the bottom of the screen, the call is encrypted. When you see  at the bottom of the screen, the call is not encrypted.


Related Topics

- [Searching for a Contact](#)
- [Participating in a Multipoint Call](#)
- [Seeing Who's Available](#)
- [Answering a Call](#)
- [Ending a Call](#)

Ending a Call

Either participant can end a call. When the call ends, the call window closes automatically.

To end a call:

1. If your video is full screen, move your mouse to display the toolbar.
2. Click  **Hang up** on the toolbar.

Related Topics


- [Placing a Call](#)
- [Answering a Call](#)






Seeing Who's Available

You can view details about your Contacts, including the availability and system capability of the Contacts with whom you share presence. Contacts registered with the CMA presence service have icons beside their names indicating whether they are online and able to chat or to receive a call.

Availability for calls





Icons indicate a Contact's availability for a call, as shown in the following table.

Icon	Description
	Available for a video call.

	Available for a video call, but currently idle.
	No presence is available for this video system, but the system can be called.
	In a video call and able to accept an additional video call.
	In a video call or not accepting calls (Do Not Disturb).
	Offline or no video is available.








Availability to chat

Icons indicate a Contact's availability to chat, as shown in the following table.

Icon	Description
	Available to chat.
	Available to chat, but currently idle.
	Invited to join your Contacts list. No presence is yet available.
	Not accepting messages (Do Not Disturb).

Examples

The following table gives examples of the icons you might see in your Contacts list.

Icon	Description
	Available for chat or a call.
	In a video call and able to accept an additional video call. No chat is available.
	In a video call. Available to chat.
	Unavailable for a call. Available to chat, but currently idle.
	Unavailable for chat or a call (Do Not Disturb)
	Available for a call, but currently idle. No chat is available.
	Invited to join your Contacts list. No presence is yet available.

Related Topics

[Managing Your Contacts](#)

[Placing a Call](#)

Participating in a Multipoint Call

You can participate in multipoint calls that are hosted by a virtual meeting room or by a video conferencing system that can host multipoint calls. During a multipoint call, multiple sites can hear each other. Participants using video can also see each other.

For most multipoint calls, you choose someone from your Contacts list or the Directory or enter the calling information, just as you do for any other call. Some types of virtual meeting rooms require you to supply a password, extension, or meeting number after the call connects. You can get this information from the meeting organizer.

Some virtual meeting rooms allow the meeting organizer to specify calling information for all participants before the call starts. In this type of multipoint call, you simply answer the incoming call.

To join a multipoint call:

>> Choose the virtual meeting room number from your Contacts list, the Directory, or your Recent Calls.

To enter a virtual meeting room password, extension, or meeting number:

>> When you hear the prompt, click  **Tone Pad** on the toolbar and enter the required number.

To hang up from a multipoint call:

>> Click  **Hang up** on the toolbar.

Related Topics

[Placing a Call](#)

[Answering a Call](#)

[Entering a Virtual Meeting Room Password, Extension, or Meeting Number](#)

Entering a Virtual Meeting Room Password, Extension, or Meeting Number

Some types of virtual meeting rooms require you to supply a password, extension, or meeting number after the call connects. You can get this information from the meeting organizer.

To enter a password, extension, or meeting number:

>> When you hear the prompt, click  **Tone Pad** on the toolbar and enter the required number.

Related Topics


[Participating in a Multipoint Call](#)

[Placing a Call](#)

Controlling the Far-End Camera

When you are in a call and the far-end camera supports pan, tilt, and zoom movement, it might be configured to allow you to control it.

To adjust the far-end camera:


1. Click  on the toolbar.
2. Click the arrow buttons to move the camera up, down, left, or right:
3. Click **Zoom +** or **Zoom -** to zoom in or out.

Related Topic

[Placing a Call](#)


Using Chat

Using Chat



You can chat with anyone on your Contacts list who displays . You can also chat with multiple Contacts at the same time. Each conversation takes place in a separate chat window.

Polycom CMA Desktop lets you easily use both chat and video with the same Contact. While you are in a video call, you can open a chat window and exchange messages. You may want to do this if you are troubleshooting an audio problem, for example. You can open or close the chat window at any time without affecting the video call. You can also add video or audio while you are chatting, depending on the capabilities of the far-end system.

To send a message:

1. Select a Contact, and then click  to chat.
2. In the chat window, type your message, and then click **Send**.

To open the chat window during a video call:

1. If you're viewing full-screen video, click  on the toolbar to reduce the window size.
2. Click  on the toolbar.

To close the chat window:

>> Click the red close button.

Tips

- You can run Polycom CMA Desktop while you are running other chat applications on your computer.
- You can install another video conferencing application on a computer where Polycom CMA Desktop is installed. However, you cannot run Polycom CMA Desktop at the same time as other video conferencing applications.

Related Topics

[Adding a Call to a Chat Session](#)

[Customizing Chat and Call Windows](#)

Customizing the Enter Key

You can configure use of the Enter key when you type messages to work the way you prefer.

To specify how the Enter key works when you chat:

1. From the main window, click **Menu** and choose **Preferences > Messages**.
2. Specify whether pressing the Enter key should send the message or insert a line break.

Related Topics

[Customizing Chat and Call Windows](#)

[Using Chat](#)

[Placing a Call](#)

Adding a Call to a Chat Session

When you are chatting, you can add a video or audio call to your session.



To add a call to your chat session:

1. Click **Add Call**.
2. If your system is configured to show your video preview, verify your video, and adjust your camera if necessary.
Tip: To adjust the camera, click the system menu and then choose **Preferences > General > Preview my video before placing a call**.
3. Click **Call**.
If the far end supports video calls, a video call starts. If not, an audio call starts.

Related Topics[Using Chat](#)[Ending a Call](#)[Placing a Call](#)**Adding Chat to a Call**

Polycom CMA Desktop lets you easily use both chat and calling with the same Contact. While you are in a call, you can open a chat window and chat with the other participant. You may want to do this if you are troubleshooting a problem, for example. You can open or close the chat window at any time without affecting the call. You can also add a call while you are chatting.

To open the chat window during a video call:

1. If you're viewing full-screen video, click  on the toolbar to reduce the window size.
2. Click  on the toolbar.

To close the chat window:

>> Click the red close button.

Related Topics[Adding a Call to a Chat Session](#)[Customizing Chat and Call Windows](#)[Customizing the Enter Key](#)

Using the Contacts, Directory, and Recent Calls Lists

About Your Contacts List, the Directory, and Your Recent Calls

You can easily find people and systems to call with Polycom CMA Desktop.

Your Contacts List

Your Contacts list is your personal space for storing information about the people and systems you communicate with most frequently. You can add people to your Contacts list by copying them from the Directory or from your Recent Calls. When you add people whose systems support sharing presence, they receive an invitation to be on your Contacts list. You can also add people and systems outside the network by entering the information manually.

The Directory

The Directory contains information about the people and systems in your organization. This information is refreshed each time you sign in to Polycom CMA Desktop. You can't make changes to the Directory, but you can copy Directory entries to your Contacts list. In the Contacts list, you can change a Contact's display name or add the Contact to a group.

Your Recent Calls

Your Recent Calls list includes the people and systems you have called or received calls from. In the manual dial box at the bottom of the main window, click ▼, and select a name. If your system is configured to include Recent Calls as a Contacts list group, you can click ⊕ to open the Recent Calls group, and select a name. You can also search your Recent Calls and your Contacts List. Simply click in the manual dial box at the bottom of the main window, and start typing. If the system finds the name you want, you can click to select it.

Related Topics

[Managing Your Contacts](#)

[Viewing Your Recent Calls](#)


Managing Your Contacts

Your Contacts list is your personal space for storing information about the people and systems you communicate with most frequently. You can add people to your Contacts list by copying them from the Directory or from your Recent Calls. When you add people whose systems support sharing presence, they receive an invitation to be on your Contacts list. You can also add people and systems outside the network by entering the information manually.

From your Contacts list, you can place calls and chat with just a click. Sharing presence lets you each quickly see whether the other is available and what type of call is possible.

Contacts who are available for calls are displayed at the top of your Contacts list.

To add a person or system in the Directory to your Contacts list:

1. Click  to open the Directory.
2. Type a name in the **Search Text** field. For example, if you type **and**, your search may find Contacts such as Andrew Jones, Christine Anderson, or Andover Conference Room.

Tip: For faster searches in large Directories, click ▼ and choose the Group that contains the person you're looking for, if you know it.

3. Click a name, then click **Add to Contacts**.
4. Change the display name (optional).
5. Click **OK**.

If the person is registered with one or more video conferencing systems as well as with Polycom CMA Desktop, all systems are added to your Contacts list.

To add a recent caller to your Contacts list:

1. From the Recent Calls list, find the person or system to add.

2. Right-click and choose **Add to Contacts** to add the person or system to your Contacts list.
3. Change the display name (optional).
4. Click **OK**.

To create a new Contact:

1. From the main window, right-click on the Contacts list or a group, then choose **Create Contact**.
2. Enter the display name and address, then click **OK**.

To delete a Contact:

>> Right-click the Contact and choose **Delete Contact**.

To change a Contact's display name:

1. Right-click the Contact, and choose **Edit Contact**.
2. In the **New Display Name** field, type the new name using uppercase and lowercase letters, numbers 0 - 9, and the special characters space, dot, hyphen, backslash, and underscore.

The display name appears only on your computer, so it can be any name that's meaningful to you. For example, you might add your friend, whose address is mypresenceID. You might then choose "Christine" as a display name to help you more easily identify her in your Contacts list.

Related Topics

[Searching for a Contact](#)


[Seeing Details About a Contact](#)

[Seeing Who's Available](#)

Using the Directory

The Directory allows you to search for people and systems in your organization. You can call the people you find from the Directory, or you can add them to your Contacts list. When someone accepts, you can see presence information about one another.

To find a person or system in the Directory:

- 1.
2. Click  to open the Directory.
3. Type a name in the **Search Text** field. For example, if you type **and**, your search may find Contacts such as Andrew Jones, Christine Anderson, or Andover Conference Room.

Tip: For faster searches in large Directories, click ▼ and choose the Group that contains the person you're looking for, if you know it.

Related Topics

[Managing Your Contacts](#)

[Searching for a Contact](#)

[About Your Contacts List, the Directory, and Your Recent Calls](#)

Viewing Your Recent Calls




Polycom CMA Desktop gives you several ways to view your recent calls:

- Your Recent Calls list lets you see the people and systems you've called and those who have called you. You can use this list to place calls and invite people to be on your Contacts list. To make it easier to find a Contact, each Contact is listed once, even if you have participated in multiple calls together.
- Each Contact's Details window shows you a list of your recent calls with that Contact.




- The Call Log gives you another view of the calls you've placed and received. Each call is listed, along with information about each call. You can also view your call history for a single Contact.

About your Recent Calls

Your Recent Calls list shows you whether you placed or received the call and whether the call connected.

Icon	Description
	Outgoing completed call
	Incoming completed call
	Incoming missed call

To place a call from your Recent Calls list:



1. From the main window, do one of the following:
 - If your system is configured to include Recent Calls as a Contacts list group, click  to open the Recent Calls group, and select a name.
 - Click in the manual dial box at the bottom of the main window and start typing. If the Polycom CMA Desktop finds the name you want, you can click to select it.
 - In the manual dial box at the bottom of the main window, click , then select a name.
 - Right click on one of the Recent Calls items.
2. Click  **Call** to start the call.

To display your Recent Calls as a group in your Contacts list:

1. From the application menu, click **Preferences > General**.
2. Specify whether to show recent calls in the Contacts list.

To view your Call Log:

>> From the application menu, click **Call Log**.

Log entries appear in the list in the order the calls were placed to or received from the person or system. To find a recent call in the call log, click a column heading to sort or scroll through the names. Calls that connected successfully are marked with  and calls that did not connect are marked with .

To delete entries from your Call Log:

1. From the application menu, click **Call Log**.
2. Select one or more entries to delete.
3. Right-click the entries and choose **Delete Selected Entries**.

To view your call history for a Contact:

>> Right-click a Contact, and choose **Show Details**. The call history is listed in the order in which you placed calls to or received from this Contact.

Related Topics

[Placing a Call](#)

[Seeing Details About a Contact](#)

[Managing Your Contacts](#)


[Searching for a Contact](#)

Searching for a Contact


You can quickly find someone in your Contacts list, the Directory, or your Recent Calls, even when these lists contain many names. Once you find the person you want, click the name to place a call or chat.

Each person listed in the Directory can be registered with a Polycom CMA Desktop account and one or more video conferencing systems. When you place a call from the Directory, you are prompted to choose which system to call. When you invite a person to your Contacts list and they accept, you see separate entries in your Contacts list for each of the person's systems.

To search for a name in your Recent Calls lists:

1. Type the calling information in the manual dial box at the bottom of the main window. As you type, the system finds matching Contacts from your Recent Calls. If the system finds the Contact, you can click to select it.
2. Click  **Call** to start the call.

To search for a name in the Directory:

1. Click  to open the Directory.
2. Type a name in the **Search Text** field. For example, if you type **and**, your search may find Contacts such as Andrew Jones, Christine Anderson, or Andover Conference Room.

Tip: For faster searches in large Directories, click  and choose the Group that contains the person you're looking for, if you know it.

3. Click a name and then do one of the following:
 - Click **Call** to place a video call, if both systems support it. If video is not supported, an audio call starts. If the person is registered with a video conferencing system as well as with Polycom CMA Desktop, you are prompted to choose which system to call.
 - Click **Add to Contacts** to add the person or system to your Contacts list.
4. Optionally, change the display name.
5. Click **Close** to return to the main window.

Related Topics

[Placing a Call](#)

[Using Groups to Organize Contacts](#)

Seeing Details About a Contact

You can see information about each of your Contacts, including display name, call address, status, title, location, phone number, and email address. You can also view your call history with this Contact.

To see details about a contact :

>> Right-click a Contact and choose **Show Details**.

To edit a Contact's details:

>> Right-click a Contact and choose **Edit Contact**.

To close the Details window:

>> Click the red close button in the top left corner of the window.

Related Topics

[Viewing Your Recent Calls](#)

[Managing Your Contacts](#)

[About Your Contacts List, the Directory, and Your Recent Calls](#)

Working with Content


Showing the Desktop

When you show your desktop, all participants see the same content at the same time. You can show slides, spreadsheets, or any other type of file. Everyone sees everything on your desktop, including the cursor. The far end cannot control the cursor or edit the file. Only one participant at a time can show content.




If your computer is running in a dual monitor configuration, you can choose whether to show the content displayed on the right or left (top or bottom) monitor. You can also choose to show just a portion of the content.

Tip: Before you show your desktop, make sure that your content is ready.


To show the desktop to other participants:

1. In a call, click  on the toolbar.
2. Do one of the following:

The other participants see the content the way it appears on your monitor.

- Click  **Send Monitor**. If your computer is running in dual monitor configuration, click  for the monitor you want to show.
- The other participants see the content the way it appears on your monitor.
- Click  **Send Zoom** to display the selection rectangle and adjust it, if necessary.
- The other participants see only the content enclosed by the selection rectangle.

To zoom in on content:



1. Click  to display the selection rectangle.

The other participants see only the content enclosed by the selection rectangle, enlarged to fill their screens.

2. To adjust the area you are showing, move your mouse to a corner or edge of the selection rectangle and do one of the following:
 - When the cursor changes to a bidirectional arrow, click and drag to resize the selection.
 - When the cursor changes to a hand, click and drag to move the selection.

To stop showing the desktop:

>> Do one of the following:

- Click  if you are showing the full desktop.
- Click  if you are zoomed in on content.
- Close the Show Content window.

Related Topics

[Placing a Call](#)

[Viewing Content](#)




Customizing Your Polycom CMA Desktop Environment

Showing Others Your Availability

If you will be away from your computer or unavailable to accept calls, you can configure Polycom CMA Desktop to show others that you are not available. You can also configure Polycom CMA Desktop to change your availability icon automatically when your computer is idle for the amount of time you specify.

To change your availability:

>> In the main window, click ▼ below your name, and choose one of the following:

Setting	Presence
Available	 or 
Do Not Disturb	

Tip: When your system is set to Do Not Disturb, you can see presence for others on your Contacts list. You can place calls and send chat messages, but you cannot receive calls or chat messages.

To automatically show others when you are idle:

1. From the application menu, choose **Preferences > Presence**.
2. Select **Show me "Idle" when I'm inactive for:** and specify the number of minutes the system can be idle before others see your name marked as "Idle" in their Contacts lists. The Contact Details window shows your availability as **Idle**.

Related Topics

- [Seeing Who's Available](#)
- [Placing a Call](#)

Customizing Chat and Call Windows

You can choose how you want to display chat and call windows.

To specify how to display chat and call windows:

1. From the main window, click the application menu and choose **Preferences > Messages**.
2. Specify what should happen when you press Enter when you are typing a message:
 - **Sends a message** lets you send the message immediately, without clicking the **Send** button.
 - **Inserts a new line** lets you keep typing, just as you press Enter key in a message to move to a new line. Click **Send** to send the message.
3. Specify whether to display the date and time with messages.
4. Specify whether to display a message at the far end when you are typing.

Related Topics

- [Placing a Call](#)
- [Using Chat](#)

Showing and Hiding the PIP

During a call, you can verify the video you're sending to the far end by turning on the Picture-in-Picture window (the PIP). The PIP appears in the right lower corner of the main video window. You can turn it on or off any time during a call.

Tip: The toolbar is automatically hidden when you choose full-screen video. To display the toolbar temporarily, move your mouse.

To show or hide the PIP:

>> Click  on the toolbar.

Related Topics

[Viewing Full-Screen Video](#)

[Customizing Chat and Call Windows](#)

[Hiding and Showing Your Preview Video Window](#)

Viewing Full-Screen Video


When you are in a video call, you can see the video full screen. This gives you a better view of the person you're talking to. You may decide to use a smaller video window when you want to refer to content on your computer during a call or when you're chatting during the call. You can also switch back and forth between the two views during a call.

To view full-screen video:

>> Click  on the toolbar.

To return to a smaller video window:

>> Do one of the following:

- Click  on the toolbar.
- Press **Esc**.

Related Topics

[Placing a Call](#)

[Showing and Hiding the PIP](#)

[Ending a Call](#)

[Adding a Call to a Chat Session](#)

Hiding and Showing Your Video Preview Window

When you're not in a call, the video from your camera is displayed in a window above your Contacts list. You can hide this window, if you prefer.

You can also verify your local video before you place a call, and adjust your camera if necessary.

To hide your video preview window:

>> Click .

To show your video preview window:

>> Click .

To configure the system to show video preview before placing a call:

1. From the main window, click **Menu > Preferences > General**.
2. Enable **Preview my video before placing a call**.

Related Topics

[Showing and Hiding the PIP](#)

[Viewing Full-Screen Video](#)

[Customizing Chat and Call Windows](#)

Customizing the Enter Key

You can configure use of the Enter key when you type messages to work the way you prefer.

To specify how the Enter key works when you chat:

1. From the main window, click **Menu** and choose **Preferences > Messages**.
2. Specify whether pressing the Enter key should send the message or insert a line break.

Related Topics

[Customizing Chat and Call Windows](#)

[Using Chat](#)

[Placing a Call](#)

Setting Up Your Camera, Audio, and Network


Choosing a Camera

You may need to use different cameras in different environments. For example, you may use a webcam with your laptop when you work from your office, but you need to use the laptop's built-in camera when you work from home. Instead of reconfiguring your video preferences, you can choose the camera to use before or during the call.

For information about choosing a webcam or video device for use with Polycom CMA Desktop, refer to the *Release Notes for Systems*, available at support.polycom.com.

For information about installing your webcam, refer to the documentation that came with your webcam.

To choose a camera for a call:

>> Click  on the toolbar and choose the camera to use.

>> Do the following steps:

1. From the application menu, choose **Preferences > Video**.
2. Select the camera to use.

Related Topics

[Placing a Call](#)

[Specifying Camera Preferences](#)

[Adjusting the Camera](#)

[Adjusting the Volume](#)

Specifying Camera Preferences

Setting camera preferences lets you specify the camera to use and how it works with your system.

To specify camera preferences:

1. From the application menu, choose **Preferences > Video**.
2. Select the camera to use:

Setting	Description
None	Use no camera.
Automatic	Let the system automatically select a camera.
Specify	Choose the camera from a list of installed cameras.

- 3.
4. Specify whether to allow video calls when no camera is connected to your computer.

This setting lets you place and receive video calls even when your camera is not connected or when the camera selection is set to None. In this type of call, you see the far-end video, and the far end sees the Polycom CMA Desktop logo.

Related Topics

[Choosing a Camera](#)

[Adjusting the Camera](#)

[Preferences: Video](#)

Specifying Audio Preferences

Setting audio preferences lets you specify how your system handles audio.

To specify audio preferences:

1. From the application menu, click **Preferences > Audio**.
2. Choose the audio input device to use. Typically, the audio input device is a microphone or headset. Choose **Auto** to use the default audio device.
3. Choose the audio output device to use for video calls. Typically, the audio output device is speakers or a headset. Choose **Auto** to use the default audio device.
4. Choose the audio output device to use for playing alerts. Choose **Auto** to use the default audio device.

Related Topics

[Testing Audio Devices](#)

[Adjusting the Volume](#)

[Specifying Camera Preferences](#)

[Configuring Alerts](#)

[Preferences: Audio](#)

Specifying Your Network Preferences

Polycom CMA Desktop automatically adjusts to give you the best call quality for your connection type. You can specify your network connection yourself. If your administrator has set a call rate limit, this rate determines the rate used for calls.

Note: You cannot change your network settings during a call.

To specify your network type:

1. From the application menu, click **Preferences > Network**.
2. Select the type of network connection you have:

Network Type	Network Limit (all traffic)	Call Rate Limit	Video	Content	Audio	Chat
Enterprise Network	10 Mbps	1920kbps	yes	yes	yes	yes
Premium Broadband	768 kbps	512kbps	yes	yes	yes	yes
Fast Broadband	512 kbps	384kbps	yes	yes	yes	yes
Standard Broadband	384 kbps	256kbps	yes	yes	yes	yes
Basic Broadband	256 kbps	192 kbps	yes	yes	yes	yes
Minimum Broadband	128 kbps	64kbps	no	no	yes	yes



Related Topic

[Preferences: Network](#)

Solving Problems

Solving Audio and Video Problems

Symptom	Corrective Action
Video	
My camera is not listed in the device selection list.	<p>Ensure that the camera is not in use by another application. Restart Polycom CMA Desktop.</p> <p>Reinstall your video device using the installation CD provided by the device's manufacturer, and then restart Polycom CMA Desktop.</p>
Others don't see my video.	<p>Ensure that your camera cable is connected securely. Restart Polycom CMA Desktop.</p> <p>Reinstall your video device using the installation CD provided by the device's manufacturer, and then restart Polycom CMA Desktop.</p> <p>Verify your camera settings. To do this, click the application menu, and then choose Preferences > Video.</p> <p>If you are using a third party personal firewall on your computer, you may need to add Polycom CMA Desktop to the firewall's exception list. Consult your firewall documentation for more information.</p>
My video preview window shows blue video.	<p>Ensure that the camera is not in use by another application. Ensure that your camera cable is connected securely. Restart Polycom CMA Desktop.</p> <p>Reinstall your video device using the installation CD provided by the device's manufacturer, and then restart Polycom CMA Desktop.</p>
My video preview window shows the Polycom CMA Desktop logo.	<p>This is normal for systems that are configured to allow calls without a camera. A logo is shown in place of local video when the camera is not available.</p> <p>If you have a camera connected to your computer, ensure that your camera cable is connected securely.</p>
My local video looks grainy.	<p>To make sure you send the best quality video, try the following:</p> <ul style="list-style-type: none"> • Try turning on more lights in the room, and use natural or incandescent lighting instead of fluorescent lights. • Ensure that your camera is configured correctly. For more information, see Choosing a Camera.
Call quality is not good on my laptop.	<p>Ensure that your laptop is connected to a power source. Running on battery power can reduce the laptop's performance.</p>
It takes a long time to display video after the call starts.	<p>Network problems can slow down the call connection. You may want to try the call again later</p>
Sometimes no video preview on the main window, especially after the system wakes up.	<p>Hide my video preview window and show it again.</p>

The far site can't receive video or receives poor video from Polycom CMA Desktop in wireless, VPN, or ADSL environment.	Check the packet lost and call rate in Call Statistics page. Go to Preference > Network , set the Internet connection to a lower bandwidth, then call again.
When both video and audio are blocked for 15 seconds after the call setup, a firewall notification pops up.	Contact the network administrator.
The audio and the video cannot be transmitted under VPN connection.	Go to Preference -> Network , select Never use QoS .
Audio	
My microphone is not listed in the device selection list.	Reinstall your audio device using the installation CD provided by the device's manufacturer, and then restart Polycom CMA Desktop.
Others don't hear my audio.	Ensure that your audio is not muted. If your audio is muted, you see  on the screen and  is highlighted on the toolbar. Ensure your microphone cable is connected securely. Reinstall your audio device using the installation CD provided by the device's manufacturer, and then restart Polycom CMA Desktop. Verify your audio settings. To do this, click the application menu, and then choose Preferences > Audio . After you make a change, click Test Audio Devices to test the audio devices.
Far-end participants hear an echo.	Reduce the volume on your system. Place the microphone and speakers as far apart as possible. Use earphones instead of speakers. Use a headset instead of microphone and speakers.
Far-end participants hear poor audio	Place the microphone farther from the person speaking. Speaking too close to the microphone can cause poor audio quality.
I don't hear audio from others.	Ensure that the far-end audio is not muted. Ensure that your volume is set to an audible level. Ensure that your speaker cable is connected securely. Reinstall your audio device using the installation CD provided by the device's manufacturer, and then restart Polycom CMA Desktop.
I don't hear audio when I am doing audio test on selected audio output.	Go to System Preferences -> Sound, uncheck the Mute for the selected output.
Online Help	
My online help doesn't display correctly.	Ensure that your computer's web browser is configured to allow active content. Refer to your browser's documentation for information about how to adjust this setting.

Related Topics

[Testing Audio Devices](#)

[Troubleshooting Notifications](#)

Testing Audio Devices

To ensure that your audio devices are functioning correctly, you can test the audio devices used for making video calls and playing alerts.

To test audio devices:

1. From the application menu, click **Preferences > Audio**.
2. Click **Test Audio Devices**.
3. Speak into your microphone in a normal voice.

When you speak, the indicator shows that the microphone is picking up your voice. For best results, try to speak so that the color bar shows green most of the time. You may need to move the microphone farther away to do this.

4. To test the device used for audio in a call, click **Start**, and then click **Stop** to finish.
5. To test the device used for alerts, click **Start**, and then click **Stop** to finish.

Related Topics

[Specifying Audio Preferences](#)

[Adjusting the Volume](#)

Saving Logs

If you need to report a problem, you may be asked to supply information about your system. The Save Log Utility automatically creates a zipped file containing information about the system and the Polycom CMA Desktop log file. You can choose to save the file directly from the Notification Log utility.

To collect Polycom CMA Desktop Diagnostics:

1. From the main window, click the application menu and choose **Preferences > Statistics > Log**.
2. Click **Save Log**.
3. Specify where you want to save the zipped file.

To collect the Macintosh system profile on Mac OS X 10.6:

1. From the applications folder, click **Utilities > System Profiler**.
2. Choose **File > Save As** and specify where you want to save the file.

To collect the Macintosh system profile on Mac OS X 10.7:

1. From the applications folder, click **Utilities > System Information**.
2. Choose **File > Save** and specify where you want to save the file.

Related Topics

[Preferences: Save Logs](#)

[Troubleshooting Notifications](#)

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JpegLib

The Independent JPEG Group's JPEG software README for release 8b of 16-May-2010

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This software is the work of Tom Lane, Guido Vollbeding, Philip Gladstone, Bill Allombert, Jim Boucher, Lee Crocker, Bob Friesenhahn, Ben Jackson, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.

LEGAL ISSUES Copyright, lack of warranty, terms of distribution.

REFERENCES Where to learn more about JPEG.

ARCHIVE LOCATIONS Where to find newer versions of this software.

ACKNOWLEDGMENTS Special thanks.

FILE FORMAT WARS Software *not* to get.

TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.txt How to configure and install the IJG software.

usage.txt Usage instructions for cjpeg, djpeg, jpegtran,

rdjpgcom, and wrjpgcom.

*.1 Unix-style man pages for programs (same info as usage.txt).

wizard.txt Advanced usage instructions for JPEG wizards only.

change.log Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.txt How to use the JPEG library in your own programs.

example.c Sample code for calling the JPEG library.

structure.txt Overview of the JPEG library's internal structure.

filelist.txt Road map of IJG files.

coderrules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats.

The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that "The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

REFERENCES

We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <http://www.ijg.org/files/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here.

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2).

Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology. If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

IJG JPEG 8 introduces an implementation of the JPEG SmartScale extension which is specified in a contributed document at ITU and ISO with title "ITU-T JPEG-Plus Proposal for Extending ITU-T T.81 for Advanced Image Coding", April 2006, Geneva, Switzerland. The latest version of the document is Revision 3.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from <http://www.ecma-international.org/publications/techreports/E-TR-098.htm>.

A PostScript version of the JFIF document is available at

<http://www.ijg.org/files/jfif.ps.gz>. There is also a plain text version at <http://www.ijg.org/files/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.

IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.ijg.org/files/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

ARCHIVE LOCATIONS

The "official" archive site for this software is www.ijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as <http://www.ijg.org/files/jpegsr.v8b.tar.gz>, and in Windows-compatible "zip" archive format as <http://www.ijg.org/files/jpegsr8b.zip>.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG.

It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/).

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FILE FORMAT WARS

The ISO JPEG standards committee actually promotes different formats like "JPEG 2000" or "JPEG XR" which are incompatible with original DCT-based JPEG and which are based on faulty technologies. IJG therefore does not and will not support such momentary mistakes (see REFERENCES).

We have little or no sympathy for the promotion of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.

Don't use an incompatible file format!

(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

TO DO

Version 8 is the first release of a new generation JPEG standard to overcome the limitations of the original JPEG specification.

More features are being prepared for coming releases.

Please send bug reports, offers of help, etc. to jpeg-info@uc.ag.

Libxml2

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