

Multimedia User Guide

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Product notice

This user guide describes features that are
common to most models. Some features
may not be available on your computer.

Table of contents

1 Multimedia features

Identifying your multimedia components	2
Adjusting the volume	4

2 Multimedia software

Accessing your preinstalled multimedia software	6
Installing multimedia software from a disc	7

3 Audio

Connecting external audio devices	9
Checking your audio functions	10

4 Video

Connecting an external monitor or projector	12
Connecting an HDMI device	13
Configuring audio for HDMI	13

5 Optical drive (select models only)

Identifying the installed optical drive	15
Using optical discs (CDs, DVDs, and BDs)	16
Selecting the right disc (CDs, DVDs, and BDs)	17
CD-R discs	17
CD-RW discs	17
DVD±R discs	17
DVD±RW discs	17
LightScribe DVD+R discs	17
Blu-ray Discs (BD)	18
Playing a CD, DVD or BD	19
Configuring AutoPlay	20
Changing DVD region settings	21
Observing the copyright warning	22
Copying a CD or DVD	23
Creating or “burning” a CD or DVD	24

Removing a CD, DVD, or BD	25
6 Webcam (select computer models)	
Webcam tips	27
Adjusting webcam properties	28
7 Troubleshooting	
The optical disc tray does not open for removal of a CD, DVD, or BD	30
The computer does not detect the optical drive	30
A disc does not play	31
A disc does not play automatically	32
A movie stops, skips, or plays erratically	33
A movie is not visible on an external display	34
The process of burning a disc does not begin, or it stops before completion	35
A device driver must be reinstalled	36
Obtaining Microsoft device drivers	36
Obtaining HP device drivers	36
Using SoftPaq Download Manager	38
Index	39

1 Multimedia features

Your computer includes multimedia features that allow you to listen to music, watch movies, and view pictures. Your computer may include the following multimedia components:

- Optical drive for playing audio and video discs
- Integrated speakers for listening to music
- Integrated microphone for recording your own audio
- Integrated webcam that allows you to capture and share video
- Preinstalled multimedia software that allows you to play and manage your music, movies, and pictures




NOTE: Your computer may not include all of the components listed.

The following sections explain how to identify and use the multimedia components included with your computer.

Identifying your multimedia components

The following illustration and table describe the multimedia features of the computer.

 **NOTE:** Your computer may look slightly different from the illustration in this section.



Component	Description
(1) Internal microphones (2)	Record sound.
(2) Webcam (select models only)	Records audio and video and captures still photographs.
(3) Speakers (2)	Produce sound.
(4) Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.
(5) Audio-out (headphone) jack	Produces sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio.

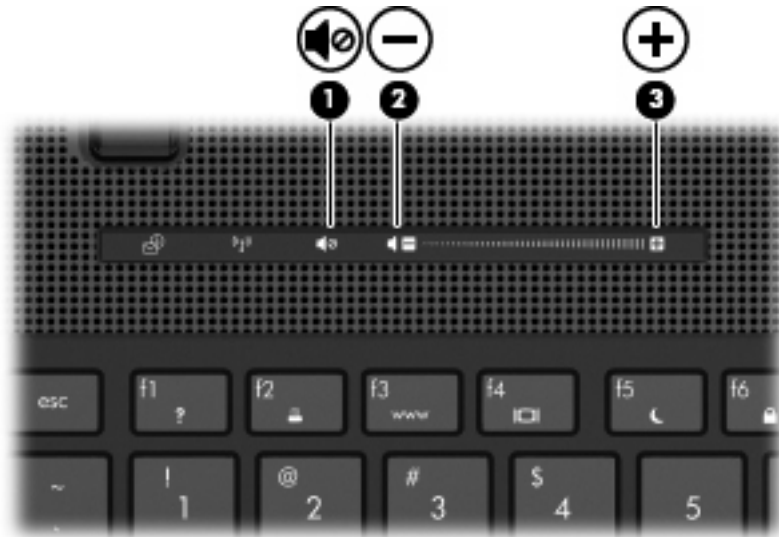
NOTE: When a device is connected to the headphone jack, the computer speakers are disabled.

Component	Description
(6) Volume scroll zone	Adjusts speaker volume.
(7) Volume mute button	Mutes and restores speaker sound.

Adjusting the volume

You can adjust the volume using the following controls:

- Computer volume buttons:
 - To mute or restore volume, press the mute button **(1)**.
 - To decrease volume, slide your finger across the volume scroll zone from right to left, or press and hold the minus (–) sign **(2)** until the desired volume level is reached.
 - To increase volume, slide your finger across the volume scroll zone from left to right, or press and hold the plus (+) sign **(3)** until the desired volume level is reached.



- Windows® volume control:
 - a. Click the **Volume** icon in the notification area, at the far right of the taskbar.
 - b. Increase or decrease the volume by moving the slider up or down. Select the **Mute** check box to mute the volume.

– or –

- a. Double-click the **Volume** icon in the notification area.
- b. In the Volume control column, increase or decrease the volume by moving the **Volume** slider up or down. You can also adjust the balance or mute the volume.

If the Volume icon is not displayed in the notification area, follow these steps to add it:

- a. Select **Start > Control Panel > Sounds, Speech, and Audio Devices > Sounds and Audio Devices > Volume** tab.
 - b. Select the **Place volume icon in the taskbar** check box.
 - c. Click **Apply**.
- Program volume control:

Volume can also be adjusted within some programs.


2 Multimedia software

Your computer includes preinstalled multimedia software that allows you to play music, watch movies, and view pictures. The following sections provide details about preinstalled multimedia software.

Accessing your preinstalled multimedia software

To access your preinstalled multimedia software:


- ▲ Select **Start > All Programs**, and then open the multimedia program you want to use.

 **NOTE:** Some programs may be located in subfolders.

Installing multimedia software from a disc

To install any multimedia software from a CD or DVD, follow these steps:

1. Insert the disc into the optical drive (select models only).
2. When the installation wizard opens, follow the on-screen instructions.
3. Restart the computer if you are prompted to do so.


 **NOTE:** For details about using software included with the computer, refer to the software manufacturer's instructions, which may be provided with the software, on disc, or on the manufacturer's Web site.

3 Audio

Your computer enables you to use a variety of audio features:


- Play music using your computer speakers and/or connected external speakers
- Record sound using the internal microphone or connect an external microphone
- Download music from the Internet
- Create multimedia presentations using audio and images
- Transmit sound and images with instant messaging programs
- Stream radio programs (select models only) or receive FM radio signals
- Create or “burn” audio CDs (select models only)

Connecting external audio devices

 **WARNING!** To reduce the risk of personal injury, adjust the volume before putting on headphones, earbuds, or a headset. For additional safety information, refer to the *Regulatory, Safety and Environmental Notices*.

To connect external devices such as external speakers, headphones, or a microphone, refer to the information provided with the device. For best results, remember the following tips:

- Be sure that the device cable is securely connected to the correct jack on your computer. (Cable connectors are normally color-coded to match the corresponding jacks on the computer.)
- Be sure to install any drivers required by the external device.

 **NOTE:** A driver is a required program that acts like a translator between the device and the programs that use the device.

Checking your audio functions


To check the system sound on your computer, follow these steps:

1. Select **Start > Control Panel**.
2. Select **Sounds, Speech, and Audio Devices > Sounds and Audio Devices**.
3. When the Sounds and Audio Devices Properties window opens, click the **Sounds** tab. Under **Program events**, select any sound event, such as a beep or alarm, and then click the right arrow icon next to the listed sound.

You should hear sound through the speakers or through connected headphones.

To check the record functions of the computer, follow these steps:

1. Select **Start > All Programs > Accessories > Entertainment > Sound Recorder**.
2. Click **Record** and speak into the microphone. Save the file to your desktop.
3. Open Windows Media Player and play back the sound.

 **NOTE:** For best results when recording, speak directly into the microphone and record sound in a setting free of background noise.

- ▲ To confirm or change the audio settings on your computer, right-click the **Sound** icon on the taskbar, or select **Start > Control Panel > Sounds, Speech, and Audio Devices > Sounds and Audio Devices**.

4 Video

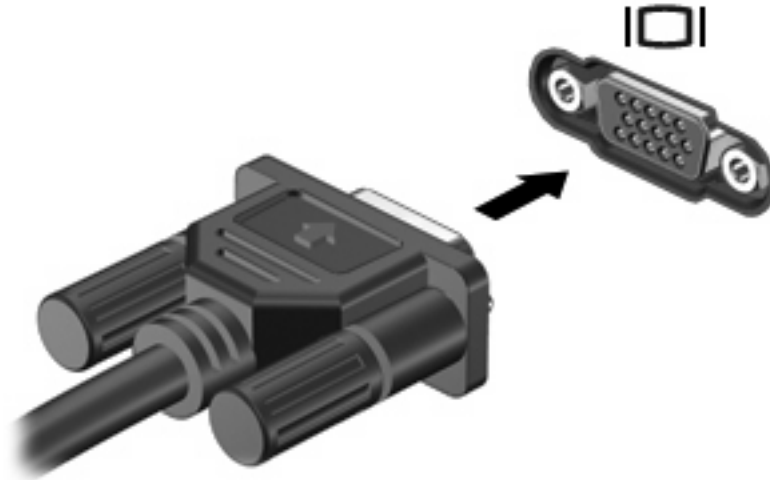
Your computer enables you to use a variety of video features:


- Watch movies
- Play games over the Internet
- Edit pictures and video to create presentations
- Connect external video devices

Connecting an external monitor or projector

The external monitor port connects an external display device such as an external monitor or a projector to the computer.

- ▲ To connect a display device, connect the device cable to the external monitor port.




 **NOTE:** If a properly connected external display device does not display an image, press **fn+f4** to transfer the image to the device. Repeatedly pressing **fn+f4** alternates the screen image between the computer display and the device.

Connecting an HDMI device

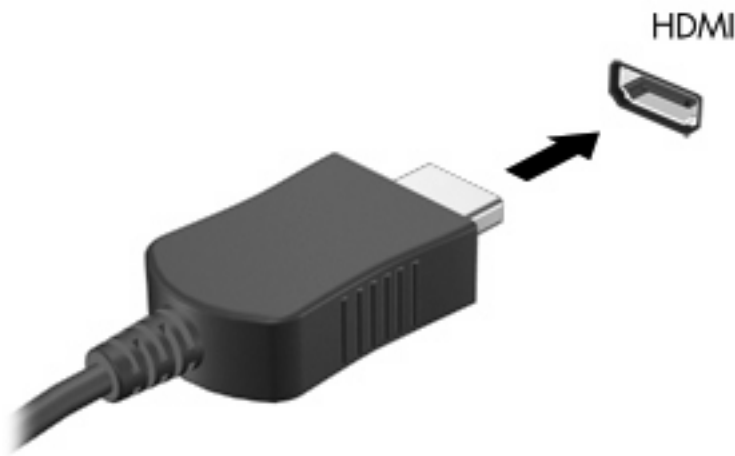
The computer includes an HDMI (High Definition Multimedia Interface) port. The HDMI port connects the computer to an optional video or audio device, such as a high-definition television, or any compatible digital or audio component.

The computer can support one HDMI device connected to the HDMI port, while simultaneously supporting an image on the computer display or any other supported external display.

 **NOTE:** To transmit video signals through the HDMI port, you need an HDMI cable (purchased separately), available from most electronic retailers.

To connect a video or audio device to the HDMI port:

1. Connect one end of the HDMI cable to the HDMI port on the computer.



2. Connect the other end of the cable to the video device, according to the device manufacturer's instructions.
3. Press **fn+f4** on the computer to switch the image between the display devices connected to the computer.

Configuring audio for HDMI

Connect an audio or video device, such as a high-definition TV, to the HDMI port on your computer. Then configure the default audio playback device as follows:

1. Right-click the **Speaker** icon in the notification area, at the far right of the taskbar, and then click **Adjust Audio Properties**.
2. On the **Audio** tab, under **Sound playback**, click either **HD Audio digital out** or **ATI HD Audio rear output**.
3. Click **OK**.

To return audio to the computer speakers, follow these steps:

1. Right-click the **Speaker** icon in the notification area, at the far right of the taskbar, and then click **Adjust Audio Properties**.
2. On the **Audio** tab, under **Sound playback**, click **Sound MAX HD Audio**.
3. Click **OK**.

5 Optical drive (select models only)


Your computer includes an optical drive that expands the functionality of the computer. Identify what kind of device is installed in your computer to see its capabilities. The optical drive allows you to read data discs, play music, and watch movies. If your computer includes a Blu-ray Disc, also known as BD, drive, then you can also watch high-definition video from disc.

Identifying the installed optical drive

▲ Select **Start > My Computer**.

You will see a list of all the devices installed on your computer, including your optical drive. You may have one of the following types of drives:


- DVD-ROM Drive
- DVD±RW SuperMulti Double-Layer (DL) LightScribe Drive
- Blu-ray ROM with LightScribe DVD±RW SuperMulti DL Drive

 **NOTE:** Some of the drives listed above may not be supported by your computer.

Using optical discs (CDs, DVDs, and BDs)

An optical drive, such as a DVD-ROM drive, supports optical discs (CDs and DVDs). These discs store information, such as music, photos, and movies. DVDs have a higher storage capacity than CDs.

Your optical drive can read standard CD and DVD discs. If your optical drive is a Blu-ray Disc (BD) drive, it can also read BDs.


 **NOTE:** Some of the optical drives listed may not be supported by your computer. The listed drives are not necessarily all of the supported optical drives.

Some optical drives can also write to optical discs as described in the following table.

Optical drive type	Write to CD-RW	Write to DVD±RW/R	Write to DVD±RW DL	Write label to LightScribe CD or DVD ±RW/R
DVD-ROM Drive	No	No	No	No
DVD±RW SuperMulti DL LightScribe Drive*†	Yes	Yes	Yes	Yes
Blu-ray ROM with LightScribe DVD±RW SuperMulti DL Drive*†	Yes	Yes	Yes	Yes


*Double-layer discs can store more data than single-layer discs. However, double-layer discs burned with this drive may not be compatible with many single-layer DVD drivers and players.

†LightScribe discs must be purchased separately. LightScribe creates a grayscale image similar to black-and-white photography.

 **CAUTION:** To prevent possible audio and video degradation, loss of information, or loss of audio or video playback functionality, do not initiate Standby or Hibernation while reading a CD, DVD, or BD, or writing to a CD or DVD.

Selecting the right disc (CDs, DVDs, and BDs)

An optical drive supports optical discs (CDs, DVDs, and BDs). CDs, used to store digital data, are also used for commercial audio recordings and are convenient for your personal storage needs. DVDs and BDs are used primarily for movies, software, and data backup purposes. DVDs and BDs are the same form factor as CDs but have a much higher storage capacity.

 **NOTE:** The optical drive on your computer may not support all the types of optical discs discussed in this section.

CD-R discs

Use CD-R (write-once) discs to create permanent archives and to share files with virtually anyone. Typical uses include the following:

- Distributing large presentations
- Sharing scanned and digital photos, video clips, and written data
- Making your own music CDs
- Keeping permanent archives of computer files and scanned home records
- Offloading files from your hard drive to free up disk space

After data is recorded, it cannot be erased or written over.

CD-RW discs

Use a CD-RW disc (a rewritable version of a CD) to store large projects that must be updated frequently. Typical uses include the following:

- Developing and maintaining large documents and project files
- Transporting work files
- Making weekly backups of hard drive files
- Updating photos, video, audio, and data continuously

DVD±R discs

Use blank DVD±R discs to permanently store large amounts of information. After data is recorded, it cannot be erased or written over.

DVD±RW discs

Use DVD±RW discs if you want to be able to erase or write over data that you saved earlier. This type of disc is ideal for testing audio or video recordings before you burn them to a CD or DVD that cannot be changed.

LightScribe DVD+R discs


Use LightScribe DVD+R discs for sharing and storing data, home videos, and photos. These discs are read-compatible with most DVD-ROM drives and DVD video players. With a LightScribe-enabled drive and LightScribe software, you can write data to the disc and then add a designer label to the outside of the disc.

Blu-ray Discs (BD)

BD is a high-density optical disc format for the storage of digital information, including high-definition video. A single-layer Blu-ray Disc can store 25 GB, over 5 times the storage capacity of a single-layer DVD at 4.7 GB. A dual-layer Blu-ray Disc can store 50 GB, almost 6 times the storage capacity of a dual-layer DVD at 8.5 GB.


Typical uses include the following:

- Storage of large amounts of data
- High-definition video playback and storage
- Video games

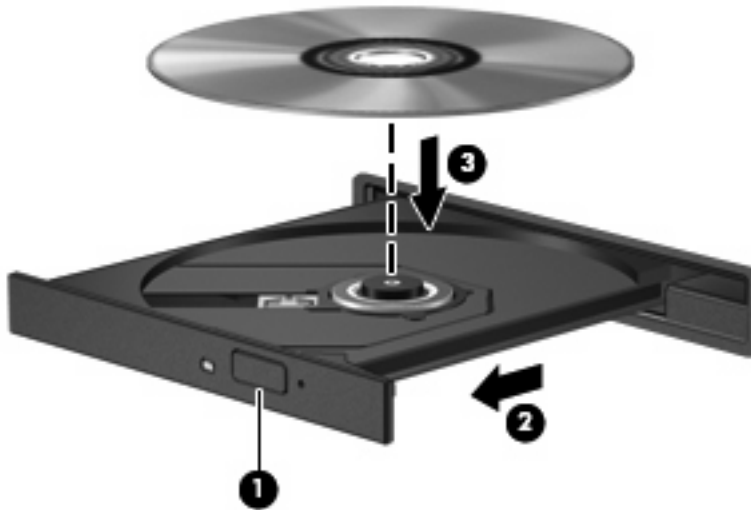
 **NOTE:** As Blu-ray is a new format containing new technologies, certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed.

Playing a CD, DVD or BD

1. Turn on the computer.
2. Press the release button (1) on the drive bezel to release the disc tray.
3. Pull out the tray (2).
4. Hold the disc by the edges to avoid touching the flat surfaces and position the disc label-side up over the tray spindle.


 **NOTE:** If the tray is not fully accessible, tilt the disc carefully to position it over the spindle.

5. Gently press the disc (3) down onto the tray spindle until the disc snaps into place.




6. Close the disc tray.

If you have not yet configured AutoPlay, as described in the following section, an AutoPlay dialog box opens. It prompts you to select how you want to use the media content.


 **NOTE:** For best results, be sure that your AC adapter is plugged into an external power source while playing a BD.

Configuring AutoPlay

1. Select **Start > My Computer**.
2. Right-click the device (such as CD-ROM drive), and then click **Properties**.
3. Click the **AutoPlay** tab, and then select one of the available actions.

 **NOTE:** Choose WinDVD to play DVDs.

4. Click **OK**.

 **NOTE:** For more information about AutoPlay, select **Start > Help and Support**.

Changing DVD region settings

Most DVDs that contain copyrighted files also contain region codes. The region codes help protect copyrights internationally.

You can play a DVD containing a region code only if the region code on the DVD matches the region setting on your DVD drive.

△ **CAUTION:** The region settings on your DVD drive can be changed only 5 times.

The region setting you select the fifth time becomes the permanent region setting on the DVD drive.

The number of region changes remaining is displayed on the DVD Region tab.

To change settings through the operating system:

1. Select **Start > My Computer**.
2. Right-click in the window and select **Properties > Hardware tab > Device Manager**.
3. Click the "+" sign next to **DVD/CD-ROM drives**, right-click the DVD drive for which you want to change region settings, and then click **Properties**.
4. Make the desired changes on the **DVD Region** tab.
5. Click **OK**.

Observing the copyright warning

It is a criminal offense, under applicable copyright laws, to make unauthorized copies of copyright-protected material, including computer programs, films, broadcasts, and sound recordings. Do not use this computer for such purposes.

△ **CAUTION:** To prevent loss of information or damage to a disc, observe the following guidelines:

Before writing to a disc, connect the computer to a reliable external power source. Do not write to a disc while the computer is running on battery power.

Before writing to a disc, close all open programs except the disc software you are using.

Do not copy directly from a source disc to a destination disc or from a network drive to a destination disc. Save the information to your hard drive, and then burn from your hard drive to the destination disc.

Do not use the computer keyboard or move the computer while the computer is writing to a disc. The write process is sensitive to vibration.

📄 **NOTE:** For details about using software included with the computer, refer to the software manufacturer's instructions, which may be provided on disc, in the software Help, or on the manufacturer's Web site.

Copying a CD or DVD

1. Select **Start > All Programs > Roxio > Creator Business**.
2. In the right pane, click **Copy Disc**.
3. Insert the disc you want to copy into the optical drive.
4. Click **Copy** at the bottom right of the screen.

Creator Business reads the source disc and copies the data to a temporary folder on your hard drive.

5. When prompted, remove the source disc from the optical drive and insert a blank disc into the drive.

After the information is copied, the disc you created is ejected automatically.

Creating or “burning” a CD or DVD

If your computer comes with a writable optical drive, you can use software such as Windows Media Player or Roxio Creator Business to burn data and audio files, including MP3 and WAV music files. To burn video files to a disc, use Windows Movie Maker.

Observe the following guidelines when burning a CD or DVD:

- Observe the copyright warning. It is a criminal offense, under applicable copyright laws, to make unauthorized copies of copyright-protected material, including computer programs, films, broadcasts, and sound recordings. Do not use this computer for such purposes.
- Before burning a disc, save and close any open files and close all programs.
- A CD-R or DVD-R is usually best for burning audio files because after the information is copied, it cannot be changed.
- Because some home and car stereos will not play CD-RWs, use CD-Rs to burn music CDs.
- A CD-RW or DVD-RW is generally best for burning data files or for testing audio or video recordings before you burn them to a CD or DVD that cannot be changed.
- DVD players used in home systems usually do not support all DVD formats. Refer to the user guide that came with your DVD player for a list of supported formats.
- An MP3 file uses less space than other music file formats, and the process for creating an MP3 disc is the same as the process for creating a data file. MP3 files can be played only on MP3 players or on computers with MP3 software installed.

To burn a CD or DVD, follow these steps:

1. Download or copy the source files into a folder on your hard drive.
2. Insert a blank CD or DVD into the optical drive.
3. Select **Start > All Programs**, and then select the name of the software you want to use.




NOTE: Some programs may be located in subfolders.

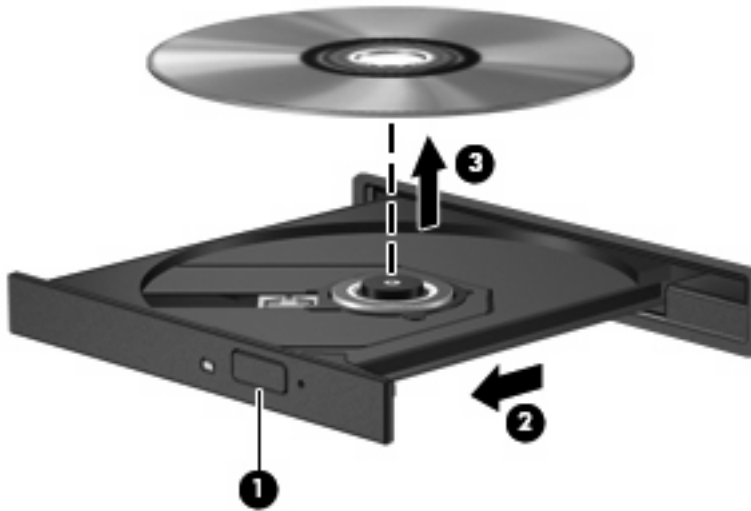
4. Select the kind of disc you want to create—data, audio, or video.
5. Right-click **Start > Explore** and navigate to the folder where the source files are stored.
6. Open the folder, and then drag the files to the drive that contains the blank optical disc.
7. Initiate the burning process as directed by the program you have selected.

For specific instructions, refer to the software manufacturer's instructions, which may be provided with the software, on disc, or on the manufacturer's Web site.

Removing a CD, DVD, or BD

1. Press the release button (1) on the drive bezel to release the disc tray, and then gently pull out the tray (2) until it stops.
2. Remove the disc (3) from the tray by gently pressing down on the spindle while lifting the outer edges of the disc. Hold the disc by the edges and avoid touching the flat surfaces.

 **NOTE:** If the tray is not fully accessible, tilt the disc carefully as you remove it.



3. Close the disc tray and place the disc in a protective case.

6 Webcam (select computer models)

Select computer models include an integrated webcam, located at the top of the display. With the preinstalled software, you can use the webcam to take a photo, record a video, or make an audio recording. You can preview the photo, video recording, or audio recording, and save it on your computer hard drive.

To access the webcam and HP Webcam software, select **Start > All Programs > HP Webcam**.


The webcam software enables you to experiment with the following features:

- Video—Record and play back webcam video.
- Audio—Record and play back audio.
- Streaming video—Use with instant message software solutions that support UVC (Universal Video Class) cameras.
- Snapshots—Take still photos.

Webcam tips

For optimum performance, observe the following guidelines while using the webcam:

- Be sure that you have the latest version of an instant message program before starting a video conversation.
- Whenever possible, place bright light sources behind the webcam and out of the picture area.

 **NOTE:** If you are having trouble viewing or sending multimedia files to someone on another LAN or outside your network firewall, temporarily disable the firewall, perform the task you want to perform, and then reenable the firewall. To permanently resolve the problem, reconfigure the firewall as necessary, and adjust the policies and settings of other intrusion detection systems. For additional information, contact your network administrator or IT department.

NOTE: For information about using the webcam, select **Start > Help and Support**.

Adjusting webcam properties

You can adjust the following webcam properties:

- **Brightness**—Controls the amount of light that is incorporated into the image. A higher brightness setting creates a brighter image; a lower brightness setting creates a darker image.
- **Contrast**—Controls the difference between lighter and darker areas on the image. A higher contrast setting intensifies the image; a lower contrast setting maintains more of the original information's dynamic range but leads to a flatter image.
- **Hue**—Controls the aspect of color that distinguishes it from another color (what makes a color red, green, or blue). Hue is distinct from saturation, which measures the intensity of the hue.
- **Saturation**—Controls the strength of color in the final image. A higher saturation setting creates a bolder image; a lower saturation setting creates a more subtle image.
- **Sharpness**—Controls the definition of edges in an image. A higher sharpness setting creates a more defined image; a lower sharpness setting creates a softer image.
- **Gamma**—Controls the contrast affecting the mid-level grays or midtones of an image. Adjusting the gamma of an image allows you to change the brightness values of the middle range of gray tones without dramatically altering the shadows and highlights. A lower gamma setting makes grays look black, and makes dark colors even darker.
- **Backlight Compensation**—Compensates in cases where a subject with a large amount of background light would otherwise be obscured by blooming or silhouetting.
- **NightMode**—Compensates for low-light conditions.
- **Zoom (select models only)**—Adjusts the zoom percentage for taking photos or recording videos.
- **Horizontal or vertical**—Rotates the image horizontally or vertically.
- **50Hz or 60Hz**—Adjusts the shutter speed to achieve a video recording that does not flicker.


Customizable preset profiles for multiple lighting conditions compensate for the following lighting conditions: incandescent, fluorescent, halogen, sunny, cloudy, night.

7 Troubleshooting

The following sections describe several common issues and resolutions.

The optical disc tray does not open for removal of a CD, DVD, or BD

1. Insert the end of a paper clip (1) into the release access in the front bezel of the drive.
2. Press in gently on the paper clip until the disc tray is released, and then pull out the tray (2) until it stops.
3. Remove the disc (3) from the tray by gently pressing down on the spindle while lifting the outer edges of the disc. Hold the disc by the edges and avoid touching the flat surfaces.

 **NOTE:** If the tray is not fully accessible, tilt the disc carefully as you remove it.



4. Close the disc tray and place the disc in a protective case.

The computer does not detect the optical drive

If Windows® does not detect an attached device, the device driver software may be missing or corrupted. If you suspect that the DVD/CD-ROM drive is not being detected, verify that the optical drive is listed in the Device Manager utility.

1. Remove any discs from the optical drive.
2. Select **Start > My Computer**.
3. Right-click in the window and select **Properties > Hardware** tab, and then click **Device Manager**.
4. In the Device Manager window, click the plus (+) sign next to **DVD/CD-ROM drives**, unless a minus (-) sign is already showing. Look for an optical drive listing.

If the drive is not listed, install (or reinstall) the device driver as instructed in the section "A device driver must be reinstalled."

A disc does not play

- Save your work and close all open programs before playing a CD, DVD, or BD.
- Log off the Internet before playing a CD, DVD, or BD.
- Be sure that you insert the disc properly.
- Be sure that the disc is clean. If necessary, clean the disc with filtered water and a lint-free cloth. Wipe from the center of the disc to the outer edge.
- Check the disc for scratches. If you find scratches, treat the disc with an optical disc repair kit available at many electronics stores.
- Disable Standby before playing a disc.

Do not initiate Hibernation or Standby while playing a disc. Otherwise, you may see a warning message asking if you want to continue. If this message is displayed, click **No**. After you click No, the computer may behave in either of the following ways:

- Playback may resume.
 - or –
 - The playback window in the multimedia program may close. To return to playing the disc, click the **Play** button in your multimedia program to restart the disc. In rare cases, you may need to exit the program and then restart it.
- Increase system resources:

Turn off external devices such as printers and scanners. Disconnecting these devices frees up valuable system resources and results in better playback performance.


Change desktop color properties. Because the human eye cannot easily tell the difference between colors beyond 16 bits, you should not notice any loss of color while watching a movie if you lower system color properties to 16-bit color, as follows:

1. Right-click anywhere on the desktop except on an icon, and then select **Properties > Settings**.
2. Set **Color quality** to **Medium (16 bit)**.

A disc does not play automatically

1. Click **Start > My Computer**.
2. Right-click the device (such as CD-ROM drive), and then click **Properties**.
3. Click the **AutoPlay** tab, and then select one of the available actions.
4. Click **OK**.

A CD, DVD, or BD should now start automatically when it is inserted into the optical drive.


 **NOTE:** For more information about AutoPlay, refer to Help and Support.

A movie stops, skips, or plays erratically

- Check to be sure the disc is not scratched or damaged.
- Clean the disc.
- Conserve system resources by trying the following suggestions:
 - Log off the Internet.
 - Change the color properties of the desktop:
 1. Right-click on a blank area of the computer desktop, and select **Properties > Settings**.
 2. Set **Color quality to Medium (16 bit)**, if this setting is not already selected.
 - Disconnect external devices, such as a printer, scanner, camera, or handheld device.

A movie is not visible on an external display

1. If both the computer display and an external display are turned on, press **fn+f4** one or more times to switch between the 2 displays.
2. Configure the monitor settings to make the external display primary:
 - a. Right-click on a blank area of the computer desktop, and select **Properties > Settings**.
 - b. Specify a primary display and a secondary display.

 **NOTE:** When using both displays, the DVD image will not appear on any display designated as the secondary display.

To get information about a multimedia question not covered in this guide, select **Start > Help and Support**.

The process of burning a disc does not begin, or it stops before completion

- Be sure that all other programs are closed.
- Turn off Standby and Hibernation.
- Be sure that you are using the right kind of disc for your drive. See your user guides for more information about disc types.
- Be sure that the disc is inserted properly.
- Select a slower write speed and try again.
- If you are copying a disc, save the information on the source disc to your hard drive before trying to burn the contents to a new disc, and then burn from your hard drive.
- Reinstall the disc-burning device driver located in the DVD/CD-ROM drives category in Device Manager.

A device driver must be reinstalled

Obtaining Microsoft device drivers

You can obtain the latest Windows device drivers by using Microsoft® Update. This Windows feature can be set to automatically check for and install updates for your hardware drivers, as well as for the Windows operating system and other Microsoft products.

To use Microsoft Update:

1. Open your Internet browser and go to <http://www.microsoft.com>.
2. Click **Security & Updates**.
3. Click **Microsoft Update** to get the latest updates for your computer operating system, programs, and hardware.
4. Follow the on-screen instructions to install Microsoft Update.
5. Click **Change settings** and select a time for Microsoft Update to check for updates to the Windows operating system and other Microsoft products.
6. If prompted to do so, restart your computer.

Obtaining HP device drivers

Follow either of the following procedures to obtain HP device drivers.

To use the HP Update Utility:

1. Select **Start > All Programs > HP > HP Update**.
2. On the HP Welcome screen, click **Settings**, and then select a time when the utility should check for software updates on the Web.
3. Click **Next** to immediately check for HP software updates.


To use the HP Web site:

1. Open your Internet browser, and go to <http://www.hp.com/support>, and select your country or region.
2. Click the option for software and driver downloads, and then type your computer model number in the search box, and then press **enter**.

– or –

If you want a specific SoftPaq, enter the SoftPaq number in the **Search** box, press **enter**, and follow the instructions provided. Proceed to step 6.

3. Click your specific product from the models listed.
4. Click the Windows XP operating system.
5. When the list of drivers is displayed, click an updated driver to open a window containing additional information.
6. Click **Install now** to install the updated driver.

 **NOTE:** In some locations you may be able to download the driver and install it later. To do this, click **Download only** to save the file to your computer. When prompted, click **Save** and then select a storage location on your hard drive. After the file is downloaded, navigate to the folder where the file was stored, and double-click the file to install.

7. If prompted to do so, restart your computer after the installation is complete, and then verify the operation of the device.

Using SoftPaq Download Manager

HP SoftPaq Download Manager (SDM) is a tool that provides quick access to SoftPaq information for HP business computers without having to know the SoftPaq number. Using this tool, you can easily search for SoftPaqs and then download and unpack them.

SoftPaq Download Manager works by reading and downloading, from the HP FTP site, a published database file containing computer model and SoftPaq information. SoftPaq Download Manager allows you to specify one or more computer models to determine which SoftPaqs are available for download.

SoftPaq Download Manager checks the HP FTP site for updates to the database and software. If updates are found, they are downloaded and applied automatically.

To download SoftPaqs:

1. Click **Start > All Programs > HP > HP SoftPaq Download Manager**.
2. When the SoftPaq Download Manager opens for the first time, a window is displayed asking if you want to show only software for the computer you are using or to show the software for all supported models. Select **Show software for all supported models**. If you have used HP SoftPaq Download Manager previously, go to Step 3.
 - a. Select your operating system and language filters in the Configuration Options window. The filters limit the number of options that are listed in the Product Catalog pane. For example, if only Windows® XP Professional is selected in the operating system filter, the only operating system that is displayed in the Product Catalog is Windows XP Professional.
 - b. To add other operating systems, change the filter settings in the Configuration Options window. Refer to the HP SoftPaq Download Manager software Help for more information.
3. In the left pane, click the (+) sign to expand the model list, and then select the model(s) of the products you want to update.
4. Click **Find Available SoftPaqs** to download a list of available SoftPaqs for the selected computer.
5. Select from the list of available SoftPaqs, and then click **Download Only** if you have many SoftPaqs to download, because the SoftPaq selection and Internet connection speed determine how long the download process will take.

If you have only one or two SoftPaqs to download and a high-speed Internet connection, click **Download & Unpack**.

6. Right-click the file in the SoftPaq Download Manager software application, and then click **Install SoftPaq** to install the SoftPaq on the computer.

Index

A

audio devices, connecting
 external 9
audio features 8
audio functions, checking 10
audio, configuring 13
audio-in (microphone) jack 2
audio-out (headphone) jack 2
AutoPlay 20

B

BD
 playing 19
 removing 25
Blu-ray Disc (BD) 15, 16
Blu-ray ROM with LightScribe DVD
 ±RW SuperMulti DL Drive 16
button, volume mute 4

C

camera
 adjusting properties 28
 identifying 2
 tips 27
 using 26

CD

 burning 24
 copying 23
 playing 19
 removing 25
CD drive 15
copyright warning 22

D

device drivers
 HP 36
 Microsoft 36
 uninstalling, reinstalling 36
drives
 DVD-ROM Drive 16

DVD±RW SuperMulti DL
 LightScribe Drive 16
 optical 15

DVD

 burning 24
 changing region setting 21
 copying 23
 playing 19
 removing 25
DVD drive 15
DVD region settings 21

E

earbuds 2
external audio devices,
 connecting 9
external monitor port 12

H

HDMI
 configuring 13
 connecting 13
HDMI port 13
headphone (audio-out) jack 2
headphones 2
high-definition devices,
 connecting 13

I

internal microphone, identifying 2
issues, resolving 29

J

jacks
 audio-in (microphone) 2
 audio-out (headphone) 2

M

microphone, internal 2
monitor, connecting 12

multimedia components,
 identifying 2
multimedia software
 accessing 6
 installing 7
mute button 4
mute button, identifying 3

O

optical disc
 removing 25
 using 17
optical drive 15

P

ports
 external monitor 12
 HDMI 13
projector, connecting 12

R

region codes, DVD 21

S

SoftPaqs, downloading 38
speakers 2

T

tips, webcam 27
troubleshooting
 AutoPlay 32
 device drivers 36
 disc burning 35
 disc play 31
 downloading a SoftPaq 38
 external display 34
 movie play 33
 optical disc tray 30
 optical drive detection 30

V

- video, using 11
- volume mute button 4
- volume mute button, identifying 3
- volume scroll zone 4
- volume scroll zone, identifying 3
- volume, adjusting 4

W

- webcam
 - adjusting properties 28
 - identifying 2
 - tips 27
 - using 26

