

# **Multimedia**

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This guide explains how to use the multimedia hardware and software features of the computer. Multimedia features vary according to the model and software you selected.

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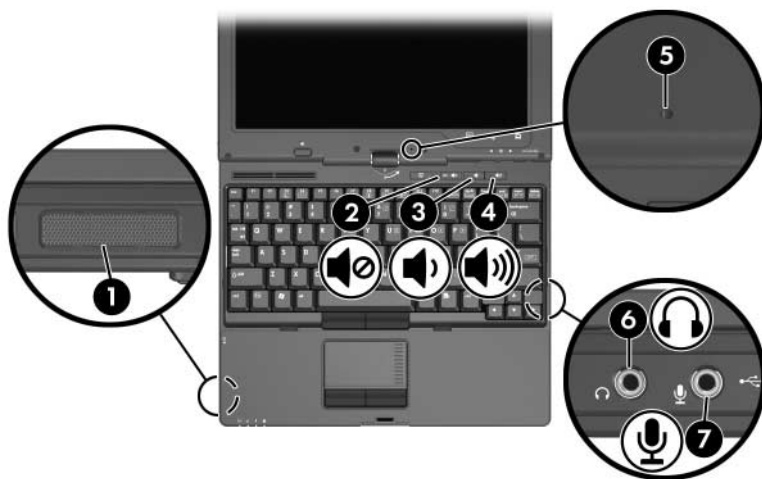
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# 1

## Multimedia hardware

### Using the audio features

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



Component	Description
❶ Speaker	Produces computer sound.
❷ Volume mute button	Mutes and restores computer sound.
❸ Volume down button	Decreases computer sound.

*(Continued)*

<b>Component</b>	<b>Description</b>
④ Volume up button	Increases computer sound.
⑤ Internal microphone	Records sound.
⑥ Audio-out (headphone) jack	Connects optional powered stereo speakers, headphones, ear buds, a headset, or television audio.
⑦ Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.

## Using the internal microphone or audio-in (microphone) jack

The computer is equipped with an internal monaural microphone and a stereo (dual channel) microphone jack that supports a stereo array and monaural microphone. Using sound recording software with external microphones allows for stereo recordings and stereo playbacks.

When connecting a microphone to the microphone jack, use a microphone with a 3.5-mm plug.



When an external microphone is connected to the computer, the computer internal microphone is disabled.

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## Using the audio-out (headphone) jack



**WARNING:** To reduce the risk of personal injury, adjust the volume before putting on headphones, earbuds, or a headset.

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**CAUTION:** To prevent possible damage to an external device, do not plug a single sound channel (monaural) connector into the headphone jack.

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In addition to connecting headphones, the headphone jack is used to connect the audio input function of an audio/video device such as a television or VCR.

When connecting a device to the headphone jack:

- Use only a 3.5-mm stereo plug.
  - For best sound quality, use 24-ohm to 32-ohm headphones.
- 



When a device is connected to the headphone jack, the internal speaker is disabled.

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## Adjusting the volume

You can adjust the volume using the following controls:

■ Computer volume buttons:

- To mute or restore volume, press the volume mute button.
- To decrease the volume, press the volume down button.
- To increase the volume, press the volume up button.

■ Windows® volume control:

1. Click the **Volume** icon in the notification area, at the far right of the taskbar.
2. Increase or decrease the volume by moving the slider up or down. Click the **Mute** icon to mute the volume.

– or –

1. Right click the **Volume** icon in the notification area, and then click **Open Volume Mixer**.
2. In the Device column, increase or decrease the volume by moving the slider up or down. You can also mute the volume by clicking the **Mute** icon.

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

1. Right-click in the notification area, and then click **Properties**.
2. Click the **Notification Area** tab.
3. Under System icons, select the **Volume** check box.
4. Click **OK**.

■ Application volume control:

Volume can be adjusted within some applications.

## Using the video features

The computer includes the following video features:

- External monitor port that connects a television, monitor, or projector
- S-Video-out jack that connects a range of advanced video components

## Using the external monitor port

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

To connect a display device:

- » Connect the device cable to the external monitor port.



If a properly connected external display device does not display an image, press **fn+f4** to transfer the image to the device. You can switch between displays by pressing the Presentation button.

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## Using the S-Video-out jack

The 7-pin S-Video-out jack connects the computer to an optional S-Video device such as a television, VCR, camcorder, overhead projector, or video capture card. The S-Video-out jack features 3 extra pins that enable an optional S-Video-to-composite adapter to be used with the computer.

The computer can support one S-Video device connected to the S-Video-out jack, while simultaneously supporting an image on the computer display or on any other supported external display.

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To transmit video signals through the S-Video-out jack, you need an S-Video cable, available from most electronics retailers. If you are combining audio and video functions, such as playing a DVD movie on your computer using an optional external MultiBay device and displaying it on your television, you also need a standard audio cable, available from most electronics retailers, to connect to the headphone jack.

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To connect a video device to the S-Video-out jack:

1. Plug one end of the S-Video cable into the S-Video-out jack on the computer.



2. Plug the other end of the cable into the video device, as instructed in the documentation included with the device.
3. Press **fn+f4** to switch the image between display devices connected to the computer.



If the S-Video-out jack on the computer is not accessible because the computer is docked in an optional docking device, connect the S-Video device to the S-Video-out jack on the docking device.

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## Multimedia software

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To use optical discs (CDs and DVDs), you must use an optional external MultiBay with an optical drive.

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The computer includes preinstalled multimedia software. Some models may be shipped with additional multimedia software on an optical disc.

Depending on the hardware and software included with the computer, the following multimedia tasks may be supported:

- Playing digital media, including audio and video CDs, audio and video DVDs, and Internet radio
- Creating or copying data CDs
- Creating, editing, and burning audio CDs
- Creating, editing, and burning a video or movie to a DVD or video CD



For details about using software included with the computer, refer to the software user guides. These guides may be provided on CD or as online Help files within the specific application. User guides may also be found on the software manufacturer's Web site.

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## Identifying preinstalled multimedia software

To view and access the preinstalled multimedia software on the computer:

- » Select **Start > All Programs**.



You can also reinstall multimedia software on the computer. Select **Start > All Programs > Software Setup**.

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## Installing multimedia software from a CD (select models only)

To install multimedia software from a CD included with the computer:

1. Insert an appropriate optical drive into an optional external MultiBay device that is connected to the computer.
2. Connect the computer to AC power.
3. Close any open applications.
4. Insert the multimedia software CD into the optional external optical drive.
5. When the installation wizard opens, follow the installation instructions on the screen.
6. Restart the computer if prompted.

Repeat the installation procedure (steps 4 to 6) for all multimedia software on CD that you want to install.

## Using multimedia software

To use the multimedia software installed on the computer:

1. Select **Start > All Programs**, and then open the multimedia program you want to use. For example, if you want to use Windows Media Player to play an audio CD, select **Windows Media Player**.



Some programs may be located in subfolders.

2. Insert the media disc, such as an audio CD, into an optional external optical drive connected to the computer.
3. Follow the instructions on the screen.

– or –

1. Insert the media disc, such as an audio CD, into an optional external optical drive.

An AutoPlay dialog box opens.

2. Click a multimedia task from the list of tasks.

## Preventing playback disruptions

To reduce the possibility of playback disruption:

- Save your work and close all open applications before playing a CD or a DVD.
- Do not connect or disconnect hardware while playing a disc.

Do not initiate Hibernation or Sleep 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**:

- Playback may resume.

– or –

- Playback may stop and the screen may clear. To return to playing the CD or DVD, press the power button and then restart the disc.

## Protecting the CD or DVD write process



**CAUTION:** To prevent loss of information or damage to a disc:

- 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. Instead, copy from a source disc or network drive to your hard drive, and then copy 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.
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## 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.

If the region code on a DVD does not match the region setting on your drive, the following message is displayed when you insert the DVD: “Playback of content from this region is not permitted.” To play the DVD, you must change the region setting on your DVD drive. DVD region settings can be changed through the operating system or through some DVD players.



**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 allowable region changes remaining on the drive is displayed in the Changes remaining box on the DVD Region tab. The number in the box includes the fifth and permanent change.
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To change DVD settings through the operating system:

1. Select **Start > Computer > System properties**.
2. In the left pane, click **Device Manager**.



Windows includes the User Account Control feature to improve the security of your computer. You may be prompted for your permission or password for tasks such as installing applications, running utilities, or changing Windows settings. Refer to Windows online Help for more information.

3. Click the “+” sign next to DVD/CD-ROM drives.
4. Right-click the DVD drive for which you want to change region settings, and then click **Properties**.

5. Make the desired changes on the **DVD Region** tab.
6. 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.

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