

# External Devices

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User Guide

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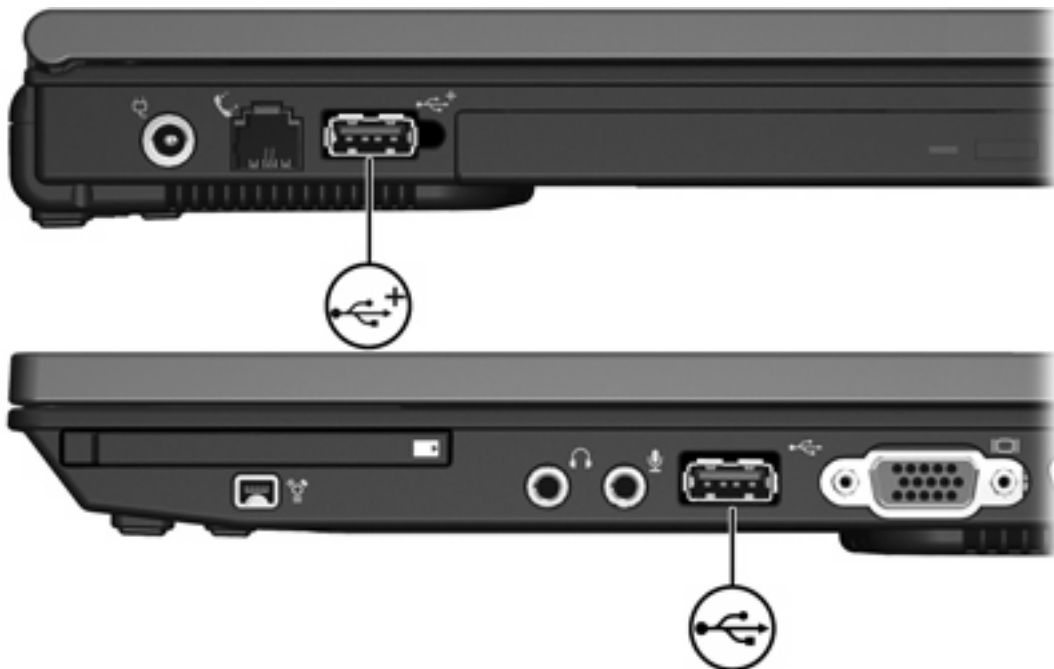
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# 1 Using a USB device

Universal Serial Bus (USB) is a hardware interface that can be used to connect an optional external device, such as a USB keyboard, mouse, drive, printer, scanner, or hub, to the computer or to an optional docking device. A hub provides additional USB ports for the system and can be connected to the computer or to another hub.


The computer has two USB ports. The USB port on the right side of the computer is a standard USB port. Depending on your computer model, the USB port on the left side of the computer is either a standard USB port or a powered USB port. A powered USB port provides power to an external device if used with a powered USB cable. An optional docking device provides additional USB ports that can be used with the computer. The USB ports on the computer support USB 1.0, USB 1.1, and USB 2.0 devices.




## Connecting a USB device

 **CAUTION** To prevent damage to a USB connector, use minimal force to connect a USB device.

To connect a USB device to the computer, connect the USB cable for the device to the USB port. You will hear a sound when the device has been detected.

 **NOTE** The first time you connect a USB device, the “Installing device driver software” message is displayed in the notification area, at the far right of the taskbar.


## Stopping a USB device

 **CAUTION** To prevent loss of information or an unresponsive system, stop the USB device before removing it.


**CAUTION** To prevent damage to a USB connector, do not pull on the cable to disconnect the USB device.

To stop a USB device:

1. Double-click the **Safely Remove Hardware** icon in the notification area, at the far right of the taskbar.

 **NOTE** To display the Safely Remove Hardware icon, click the **Show Hidden Icons** icon (< or <<) in the notification area.

2. Click the name of the device in the list.

 **NOTE** If the USB device is not listed, you do not have to stop the device before you remove it.

3. Click **Stop**, and then click **OK**.

## Required USB software

Some USB devices may require additional support software, which is usually included with the device. For more information about device-specific software, refer to the user guide for the device.

# USB legacy support

USB legacy support (enabled by default) allows you to

- Use a USB keyboard, mouse, or hub connected to a USB port on the computer during startup or in a non-Microsoft® Windows® application or utility.
- Start or restart from an optional external MultiBay.

USB legacy support is enabled at the factory. To disable or enable USB legacy support:

1. Open Computer Setup by turning on or restarting the computer, and then pressing **f10** while the “f10 = ROM Based Setup” message is displayed in the lower-left corner of the screen.
2. Use the arrow keys to select **System Configuration > Device configurations**, and then press **enter**.
3. Use the arrow keys to enable or disable USB legacy support, and then press **f10**.
4. To save your preferences and exit Computer Setup, use the arrow keys to select **File > Save changes and exit**. Then follow the instructions on the screen.

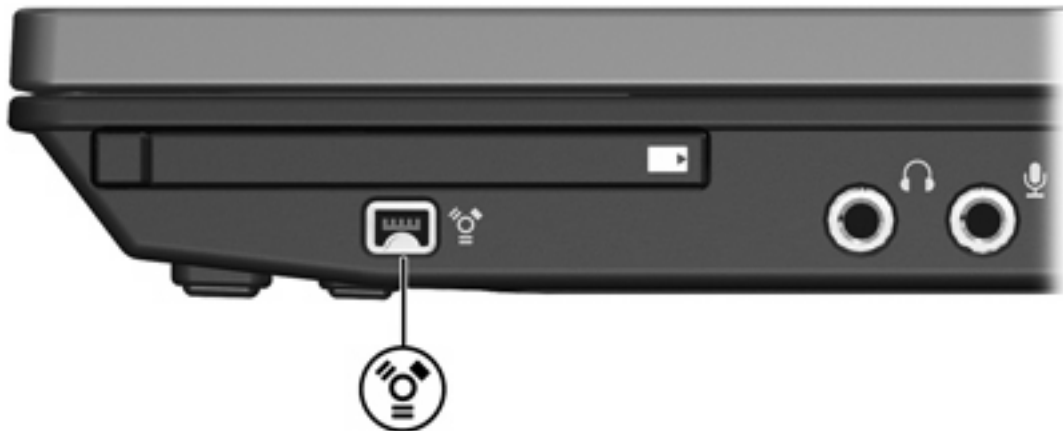
Your preferences go into effect when the computer restarts.

## 2 Using a 1394 device

IEEE 1394 is a hardware interface that can be used to connect a high-speed multimedia or data storage device to the computer. Scanners, digital cameras, and digital camcorders often require a 1394 connection.

Some 1394 devices may require additional support software, which is usually included with the device. For more information about device-specific software, refer to the user guide for the device.

The 1394 port, illustrated below, also supports IEEE 1394a devices.





## Connecting a 1394 device



**CAUTION** To prevent damage to a 1394 port connector, use minimal force to connect a 1394 device.

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To connect a 1394 device to the computer, connect the 1394 cable for the device to the 1394 port. You will hear a sound when the device has been detected.

## Stopping a 1394 device



**CAUTION** To prevent loss of information or an unresponsive system, stop the 1394 device before removing it.

**CAUTION** To prevent damage to a 1394 connector, do not pull on the cable to disconnect the 1394 device.

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1. Double-click the **Safely Remove Hardware** icon in the notification area, at the far right of the taskbar.



**NOTE** To display the Safely Remove Hardware icon, click the **Show Hidden Icons** icon (< or <<) in the notification area.

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2. Click the name of the device in the list.



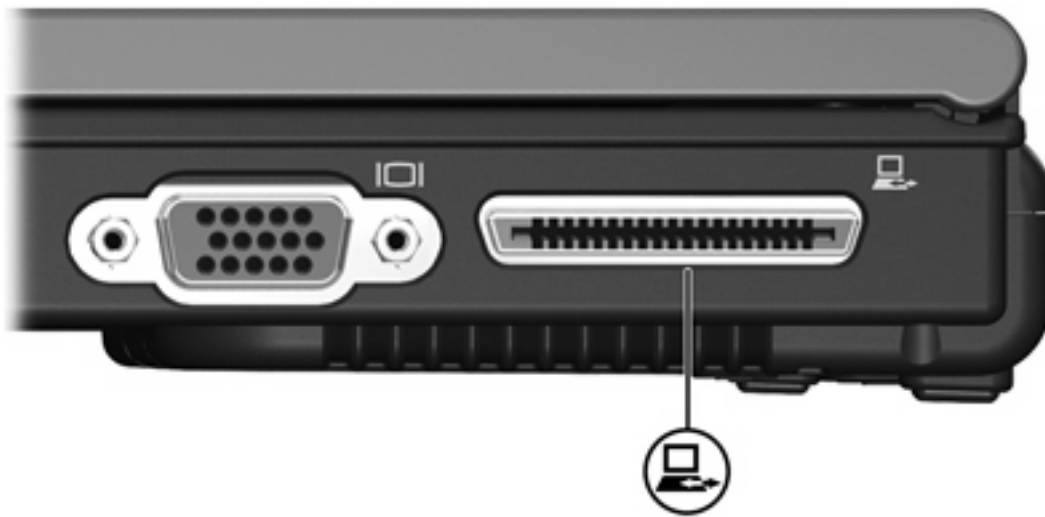
**NOTE** If the device is not displayed, you do not have to stop the device before you remove it.

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3. Click **Stop**, and then click **OK**.

## 3 Using the docking connector

The docking connector on the right side of the computer allows you to connect the computer to an optional docking device. An optional docking device provides additional ports and connectors that can be used with the computer.



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