

# TouchPad and Keyboard 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.



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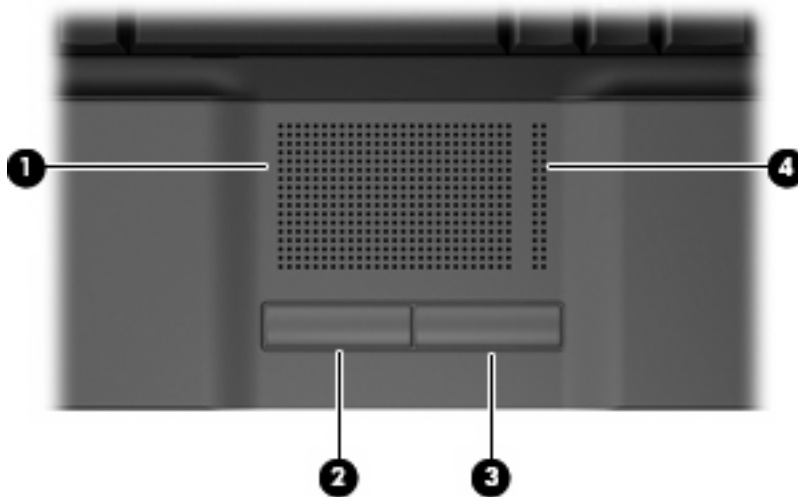
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# 1 Using the TouchPad


The following illustration and table describe the computer TouchPad.



Component	Description
(1) TouchPad*	Moves the pointer and selects or activates items on the screen.
(2) Left TouchPad button*	Functions like the left button on an external mouse.
(3) Right TouchPad button*	Functions like the right button on an external mouse.
(4) TouchPad scroll zone*	Scrolls up or down.

\*This table describes default settings. To view or change TouchPad preferences, select **Start > Control Panel > Hardware and Sound > Mouse**.

To move the pointer, slide your finger across the TouchPad surface in the direction you want the pointer to go. Use the TouchPad buttons like the corresponding buttons on an external mouse. To scroll up and down using the TouchPad vertical scroll zone, slide your finger up or down over the lines.

 **NOTE:** If you are using the TouchPad to move the pointer, you must lift your finger off the TouchPad before moving it to the scroll zone. Simply sliding your finger from the TouchPad to the scroll zone will not activate the scrolling function.

## Setting TouchPad preferences

To access Mouse Properties, select **Start > Control Panel > Hardware and Sound > Mouse**.

Use Mouse Properties in Windows® to customize settings for pointing devices, such as button configuration, click speed, and pointer options.

## Connecting an external mouse

You can connect an external USB mouse to the computer using one of the USB ports on the computer. An external mouse can also be connected to the system using the ports on an optional docking device.




## 2 Using the keyboard

### Using hotkeys

Hotkeys are combinations of the **fn** key (1) and either the **esc** key (2) or one of the function keys (3).

The icons on the **f1** through **f9** and **f11** and **f12** keys represent the hotkey functions. Hotkey functions and procedures are discussed in the following sections.

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



Function	Hotkey
Display system information.	<b>fn+esc</b>
Open Help and Support.	<b>fn+f1</b>
Open the Print Options window.	<b>fn+f2</b>
Open a Web browser.	<b>fn+f3</b>
Alternate between computer display and external display.	<b>fn+f4</b>
Initiate Sleep.	<b>fn+f5</b>
Initiate QuickLock.	<b>fn+f6</b>
Decrease screen brightness.	<b>fn+f7</b>
Increase screen brightness.	<b>fn+f8</b>
Mute speaker sound.	<b>fn+f9</b>

Function	Hotkey
Decrease speaker sound.	fn+f11
Increase speaker sound.	fn+f12

To use a hotkey command on the computer keyboard, follow either of these steps:

- Briefly press the **fn** key, and then briefly press the second key of the hotkey command.  
– or –
- Press and hold down the **fn** key, briefly press the second key of the hotkey command, and then release both keys at the same time.

## Displaying system information (fn+esc)

Press **fn+esc** to display information about system hardware components and the system BIOS version number.

In the Windows **fn+esc** display, the version of the system BIOS (basic input-output system) is displayed as the BIOS date. On some computer models, the BIOS date is displayed in decimal format. The BIOS date is sometimes called the system ROM version number.

## Opening Help and Support (fn+f1)

Press **fn+f1** to open Help and Support.

In addition to providing information about your Windows operating system, Help and Support provides the following information and tools:

- Information about your computer, such as model and serial number, installed software, hardware components, and specifications
- Answers to questions about using your computer
- Tutorials to help you learn to use the computer and Windows features
- Updates for the Windows operating system, drivers, and the software provided on your computer
- Checkups for computer functionality
- Automated and interactive troubleshooting, repair solutions, and system recovery procedures
- Links to support specialists

## Opening the Print Options window (fn+f2)

Press **fn+f2** to open the Print Options window of the active Windows application.

## Opening a Web browser (fn+f3)

Press **fn+f3** to open your Web browser.

Until you have set up your Internet or network services, the **fn+f3** hotkey opens the Windows Internet Connection Wizard.

After you have set up your Internet or network services and your Web browser home page, you can press **fn+f3** to quickly access your home page and the Internet.

## Switching the screen image (fn+f4)


Press **fn+f4** to switch the screen image among display devices connected to the system. For example, if a monitor is connected to the computer, pressing **fn+f4** alternates the screen image from computer display to monitor display to simultaneous display on both the computer and the monitor.

Most external monitors receive video information from the computer using the external VGA video standard. The **fn+f4** hotkey can also alternate images among other devices receiving video information from the computer.

The following video transmission types, with examples of devices that use them, are supported by the **fn+f4** hotkey:

- LCD (computer display)
- External VGA (most external monitors)
- S-Video (televisions, camcorders, VCRs, and video capture cards with S-Video-in jacks)
- Composite video (televisions, camcorders, VCRs, and video capture cards with composite-video-in jacks)

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 **NOTE:** Composite video devices can be connected to the system only by using an optional docking device.

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## Initiating Sleep (fn+f5)

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△ **CAUTION:** To reduce the risk of information loss, save your work before initiating Sleep.


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Press **fn+f5** to initiate Sleep.

When Sleep is initiated, your information is stored in system memory, the screen is cleared, and power is conserved. While the computer is in the Sleep state, the power light blinks.

The computer must be on before you can initiate Sleep.

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 **NOTE:** If a critical battery level occurs while the computer is in the Sleep state, the computer initiates Hibernation and the information stored in memory is saved to the hard drive. The factory setting for critical battery action is Hibernate, but this setting can be changed using Power Options in Windows Control Panel.

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To exit Sleep, briefly press the power button or press any key on the keyboard.

The function of the **fn+f5** hotkey can be changed. For example, you can set the **fn+f5** hotkey to initiate Hibernation instead of Sleep.

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 **NOTE:** In all Windows operating system windows, references to the *sleep button* apply to the **fn+f5** hotkey.


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## Initiating QuickLock (fn+f6)

Press **fn+f6** to initiate the QuickLock security feature.

QuickLock protects your information by displaying the operating system Log On window. While the Log On window is displayed, the computer cannot be accessed until a Windows user password or a Windows administrator password is entered.

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 **NOTE:** Before you can use QuickLock, you must set a Windows user password or a Windows administrator password. For instructions, refer to Help and Support.

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To use QuickLock, press **fn+f6** to display the Log On window and lock the computer. Then follow the instructions on the screen to enter your Windows user password or your Windows administrator password and access the computer.

## Decreasing screen brightness (fn+f7)

Press **fn+f7** to decrease screen brightness. Hold down the hotkey to decrease the brightness level incrementally.

## Increasing screen brightness (fn+f8)

Press **fn+f8** to increase screen brightness. Hold down the hotkey to increase the brightness level incrementally.

## Muting speaker sound (fn+f9)

Press **fn+f9** to mute speaker sound. Press the hotkey again to restore speaker sound.

## Decreasing speaker sound (fn+f11)

Press **fn+f11** to decrease speaker sound. Hold down the hotkey to decrease speaker sound incrementally.


## Increasing speaker sound (fn+f12)

Press **fn+f12** to increase speaker sound. Hold down the hotkey to increase speaker sound incrementally.

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## 3 Using HP Quick Launch buttons (select models only)

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 **NOTE:** Some of the preferences listed on the HP Quick Launch Buttons control panel may not be supported by the computer.

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The HP Quick Launch Buttons control panel manages the following settings:

- Programming the presentation button and the Info Center button, and preferences for each button
- Adding, modifying, and removing items on the Q Menu
- Tiling windows on the Windows desktop
- Displaying the HP Quick Launch Buttons icon
- Displaying HP Quick Launch Buttons desktop notifications
- Enabling or disabling automatic mode change
- Enabling or disabling quick switch
- Enabling or disabling the display-resolution change-detection feature

The following sections provide instructions for setting preferences within the control panel. For additional information about any item on the control panel, click the Help button in the upper-right corner of the window.

## Opening the HP Quick Launch Buttons control panel

You can open the HP Quick Launch Buttons control panel in any of the following ways:

- Select **Start > Control Panel > Hardware and Sound > Quick Launch Buttons**.
- Double-click the **HP Quick Launch Buttons** icon in the notification area, at the far right of the taskbar.
- Right-click the **HP Quick Launch Buttons** icon in the notification area, and select **Adjust HP Quick Launch Buttons Properties**.



## Setting other preferences

You can set other preferences in the Quick Launch Button control panel.

 **NOTE:** Some of the preferences listed on the Preferences tab may not be supported by the computer.

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To set a preference:

1. In the HP Quick Launch Buttons control panel, click the **Preferences** tab.
2. To display or enable a preference, select the check box next to the item.

– or –

To clear or disable a preference, clear the check box next to the item.


3. To save your preferences and close the control panel, click **Apply**, and then click **OK**.

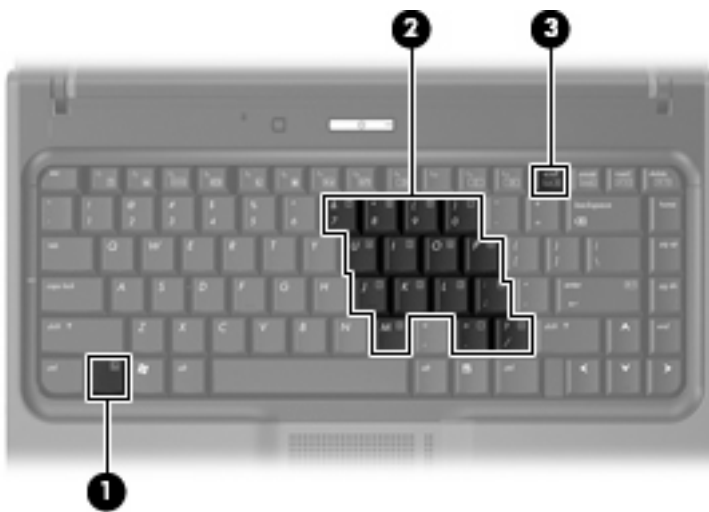
 **NOTE:** For information about any item on the Preferences tab, click the Help button in the upper-right corner of the window, and then click the item.

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## 4 Using the keypads

The computer has an embedded numeric keypad and also supports an optional external numeric keypad or an optional external keyboard that includes a numeric keypad.

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



Component	Description
(1) <code>fn</code> key	Executes frequently used system functions when pressed in combination with a function key or the <code>esc</code> key.
(2) Embedded numeric keypad	Can be used like the keys on an external numeric keypad.
(3) <code>num lock</code> key	Press with the <code>fn</code> key to enable the embedded numeric keypad.


# Using the embedded numeric keypad

The 15 keys of the embedded numeric keypad can be used like the keys on an external keypad. When the embedded numeric keypad is turned on, each key on the keypad performs the function indicated by the icon in the upper-right corner of the key.

## Enabling and disabling the embedded numeric keypad

Press **fn+num lock** to enable the embedded numeric keypad. The num lock light is turned on. Press **fn+num lock** again to return the keys to their standard keyboard functions.

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 **NOTE:** The embedded numeric keypad will not function while an external keyboard or numeric keypad is connected to the computer or to an optional docking device.

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## Switching key functions on the embedded numeric keypad

You can temporarily alternate the functions of keys on the embedded numeric keypad between their standard keyboard functions and their keypad functions by using the **fn** key or the **fn+shift** key combination.

- To change the function of a keypad key to keypad functions while the keypad is off, press and hold the **fn** key while pressing the keypad key.
- To use the keypad keys temporarily as standard keys while the keypad is on:
  - Press and hold the **fn** key to type in lowercase.
  - Press and hold **fn+shift** to type in uppercase.

## Using an external numeric keypad

Most keys on most external numeric keypads function differently according to whether num lock is on or off. (Num lock is turned off at the factory.) For example:

- When num lock is on, most keypad keys type numbers.
- When num lock is off, most keypad keys function like the arrow, page up, or page down keys.

When num lock on an external keypad is turned on, the num lock light on the computer is turned on. When num lock on an external keypad is turned off, the num lock light on the computer is turned off.

If an external keypad is connected, the embedded numeric keypad cannot be turned on.

To turn num lock on or off on an external keypad as you work:

- ▲ Press the **num lock** key on the external keypad, not on the computer.

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## 5 Cleaning the TouchPad and keyboard

Dirt and grease on the TouchPad can cause the pointer to jump around on the screen. To avoid this, clean the TouchPad with a damp cloth, and wash your hands frequently when using the computer.

⚠ **WARNING!** To reduce the risk of electric shock or damage to internal components, do not use a vacuum cleaner attachment to clean the keyboard. A vacuum cleaner can deposit household debris on the keyboard surface.

Clean the keyboard regularly to prevent keys from sticking and to remove dust, lint, and particles that can become trapped beneath the keys. A can of compressed air with a straw extension can be used to blow air around and under the keys to loosen and remove debris.



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