

# Computer Setup 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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# 1 Starting Computer Setup

Computer Setup is a preinstalled, ROM-based utility that can be used even when the operating system is not working or will not load.

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 **NOTE:** Some of the Computer Setup menu items listed in this guide may not be supported by your computer.

**NOTE:** Pointing devices are not supported in Computer Setup. You must use the keyboard to navigate and make selections.

**NOTE:** An external keyboard connected by USB can be used with Computer Setup only if USB legacy support is enabled.

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To start Computer Setup, follow these steps:

1. Turn on or restart the computer.
2. Before Windows® opens and while the “F10=ROM Based Setup” message is displayed in the lower-left corner of the screen, press [f10](#).

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# 2 Using Computer Setup

# Navigating and selecting in Computer Setup

The information and settings in Computer Setup are accessed from the File, Security, Diagnostics, and System Configuration menus.

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.

Because Computer Setup is not Windows-based, it does not support the TouchPad. Navigation and selection are by keystroke:

- To choose a menu or a menu item, use the arrow keys.
  - To select an item, press **enter**.
  - To close open dialog boxes and return to the main Computer Setup screen, press **esc**.
  - To view navigation information, press **f1**.
  - To change the language, press **f2**.
2. Select the **File**, **Security**, **Diagnostics** or **System Configuration** menu.
  3. To exit Computer Setup, choose one of the following methods:
    - To exit Computer Setup without saving your preferences, use the arrow keys to select **File > Ignore changes and exit**. Then follow the instructions on the screen.
    - 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.


# Restoring factory settings in Computer Setup

To return all settings in Computer Setup to the values that were set at the factory, follow these steps:

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 **File > Restore defaults** and then press **enter**.
3. When the confirmation dialog box opens, 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.

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 **NOTE:** Your password settings and security settings are not changed when you restore the factory settings.

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## 3 Computer Setup menus

The menu tables in this section provide an overview of Computer Setup options.


 **NOTE:** Some of the Computer Setup menu items listed in this chapter may not be supported by your computer.

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# File menu

Select	To do this
System information	<ul style="list-style-type: none"><li>• View identification information for the computer and the batteries in the system.</li><li>• View specification information for the processor, cache and memory size, system ROM, video revision, and keyboard controller version.</li></ul>
Restore defaults	Replace the configuration settings in Computer Setup with the original factory settings. (Password settings and security settings are not changed when you restore the factory settings.)
Ignore changes and exit	Cancel any changes entered during the current session. Then exit and restart the computer.
Save changes and exit	Save any changes entered during the current session. Then exit and restart the computer. Your changes go into effect when the computer restarts.

# Security menu


 **NOTE:** Some of the menu items listed in this section may not be supported by your computer.

Select	To do this
Setup Password	Enter, change, or delete a setup password.
Power-On Password	Enter, change, or delete a power-on password.
Password Options	<ul style="list-style-type: none"><li>• Enable/disable stringent security.</li><li>• Enable/disable the password requirement on computer restart.</li></ul>
DriveLock Passwords	<ul style="list-style-type: none"><li>• Enable/disable DriveLock on any computer hard drive.</li><li>• Change a DriveLock user password or master password.</li></ul> <p><b>NOTE:</b> DriveLock settings are accessible only when you enter Computer Setup by turning on (not restarting) the computer.</p>
System IDs	Enter a user-defined computer asset tracking number and ownership tag.
Disk Sanitizer	Run Disk Sanitizer to destroy all existing data on the primary hard drive. The following options are available: <ul style="list-style-type: none"><li>• Fast: Runs the Disk Sanitizer erase cycle once.</li><li>• Optimum: Runs the Disk Sanitizer erase cycle 3 times.</li><li>• Custom: Allows you to select the desired number of Disk Sanitizer erase cycles from a list.</li><li>• Last status: Provides information about the last time Disk Sanitizer ran on the computer.</li></ul> <p><b>CAUTION:</b> If you run Disk Sanitizer, the data on the primary hard drive is destroyed permanently.</p>

## Diagnostics menu

Select	To do this
HDD Self-Test Options	Run a comprehensive self-test on any hard drive in the system.
Memory Check	Run a comprehensive test on system memory.
Startup check	Verify the system components needed for starting the computer.

# System Configuration menu

 **NOTE:** Some of the listed System Configuration options may not be supported by your computer.

Select	To do this
Language (or press <b>f2</b> )	Change the Computer Setup language.
Boot Options	<ul style="list-style-type: none"><li>• Set an <b>f9</b>, <b>f10</b>, and <b>f12</b> delay when starting up.</li><li>• Enable/disable CD-ROM boot.</li><li>• Enable/disable floppy boot.</li><li>• Enable/disable internal network adapter boot and set the boot mode (PXE).</li><li>• Enable/disable MultiBoot, which sets a boot order that can include most boot devices in the system.</li><li>• Set the Express Boot Popup delay in seconds.</li><li>• Set the boot order.</li></ul>
Device Configurations	<ul style="list-style-type: none"><li>• Swap the functions of the <b>fn</b> key and left <b>ctrl</b> key.</li><li>• Enable/disable USB legacy support. When enabled, USB legacy support allows the following:<ul style="list-style-type: none"><li>◦ Use of a USB keyboard in Computer Setup even when a Windows operating system is not running.</li><li>◦ Startup from bootable USB devices, including a hard drive, diskette drive, or optical drive connected by a USB port to the computer.</li></ul></li><li>• Enable/disable BIOS DMA data transfers.</li><li>• Enable/disable fan always on while connected to an AC outlet.</li><li>• Enable/disable Data Execution Prevention. When enabled, the processor can disable some virus code execution, which helps to improve computer security.</li><li>• Enable/disable SATA Native Mode.</li><li>• Enable/disable Dual Core CPU.</li><li>• Choose Bit-shift or LBA-assisted HDD Translation Mode.</li><li>• Enable/disable Virtualization Technology.</li></ul>
Built-In Device Options	<ul style="list-style-type: none"><li>• Enable/disable embedded WLAN Device Radio.</li><li>• Enable/disable Wake on LAN.</li><li>• Enable/disable the optical disc drive.</li></ul>
Port Options	<ul style="list-style-type: none"><li>• Enable/disable the USB port.</li><li>• Enable/disable the ExpressCard slot.</li></ul>

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