

Congratulations, you and your MacBook Air  
were made for each other.

# Say hello to your MacBook Air.

[www.apple.com/macbookair](http://www.apple.com/macbookair)



## Built-in iSight camera and iChat

Video chat with friends and family anywhere in the world.

Mac Help

 **iSight**



## Finder

Browse your files like you browse your music with Cover Flow.

Mac Help

 **finder**



## Multi-Touch trackpad

Scroll through files, adjust images, and enlarge text using just your fingers.

Mac Help

 **trackpad**



Scroll



Swipe



Rotate



Four fingers  
swipe



Pinch and  
expand

# Mac OS X Snow Leopard

[www.apple.com/macosex](http://www.apple.com/macosex)



## Time Machine

Automatically back up and restore your files.

Mac Help

 time machine



## Quick Look

Instantly preview your files.

Mac Help

 quick look



## Spotlight

Find anything on your Mac.

Mac Help

 spotlight



## Safari

Experience the web with the fastest browser in the world.

Mac Help

 safari

## iLife

[www.apple.com/ilife](http://www.apple.com/ilife)



## iPhoto

Organize and search your photos by faces, places, or events.

iPhoto Help

 photos



## iMovie

Make a great-looking movie in minutes or edit your masterpiece.

iMovie Help

 movie



## GarageBand

Learn to play. Start a jam session. Record and mix your own song.

GarageBand Help

 record



## iWeb

Create custom websites and publish them anywhere with a click.

iWeb Help

 website



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# 1

Ready, Set Up, Go

[www.apple.com/macbookair](https://www.apple.com/macbookair)

Mac Help  Migration Assistant

## Welcome

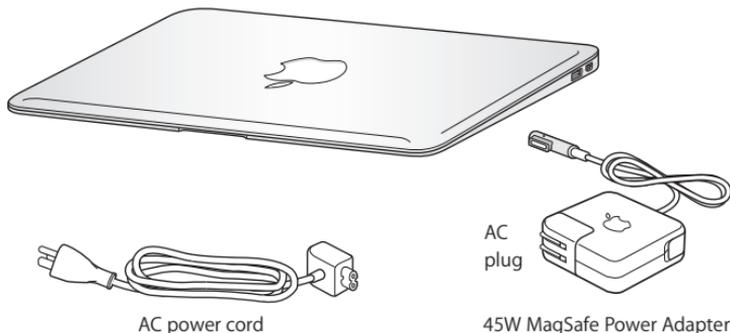
Congratulations on purchasing a MacBook Air. Your MacBook Air is streamlined for portability and a completely wireless experience. Read this chapter for help getting started setting up and using your MacBook Air.

- If you know you won't be migrating information from another Mac, and you'd like to get started using your MacBook Air right away, you can follow the Setup Assistant to set up your MacBook Air quickly.
- If you want to migrate information from another Mac or get content from DVDs or CDs onto your MacBook Air you can set up one or more Mac or Windows computers to partner with your MacBook Air. Then follow the Setup Assistant and use DVD or CD Sharing to use your MacBook Air to get the information from the other computer.

**Important:** Read all the installation instructions (and the safety information starting on page 52) carefully before you first use your computer.

Many answers to questions can be found on your computer in Mac Help. For information about getting Mac Help, see "Getting Answers" on page 35. Apple may release new versions and updates to its system software, so the images shown in this book may be slightly different from what you see onscreen.

## What's in the Box



**Important:** Remove the protective film covering the 45W MagSafe Power Adapter before setting up your MacBook Air.

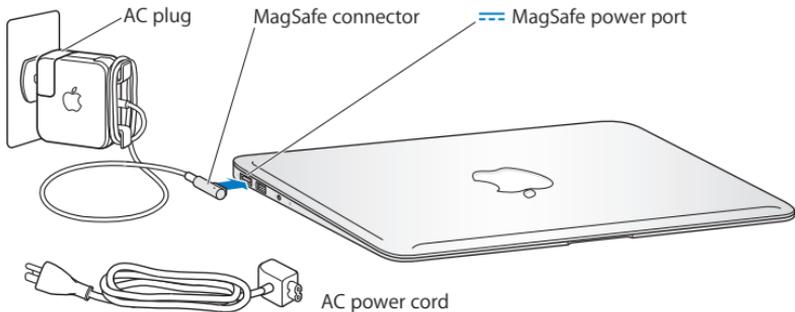
## Setting Up Your MacBook Air

Your MacBook Air is designed so that you can set it up quickly and start using it right away. The following pages take you through the setup process, including these tasks:

- Plugging in the 45W MagSafe Power Adapter
- Turning on your MacBook Air
- Using Setup Assistant to access a network and configure a user account and other settings
- Setting up the Mac OS X desktop and preferences

**Step 1: Plug in the 45W MagSafe Power Adapter to provide power to the MacBook Air and charge the battery.**

Make sure the AC plug is fully inserted into the power adapter and the electrical prongs on your AC plug are in their completely extended position. Insert the AC plug of your power adapter into a power outlet and the MagSafe connector into the MagSafe power port. As the MagSafe connector gets close to the port, you'll feel a magnetic pull drawing it in.



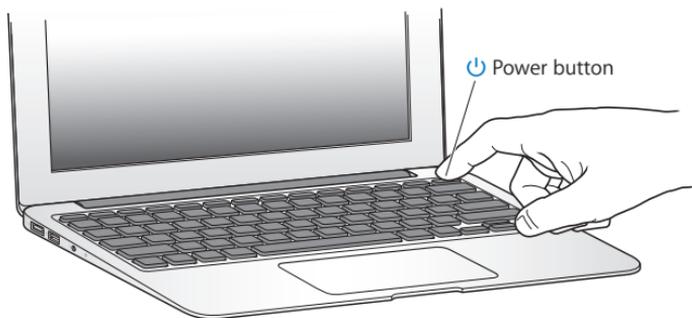
To extend the reach of your power adapter, replace the AC plug with the AC power cord. First pull the AC plug up to remove it from the adapter, and then attach the included AC power cord to the adapter, making sure it is seated firmly. Plug the other end into a power outlet.

When disconnecting the power adapter from an outlet or from the computer, pull the plug, not the cord.

When you connect the power adapter to your MacBook Air, an indicator light on the MagSafe connector starts to glow. An amber light indicates that the battery is charging. A green light indicates that the battery is fully charged. If you don't see a light, make sure the connector is seated properly and the power adapter is plugged into a working power outlet.

**Step 2: Press the power (⏻) button briefly to turn on your MacBook Air.**

The power button is located in the upper right corner of your keyboard. When you turn on the computer, you'll hear a tone.



It takes the computer a few moments to start up. After it starts up, Setup Assistant opens automatically.

If your computer doesn't turn on, see "If your MacBook Air doesn't turn on or start up" on page 42.

### Step 3: Configure your MacBook Air with Setup Assistant.

The first time you turn on your MacBook Air, Setup Assistant starts. Setup Assistant helps you enter your Internet information and set up a user account on your MacBook Air. You can also migrate information from another Mac during setup.

**Note:** If you don't use Setup Assistant to transfer information when you first start up your MacBook Air, you can do it later using Migration Assistant. Go to the Applications folder, open Utilities, and double-click Migration Assistant.

#### To set up your MacBook Air:

- 1 In the Setup Assistant, follow the onscreen instructions until you get to the "Do You Already Own a Mac?" screen.
- 2 Do a basic setup or a setup with migration:
  - To do a basic setup, select "Do not transfer my information now" and click Continue. Follow the remaining prompts to select your wireless network, set up an account, and exit Setup Assistant.
  - To do a setup with migration, select the Mac you want to migrate information from. You may have to update software if the other Mac doesn't have Mac OS X version 10.5.3 or later installed. Then go to page 15, "Migrating Information to Your MacBook Air."

**Note:** After you start Setup Assistant on your MacBook Air, you can leave it midprocess without quitting, move to the other computer if you need to update its software, and then return to your MacBook Air to complete the setup.

#### Step 4: Customize the Mac OS X desktop and set preferences.

You can quickly make the desktop look the way you want using System Preferences. Choose Apple () > System Preferences from the menu bar or click the System Preferences icon in the Dock. System Preferences is your command center for most settings on your MacBook Air.

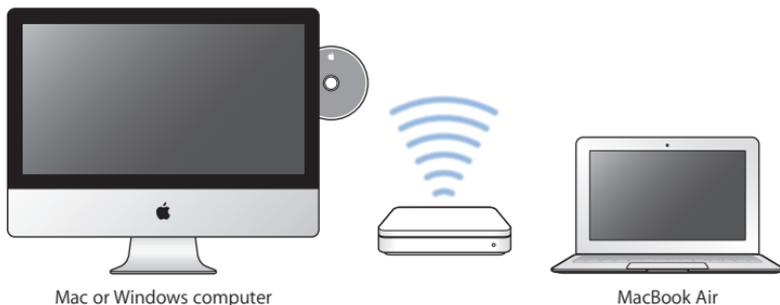


## Setting Up DVD or CD Sharing

You can partner your MacBook Air with another Mac or Windows computer that has an optical disc drive and is on the same wired or wireless network. Use this other computer to:

- Migrate information to your MacBook Air, if the other computer is a Mac (see “Migrating Information to Your MacBook Air” on page 15)
- Share the contents of DVDs or CDs or install applications (see “Sharing Discs with DVD or CD Sharing” on page 18)

The computer with the optical drive can be a Mac with Mac OS X v10.4.11 or later, or a Windows XP or Windows Vista computer. If the Mac has Mac OS X v10.5.3 or later, DVD or CD Sharing is already installed. You can partner with more than one other computer, but you can use only one partner computer at a time.



If the other computer is a Windows computer or a Mac with a Mac OS X version earlier than 10.5.3, download the DVD or CD Sharing Setup software for your partner computer:

- If the other computer is a Windows computer, go to: [http://support.apple.com/downloads/DVD\\_or\\_CD\\_Sharing\\_Update\\_1\\_0\\_for\\_Windows](http://support.apple.com/downloads/DVD_or_CD_Sharing_Update_1_0_for_Windows)
- If the other computer is a Mac with Mac OS X v10.4.10-10.5.2, go to: <http://support.apple.com/kb/DL113>

**Important:** After you install the DVD or CD Sharing Setup package on your other Mac, make sure you have the latest software by choosing Apple (🍏) > Software Update. Install any available Mac OS X updates.

## Migrating Information to Your MacBook Air

You can migrate existing user accounts, files, applications, and other information from another Mac computer.

**To migrate information to your MacBook Air:**

- 1 Configure the other Mac (see page 14), and then make sure that it is turned on and that it is on the same wired or wireless network as your MacBook Air.  
Check the AirPort (📶) status icon in the menu bar at the top of the other Mac screen to see what wireless network you're connected to. Choose the same network for your MacBook Air during setup.
- 2 On your MacBook Air, follow the Setup Assistant onscreen instructions until you get to the "Do You Already Own a Mac?" screen. Select "from another Mac" as the source of the information you want to transfer. On the next screen, choose your wireless network, and then click Continue.

- 3 When you see the Connect To Your Other Mac screen with a passcode displayed, do the remaining steps on the other Mac. You will enter the passcode in Migration Assistant on the other Mac.



>>>REVIEWERS: Waiting for updated screenshot with no DVD mention

- 4 On the other Mac, open Migration Assistant (located in /Applications/Utilities/), and then click Continue.
- 5 When you are prompted for a migration method, select “To another Mac,” and then click Continue.
- 6 On the other Mac, quit any other open applications and then click Continue.

- 7 On the other Mac, enter the six-digit passcode displayed in Setup Assistant on your new MacBook Air .



You can choose the items (user accounts, documents, movies, music, photos, and so on) that you want to migrate to your MacBook Air.

- 8 Click Continue to start the migration.

**Important:** Don't use the other Mac for anything else until the migration is complete. If the connection is terminated during migration, you can resume the migration at a later time using Migration Assistant on your MacBook Air and your other Mac.

## Getting Additional Information onto Your MacBook Air

Your MacBook Air comes with several applications installed, including the iLife suite. Many other applications can be downloaded from the Internet. If you want to install third-party applications from a DVD or CD, you can:

- Install applications onto your MacBook Air or share information using the optical disc drive on another Mac or Windows computer (if DVD or CD Sharing is set up and enabled). Read the next section for more information.
- Attach the Apple USB SuperDrive (an external USB optical disc drive available separately at [www.apple.com/store](http://www.apple.com/store)) to the USB port on your MacBook Air, and insert your installation disc.

## Sharing Discs with DVD or CD Sharing

You can enable DVD or CD Sharing on a Mac or Windows computer to use the Remote Disc feature of MacBook Air. Remote Disc allows you to share the discs you insert into the optical disc drive of the other computer. Some discs, such as DVD movies and game discs, may be copy-protected and therefore unusable through DVD or CD Sharing.

Make sure DVD or CD Sharing is already set up on any Mac or Windows computer you want to partner with. See page 14 for information.

**To enable DVD or CD Sharing, if your other computer is a Mac:**

- 1 Make sure the other Mac and your MacBook Air are on the same wireless network.

Check the AirPort (📶) status icon in the menu bar to see what network you're connected to.

On the other Mac, choose Apple (🍏) > System Preferences and then open Sharing.

- 2 In the Sharing panel, select “DVD or CD Sharing” in the Service list. If you want other users to request permission to share a DVD or CD, select “Ask me before allowing others to use my DVD drive.”

**To enable DVD or CD Sharing, if your other computer is a Windows computer:**

- 1 Make sure your MacBook Air and the Windows computer are on the same wireless network.
- 2 On the Windows computer, open the DVD or CD Sharing control panel.
- 3 Select “Enable Remote DVD or CD.” If you want other users to request permission to share a DVD or CD, select “Ask me before allowing others to use my DVD drive.”

**To use a shared DVD or CD:**

- 1 On the other computer, insert a DVD or CD into the optical disc drive.
- 2 On your MacBook Air, select the Remote Disc when it appears under Devices in the Finder sidebar. If you see the “Ask to use” button, click it.
- 3 On the other computer, when prompted, click Accept to allow your MacBook Air to use the DVD or CD.
- 4 On your MacBook Air use the disc as you normally would once it becomes available.

If you try to shut down the other computer or eject the shared DVD or CD while your MacBook Air is using it, you’ll see a message telling you that the disc is in use. To proceed, click Continue.

## Putting Your MacBook Air to Sleep or Shutting It Down

When you finish working with your MacBook Air, you can put it to sleep or shut it down.

### Putting Your MacBook Air to Sleep

If you'll be away from your MacBook Air for only a short time, put it to sleep. When the computer is in sleep, you can quickly wake it and bypass the startup process.

**To put your MacBook Air to sleep, do one of the following:**

- Close the display.
- Choose Apple () > Sleep from the menu bar.
- Press the power (⏻) button and click Sleep in the dialog that appears.
- Choose Apple () > System Preferences, click Energy Saver, and set a sleep timer.

**To wake your MacBook Air:**

- *If the display is closed*, simply open it to wake your MacBook Air.
- *If the display is already open*, press the power (⏻) button or any key on the keyboard.

When your MacBook Air wakes from sleep, your applications, documents, and computer settings are exactly as you left them.

## Shutting Down Your MacBook Air

If you aren't going to use your MacBook Air for a day or two, it's best to shut it down.

**To shut down your MacBook Air, do one of the following:**

- Choose Apple () > Shut Down from the menu bar.
- Press the power (⏻) button and click Shut Down in the dialog that appears.

If you plan to store your MacBook Air for an extended period of time, see "Important Handling Information" on page 55 for information about how to prevent your battery from draining completely.

>>>SW REVIEWERS: Should we change this language "If you aren't going to use your MacBook Air for a day or two..." to a longer period of time, given the deep sleep feature?



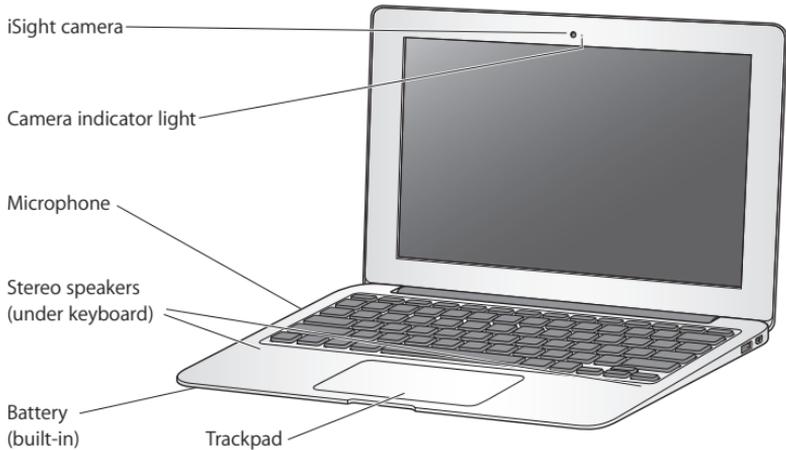
# 2

## Life with Your MacBook Air

[www.apple.com/macosex](http://www.apple.com/macosex)

Mac Help  Mac OS X

## Basic Features of Your MacBook Air



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**Built-in iSight camera and camera indicator light**

Videoconference with others using iChat, take pictures with Photo Booth, or capture video with iMovie. The indicator light glows when the iSight camera is operating.

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**Built-in microphone**

Capture sounds with the microphone (located on the left side, next to the headphone jack) or talk with friends live over broadband using the included iChat application.

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**Built-in stereo speakers**

Listen to music, movies, games, and multimedia files.

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**Built-in rechargeable battery**

Use battery power when you're away from a power outlet.

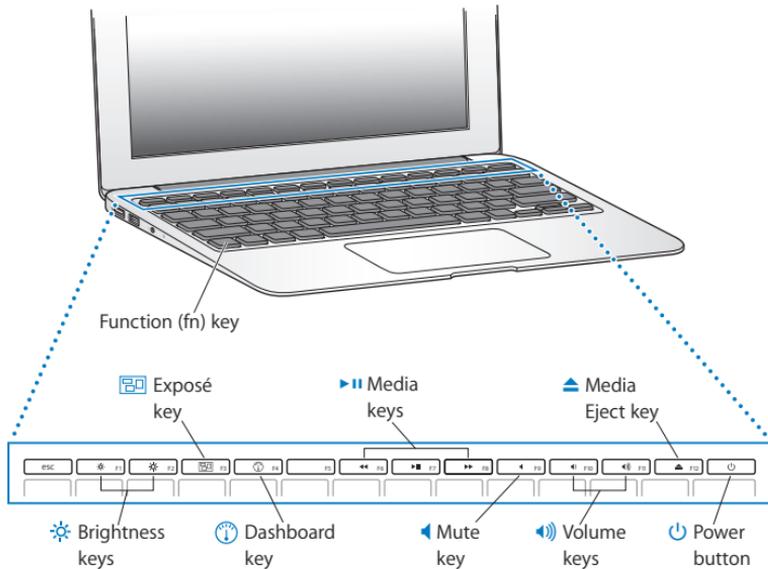
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**Trackpad**

Click or double-click anywhere on the trackpad. Touch the trackpad with one or more fingers to move the pointer and use Multi-Touch gestures (described on page 30).

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## Keyboard Features of Your MacBook Air



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**Function (fn) key**

Press and hold this key to activate customized actions assigned to the function keys (F1 to F12). To learn how to customize function keys, choose Help > Mac Help from the menu bar and search for “function keys.”

**Brightness keys (F1, F2)**

Increase (☀) or decrease (☁) the brightness of the screen.

**Exposé key (F3)**

Open Exposé for quick access to all your open windows.

**Dashboard key (F4)**

Open Dashboard to access your widgets.

**Media keys (F7, F8, F9)**

Rewind (⏮), play or pause (⏮||), or fast-forward (⏭) a song, movie, or slideshow.

**Mute key (F10)**

Mute the sound coming from the built-in speakers and audio out port.

**Volume keys (F11, F12)**

Increase (🔊) or decrease (🔇) the volume of sound coming from the built-in speakers or audio out port.

**Media Eject key**

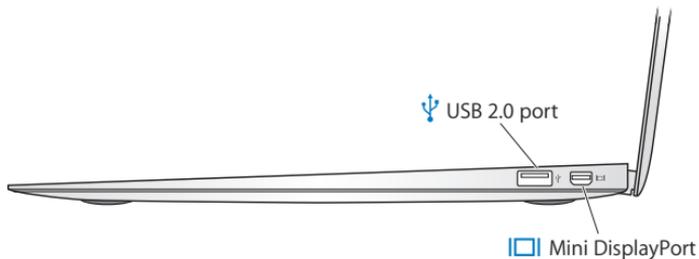
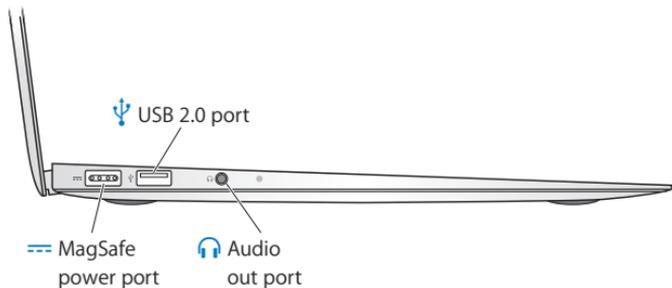
Press and hold this key to eject a disc from a MacBook Air Superdrive (available separately). You can also eject a disc by dragging its icon from the desktop to the Trash.

**Power button**

Turn your MacBook Air on or off, or put it to sleep.

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## Ports on Your MacBook Air



**MagSafe power port**

Plug in the included 45W MagSafe Power Adapter to recharge the MacBook Air battery.

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**USB (Universal Serial Bus) 2.0 ports**

Connect a MacBook Air SuperDrive, USB to Ethernet adapter, iPod, iPhone, iPad, mouse, keyboard, printer, disk drive, digital camera, joystick, modem, and more to your MacBook Air.

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**Audio out port**

Connect external speakers, headphones (including iPhone), or digital audio equipment.

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**Mini DisplayPort (video out)**

Connect to an external display or projection system that uses a DVI, Dual-Link DVI, or VGA connector. You can purchase adapters for supported video formats.

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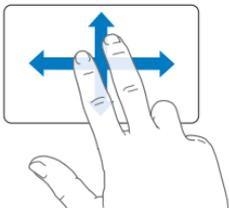
**Note:** Adapters and other accessories are sold separately at [www.apple.com/store](http://www.apple.com/store) or your local Apple Retail Store.

## Using the Multi-Touch Trackpad

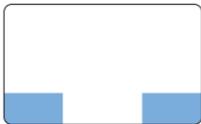
Use the trackpad to move the pointer and to perform a variety of Multi-Touch gestures. Unlike typical trackpads, the entire MacBook Air trackpad is a button, and you can click anywhere on the trackpad. To enable Multi-Touch gestures, view instructional videos of the gestures, and set other trackpad options, choose Apple (🍏) > System Preferences, and then click Trackpad.

Here are way to use your MacBook Air trackpad:

- *Two-finger scrolling* lets you drag to scroll quickly up, down, or sideways in the active window. This option is on by default.

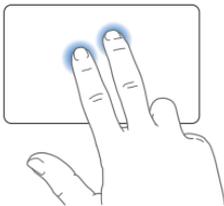


- *Secondary clicking* or “*right-clicking*” lets you access shortcut menu commands.
  - To set up a one-finger secondary-click zone in the bottom left or right corner of the trackpad, select *Secondary Click* under the *One Finger* option in Trackpad preferences.



Secondary click zone

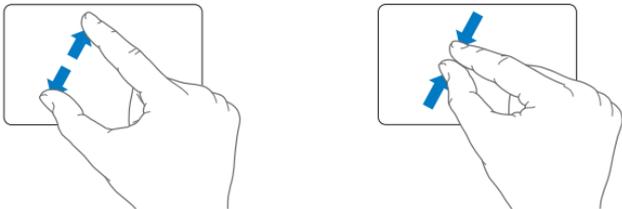
- To set up two-finger secondary clicking anywhere on the trackpad, select *Secondary Click* under the *Two Fingers* option in Trackpad preferences.



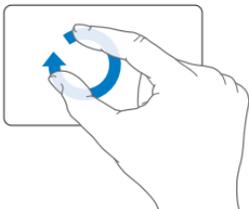
**Note:** You can also secondary click by holding down the Control key while you click.

The following trackpad gestures work in certain applications. When you perform these gestures, slide your fingers lightly on the surface of the trackpad. For more information, see Trackpad preferences or choose Help > Mac Help and search for “trackpad.”

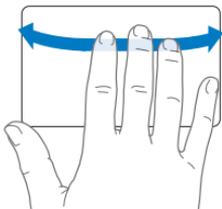
- *Two-finger pinching* lets you zoom in or out on PDFs, images, photos, and more.



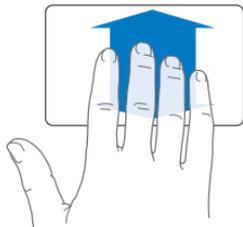
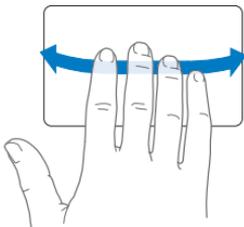
- *Two-finger rotating* lets you rotate photos, pages, and more.



- *Three-finger swiping* lets you rapidly page through documents, move to the previous or next photo, and more.



- *Four-finger swiping* works in the Finder and all applications. Swiping four fingers to the left or right activates Application Switcher so you can cycle through open applications. Swiping four fingers up or down causes Exposé to show the desktop or display all open windows.



To enable or disable any of the gestures, choose Apple (🍏) > System Preferences, and then click Trackpad. Click the checkboxes to turn the gestures on or off.

## Running Your MacBook Air on Battery Power

When the MagSafe Power Adapter isn't connected, your MacBook Air draws power from its built-in rechargeable battery. The length of time that you can run your MacBook Air varies, depending on the applications you use and the external devices connected to your MacBook Air.

Turning off features such as AirPort Extreme or Bluetooth® wireless technology and reducing screen brightness can help conserve battery charge—for example, when you're traveling by air. Many of your system preferences are automatically set to optimize battery life.

## Charging the Battery

You can determine whether the battery needs charging by looking at the indicator light on the MagSafe connector. If the light is glowing amber, the battery needs to be charged. If the light is glowing green, the battery is fully charged.

You can also check the amount of battery charge left by viewing the Battery () status icon in the menu bar. The battery charge level displayed is based on the amount of power left in the battery with the applications, peripheral devices, and system settings you are currently using. To conserve battery power, close applications and disconnect peripheral devices not in use, and adjust your Energy Saver settings. For more information about battery conservation and performance tips, go to [www.apple.com/batteries/notebooks.html](http://www.apple.com/batteries/notebooks.html).

When the power adapter that came with your MacBook Air is connected, the battery recharges whether the computer is on, off, or in sleep. The battery recharges more quickly, however, when the computer is off or in sleep.

The battery in your MacBook Air can be replaced only by an Apple Authorized Service Provider or at an Apple Retail Store.

## Getting Answers

Much more information about using your MacBook Air is available in Mac Help and on the Internet at [www.apple.com/support/macbookair](http://www.apple.com/support/macbookair).

### To get Mac Help:

- 1 Click the Finder icon in the Dock (the bar of icons along the edge of the screen).



- 2 Click the Help menu in the menu bar and do one of the following:
  - a Type a question or term in the Search field, and select a topic from the returned list or select Show All Results to see all topics.
  - b Choose Mac Help to open the Mac Help window, where you can click links or type a search question.

## More Information

For more information about using your MacBook Air, see the following:

To learn about	See
Troubleshooting your MacBook Air if you have a problem	Chapter 3, “Problem, Meet Solution” on page 39.
Finding service and support for your MacBook Air	“Learning More, Service, and Support” on page 47. Or go to the Apple Support website at <a href="http://www.apple.com/support/macbookair">www.apple.com/support/macbookair</a> .
Using Mac OS	The Mac OS X website at <a href="http://www.apple.com/macosx">www.apple.com/macosx</a> . Or search for “Mac OS X” in Mac Help.
Moving from a PC to a Mac	“Why You’ll Love a Mac” at <a href="http://www.apple.com/getamac/whyamac">www.apple.com/getamac/whyamac</a> .
Using iLife applications	The iLife website at <a href="http://www.apple.com/ilife">www.apple.com/ilife</a> . Or open an iLife application, open Help for the application, and then type a question in the search field.
Changing System Preferences	System Preferences by choosing Apple () > System Preferences. Or search for “system preferences” in Mac Help.
Using the trackpad	Open System Preferences, and then click Trackpad.
Using the keyboard	Mac Help and search for “keyboard.”
Using the iSight camera	Mac Help and search for “iSight.”
Using AirPort Extreme wireless technology	The AirPort Support page at <a href="http://www.apple.com/support/airport">www.apple.com/support/airport</a> .

To learn about	See
Using Bluetooth wireless technology	The Bluetooth Support page at <a href="http://www.apple.com/support/bluetooth">www.apple.com/support/bluetooth</a> . Or open the Bluetooth File Exchange application, located in the Utilities folder within the Applications folder, and choose Help > Bluetooth Help.
Caring for the battery	Mac Help and search for “battery.”
Connecting a printer	Mac Help and search for “printing.”
USB connections	Mac Help and search for “USB.”
Connecting to the Internet	Mac Help and search for “Internet.”
Connecting an external display	Mac Help and search for “display port.”
Specifications	The Specifications page at <a href="http://support.apple.com/specs">support.apple.com/specs</a> . Or open System Profiler by choosing Apple () > About This Mac from the menu bar, and then click More Info.
Apple news, free downloads, and online catalogs of software and hardware	The Apple website at <a href="http://www.apple.com">www.apple.com</a> .
Instructions, technical support, and manuals for Apple products	The Apple Support website at <a href="http://www.apple.com/support">www.apple.com/support</a> .



# 3

## Problem, Meet Solution

[www.apple.com/support](https://www.apple.com/support)

Mac Help  help

Occasionally you may have problems while working with your MacBook Air. Read on for troubleshooting tips to try when you have a problem. You can also find more troubleshooting information in Mac Help and on the MacBook Air Support website at [www.apple.com/support/macbookair](http://www.apple.com/support/macbookair).

If you experience a problem with your MacBook Air, there's usually a simple and quick solution. Think about the conditions that led up to the problem. Making a note of things you did before the problem occurred will help you narrow down possible causes and find the answers you need. Things to note include:

- The applications you were using when the problem occurred. Problems that occur only with a specific application might indicate that the application is not compatible with the version of the Mac OS installed on your computer.
- Any new software that you installed, especially software that added items to the System folder.

## Problems That Prevent You from Using Your MacBook Air

### If your MacBook Air doesn't respond or the pointer doesn't move

On rare occasions, an application might “freeze” on the screen. Mac OS X provides a way to quit a frozen application without restarting your computer.

#### To force an application to quit:

- 1 Press Command (⌘)-Option-Esc or choose Apple () > Force Quit from the menu bar. The Force Quit Applications dialog appears with the application selected.
- 2 Click Force Quit.  
The application quits, leaving all other applications open.

If you need to, you can also relaunch the Finder from this dialog.

Next, save your work in any open applications and restart the computer to make sure the problem is entirely cleared up.

If the problem occurs frequently, choose Help > Mac Help from the menu bar at the top of the screen. Search for the word “freeze” to get help for instances when the computer freezes or doesn’t respond.

If the problem occurs only when you use a particular application, check with the application’s manufacturer to see if it is compatible with your computer. To get support and contact information for the software that came with your MacBook Air go to [www.apple.com/guide](http://www.apple.com/guide).

If you know an application is compatible, you might need to reinstall the application.

**If your MacBook Air freezes during startup, or you see a flashing question mark, or the display is dark**

The flashing question mark usually means that the computer can’t find the system software on the hard disk or on any disks attached to the computer.

- Wait a few seconds. If the computer still doesn’t start up, shut it down by holding down the power (⏻) button for about 8 to 10 seconds. Disconnect all external peripherals and try restarting by pressing the power (⏻) button while holding down the Option key. When your computer starts up, click the hard disk icon, and then click the right arrow. After the computer starts up, open System Preferences and click Startup Disk. Select a local Mac OS X System folder.

## If your MacBook Air doesn't turn on or start up

Try the following suggestions in order until your computer turns on:

- Make sure the power adapter is plugged into the computer and into a functioning power outlet. Be sure to use the 45W MagSafe Power Adapter that came with your MacBook Air. If the power adapter stops charging and you don't see the indicator light on the power adapter turn on when you plug in the power cord, try unplugging and replugging the power cord to reset it.
- Check whether the battery needs to be recharged. If the light on the power adapter glows amber, the battery is charging. See “Charging the Battery” on page 34.
- If the problem persists, reset the MacBook Air power manager (while still preserving your files) by pressing the left Shift key, left Option (alt) key, left Control key, and the power (⏻) button simultaneously for five seconds until the computer restarts.
- Press and release the power (⏻) button and immediately hold down the Command (⌘), Option, P, and R keys simultaneously until you hear the startup sound a second time. This resets the parameter RAM (PRAM).
- If you still can't start up your MacBook Air, see “Learning More, Service, and Support” on page 47 for information about contacting Apple for service.

### **If the screen suddenly goes black or your MacBook Air freezes**

Try restarting your MacBook Air.

- 1 Unplug any devices that are connected to your MacBook Air, except the power adapter.
- 2 Press the power (⏻) button to restart the system.
- 3 Let the battery charge to at least 10 percent before plugging in any external devices and resuming your work.

To see how much the battery has charged, look at the Battery () status icon in the menu bar.

The screen might also darken if you have energy saver features set for the battery.

### **If your MacBook Air can't connect to another computer's optical disc drive**

To use services such as Migration Assistant, DVD or CD Sharing, and iTunes music sharing, both your MacBook Air and the other computer must be connected to the same network. If your MacBook Air is connected wirelessly and the other computer is connected to a third-party router by Ethernet, check your router documentation to make sure it supports bridging a wireless to wired connection.

### **If you need to reinstall Mac OS X and other software that came with your MacBook Air, reset your password, or use Disk Utility**

Contact AppleCare or your local Apple Retail Store. For more information, see “Learning More, Service, and Support” on page 47.

## Using Apple Hardware Test

If you suspect a problem with the MacBook Air hardware, you can use the Apple Hardware Test application to help determine if there's a problem with one of the computer's components, such as the memory or processor.

### To use Apple Hardware Test on your MacBook Air:

- 1 Disconnect all external devices from your computer except the power adapter.
- 2 Restart your MacBook Air while holding down the D key.
- 3 When the Apple Hardware Test chooser screen appears, select the language you want to use.
- 4 Press the Return key or click the right arrow button.
- 5 When the Apple Hardware Test main screen appears (after about 45 seconds), follow the onscreen instructions.
- 6 If Apple Hardware Test detects a problem, it displays an error code. Make a note of the error code before pursuing support options. If Apple Hardware Test doesn't detect a hardware failure, the problem may be software related.

If this procedure doesn't work, contact AppleCare or your local Apple Retail Store.

## Problems with Your Internet Connection

Your MacBook Air has a Network Setup Assistant application to help you set up an Internet connection. Open System Preferences and click Network.

Click the “Assist me” button to open Network Setup Assistant.

If you have trouble with your Internet connection, try using Network Diagnostics.

### To use Network Diagnostics:

- 1 Choose Apple (🍏) > System Preferences.
- 2 Click Network and then click “Assist me.”
- 3 Click Diagnostics to open Network Diagnostics.
- 4 Follow the onscreen instructions.

If Network Diagnostics can't resolve the problem, there may be a problem with the Internet service provider (ISP) you are trying to connect to, with an external device you are using to connect to your ISP, or with the server you are trying to access.

If you have two or more computers sharing an Internet connection, be sure that your wireless network is set up properly. You need to know if your ISP provides only one IP address or if it provides multiple IP addresses, one for each computer.

If only one IP address is provided, then you must have a router capable of sharing the connection, also known as network address translation (NAT) or “IP masquerading.”

For setup information, check the documentation provided with your router or ask the person who set up your network. You can use an AirPort Base Station to share one IP address among multiple computers. For information about using an AirPort Base Station, check Mac Help or visit the Apple AirPort website at [www.apple.com/support/airport](http://www.apple.com/support/airport).

If you cannot resolve the issue using these steps, contact your ISP or network administrator.

## Problems with AirPort Extreme Wireless Communication

If you have trouble using AirPort Extreme wireless communication:

- Make sure the computer or network you are trying to connect to is running and has a wireless access point.
- Make sure you have properly configured the software according to the instructions that came with your base station or access point.
- Make sure you are within range of the other computer or the network's access point. Nearby electronic devices or metal structures can interfere with wireless communication and reduce this range. Repositioning or rotating the computer might improve reception.
- Check the AirPort (📶) status icon in the menu bar. Up to four bars appear, indicating signal strength. If signal strength is low, try changing your location.
- See AirPort Help (choose Help > Mac Help, and then choose Library > AirPort Help from the menu bar). Also see the instructions that came with the wireless device for more information.

## Keeping Your Software Up to Date

You can connect to the Internet and automatically download and install the latest free software versions, drivers, and other enhancements from Apple.

When you are connected to the Internet, Software Update checks to see if any updates are available for your computer. You can set your MacBook Air to check for updates periodically, and download and install updated software.

### To check for updated software:

- 1 Choose Apple (🍏) > System Preferences.
- 2 Click the Software Update icon and follow the onscreen instructions.
  - For more information, search for “Software Update” in Mac Help.
  - For the latest information about Mac OS X, go to [www.apple.com/macosx](http://www.apple.com/macosx).

## Learning More, Service, and Support

Your MacBook Air does not have any user-serviceable or user-replaceable parts. If you need service, contact Apple or take your MacBook Air to an Apple Authorized Service Provider. You can find more information about the MacBook Air through online resources, onscreen help, System Profiler, or Apple Hardware Test.

### Online Resources

For online service and support information, go to [www.apple.com/support](http://www.apple.com/support). Choose your country from the pop-up menu. You can search the AppleCare Knowledge Base, check for software updates, or get help from Apple’s discussion forums.

## Onscreen Help

You can often find answers to your questions, as well as instructions and troubleshooting information, in Mac Help. Choose Help > Mac Help.

## System Profiler

To get information about your MacBook Air, use System Profiler. It shows you what hardware and software is installed, the serial number and operating system version, how much memory is installed, and more. To open System Profiler, choose Apple (🍏) > About This Mac from the menu bar and then click More Info.

## AppleCare Service and Support

Your MacBook Air comes with 90 days of technical support and one year of hardware repair warranty coverage at an Apple Retail Store or an Apple-authorized repair center, such as an Apple Authorized Service Provider. You can extend your coverage by purchasing the AppleCare Protection Plan. For information, visit [www.apple.com/support/products](http://www.apple.com/support/products) or visit the website address for your country listed later in the section.

If you need assistance, AppleCare telephone support representatives can help you with installing and opening applications, and basic troubleshooting. Call the support center number nearest you (the first 90 days are complimentary). Have the purchase date and your MacBook Air serial number ready when you call.

Your 90 days of complimentary telephone support begins on the date of purchase.

Country	Phone	Website
United States	1-800-275-2273	<a href="http://www.apple.com/support">www.apple.com/support</a>
Australia	(61) 1-300-321-456	<a href="http://www.apple.com/au/support">www.apple.com/au/support</a>
Canada (English) (French)	1-800-263-3394	<a href="http://www.apple.com/ca/support">www.apple.com/ca/support</a> <a href="http://www.apple.com/ca/fr/support">www.apple.com/ca/fr/support</a>
Ireland	(353) 1850 946 191	<a href="http://www.apple.com/ie/support">www.apple.com/ie/support</a>
New Zealand	00800-7666-7666	<a href="http://www.apple.com/nz/support">www.apple.com/nz/support</a>
United Kingdom	(44) 0844 209 0611	<a href="http://www.apple.com/uk/support">www.apple.com/uk/support</a>

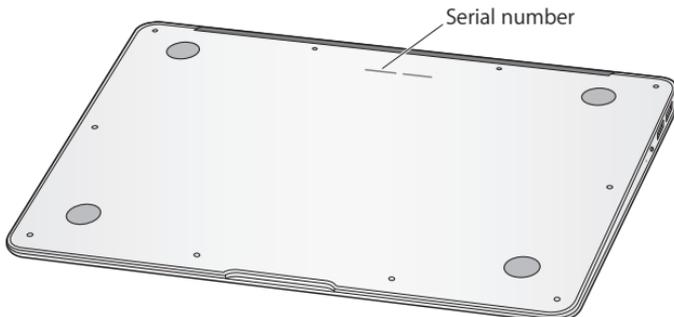
Telephone numbers are subject to change, and local and national telephone rates may apply. A complete list is available on the web:

[www.apple.com/support/contact/phone\\_contacts.html](http://www.apple.com/support/contact/phone_contacts.html)

## Locating Your Product Serial Number

Use one of these methods to find your computer's serial number:

- Turn over your MacBook Air. The serial number is etched into the case near the hinge.



- Choose Apple () > About This Mac. Click the version number beneath the words "Mac OS X" to cycle through the Mac OS X version number, the build version, and the serial number.
- Click the Finder icon and open /Applications/Utilities/System Profiler. Click Hardware in the Contents pane.

# 4

## Last, but Not Least

[www.apple.com/environment](http://www.apple.com/environment)

Mac Help  ergonomics

For your safety and that of your equipment, follow these rules for handling and cleaning your MacBook Air and for working more comfortably. Keep these instructions handy for reference by you and others.

**WARNING:** Incorrect storage or use of your computer may void the manufacturer's warranty.

## Important Safety Information

**WARNING:** Failure to follow these safety instructions could result in fire, electric shock, or other injury or damage.

**Built-in battery** Do not remove the battery from your MacBook Air. The battery should be replaced only by an Apple Authorized Service Provider. Discontinue use of your MacBook Air if it's dropped or appears crushed, bent, deformed, or damaged. Do not expose the computer to temperatures above 212° F or 100° C.

**Proper handling** Set up your MacBook Air on a stable work surface that allows for adequate air circulation under and around the computer. Do not operate your MacBook Air on a pillow or other soft material, as the material can block the airflow vents. Never place anything over the keyboard when operating your computer. Never push objects into the ventilation openings.

The bottom of your MacBook Air may become very warm during normal use. If your MacBook Air is on your lap and gets uncomfortably warm, remove it from your lap and place it on a stable work surface.

**Water and wet locations** Keep your MacBook Air away from sources of liquid, such as drinks, washbasins, bathtubs, shower stalls, and so on. Protect your computer from dampness or wet weather, such as rain, snow, and fog.

**45W MagSafe Power Adapter** Make sure the AC plug or AC power cord is fully inserted into the power adapter before plugging the adapter into a power outlet. Use only the power adapter that came with your MacBook Air, or an Apple-authorized power adapter that is compatible with this product. The AC power cord provides a grounded connection. The power adapter may become very warm during normal use. Always put the power adapter directly into a power outlet, or place it on the floor in a well-ventilated location.

Disconnect the power adapter and disconnect any other cables if any of the following conditions exists:

- You want to clean the case (use only the recommended procedure described in “Important Handling Information” on page 55).
- The power cord or plug becomes frayed or otherwise damaged.
- Your MacBook Air or power adapter is exposed to rain, excessive moisture, or liquid spilled into the case.
- Your MacBook Air or power adapter has been dropped, the case has been damaged, or you suspect that service or repair is required.

The MagSafe power port contains a magnet that can erase data on a credit card, iPod, or other device. To preserve your data, do not place these and other magnetically sensitive material or devices within 1 inch (25 mm) of this port.

If debris gets into the MagSafe power port, remove it gently with a dry cotton swab.

**MagSafe power specifications:** (>>> REVIEWERS: Please update for 45W)

- *Frequency:* 50 to 60 Hz, single phase
- *Line Voltage:* 100 to 240 V
- *Output Voltage:* 16.5 V DC, 3.65 A

**Hearing damage** Permanent hearing loss may occur if earbuds or headphones are used at high volume. You can adapt over time to a higher volume of sound that may sound normal but can be damaging to your hearing. If you experience ringing in your ears or muffled speech, stop listening and have your hearing checked. The louder the volume, the less time is required before your hearing could be affected. Hearing experts suggest that to protect your hearing:

- Limit the amount of time you use earbuds or headphones at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

**High-risk activities** This computer is not intended for use in the operation of nuclear facilities, aircraft navigation or communications systems, air traffic control systems, or for any other uses where a failure of the computer system could lead to death, personal injury, or severe environmental damage.

## Important Handling Information

**NOTICE:** Failure to follow these handling instructions could result in damage to your MacBook Air or other property.

**Operating environment** Operating your MacBook Air outside these ranges may affect performance:

- *Operating temperature:* 50° to 95° F (10° to 35° C)
- *Storage temperature:* -4° to 113° F (-20° to 45° C)
- *Relative humidity:* 5% to 90% (noncondensing)
- *Operating altitude:* 0 to 10,000 feet (0 to 3048 meters)

**Turning on your MacBook Air** Never turn on your MacBook Air unless all of its internal and external parts are in place. Operating your computer when parts are missing may be dangerous and may damage the computer.

**Carrying your MacBook Air** If you carry your MacBook Air in a bag or briefcase, make sure that there are no loose items (such as paper clips or coins) that could accidentally get inside the computer through vent openings or get stuck inside a port. Also, keep magnetically sensitive items away from the MagSafe power port.

**Using connectors and ports** Never force a connector into a port. When connecting a device, make sure the port is free of debris, that the connector matches the port, and that you have positioned the connector correctly in relation to the port.

**Handling glass parts** Your MacBook Air contains glass components, including the display and trackpad. If they are damaged, don't use your MacBook Air until it has been repaired by an Apple Authorized Service Provider.

**Storing your MacBook Air** If you are going to store your MacBook Air for an extended period of time, keep it in a cool location (ideally, 71° F or 22° C) and discharge the battery to 50 percent. When storing your computer for longer than five months, discharge the battery to approximately 50 percent. To maintain the capacity of the battery, recharge the battery to 50 percent every six months or so.

**Cleaning your MacBook Air** When cleaning the outside of your computer and its components, first shut down your MacBook Air, and then unplug the power adapter. Then use a damp, soft, lint-free cloth to clean the computer's exterior. Avoid getting moisture in any openings. Do not spray liquid directly on the computer. Do not use aerosol sprays, solvents, or abrasives that might damage the finish.

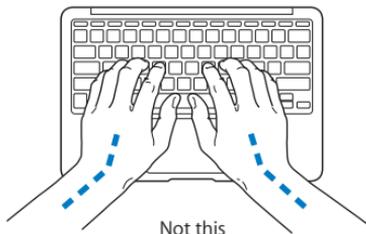
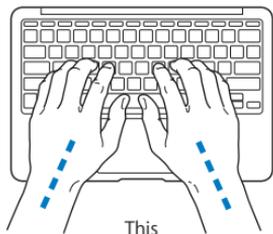
**Cleaning the MacBook Air screen** To clean your MacBook Air screen, first shut down your MacBook Air and unplug the power adapter. Then use a damp, soft, lint-free cloth to clean the computer's exterior. Avoid getting moisture in any openings. Do not spray liquid directly on the computer. Do not use aerosol sprays, solvents, or abrasives that might damage the finish.

## Understanding Ergonomics

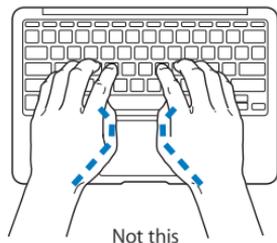
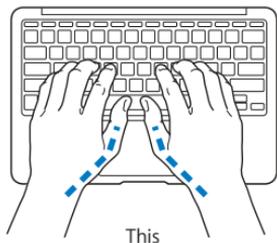
Here are some tips for setting up a healthy work environment.

### Keyboard and Trackpad

When you use the keyboard and trackpad, your shoulders should be relaxed. Your upper arm and forearm should form an angle that is slightly greater than a right angle, with your wrist and hand in roughly a straight line.



Use a light touch when typing or using the trackpad and keep your hands and fingers relaxed. Avoid rolling your thumbs under your palms.



Change hand positions often to avoid fatigue. Some computer users might develop discomfort in their hands, wrists, or arms after intensive work without breaks. If you begin to develop chronic pain or discomfort in your hands, wrists, or arms, consult a qualified health specialist.

## External Mouse

If you use an external mouse, position the mouse at the same height as the keyboard and within a comfortable reach.

## Chair

An adjustable chair that provides firm, comfortable support is best. Adjust the height of the chair so your thighs are horizontal and your feet are flat on the floor. The back of the chair should support your lower back (lumbar region). Follow the manufacturer's instructions for adjusting the backrest to fit your body properly.

You might have to raise your chair so that your forearms and hands are at the proper angle to the keyboard. If this makes it impossible to rest your feet flat on the floor, you can use a footrest with adjustable height and tilt to make up for any gap between the floor and your feet. Or you can lower the desktop to eliminate the need for a footrest. Another option is to use a desk with a keyboard tray that's lower than the regular work surface.

## Built-In Display

Adjust the angle of the display to minimize glare and reflections from overhead lights and windows. Do not force the display if you meet resistance. The display is not designed to open past 135 degrees.

You can adjust the brightness of the screen when you take the computer from one work location to another, or if the lighting in your work area changes.

More information about ergonomics is available on the web:

[www.apple.com/about/ergonomics](http://www.apple.com/about/ergonomics)

## Apple and the Environment

Apple Inc. recognizes its responsibility to minimize the environmental impacts of its operations and products.

More information is available on the web:

[www.apple.com/environment](http://www.apple.com/environment)



## Regulatory Compliance Information

### FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See instructions if interference to radio or television reception is suspected.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes: (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

### Radio and Television Interference

This computer equipment generates, uses, and can radiate radio-frequency energy. If it is not installed and used properly—that is, in strict accordance with Apple's instructions—it may cause interference with radio and television reception.

This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in Part 15 of FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

You can determine whether your computer system is causing interference by turning it off. If the interference stops, it was probably caused by the computer or one of the peripheral devices.

If your computer system does cause interference to radio or television reception, try to correct the interference by using one or more of the following measures:

- Turn the television or radio antenna until the interference stops.
- Move the computer to one side or the other of the television or radio.
- Move the computer farther away from the television or radio.
- Plug the computer in to an outlet that is on a different circuit from the television or radio. (That is, make certain the computer and the television or radio are on circuits controlled by different circuit breakers or fuses.)

If necessary, consult an Apple Authorized Service Provider or Apple. See the service and support information that came with your Apple product. Or consult an experienced radio/television technician for additional suggestions.

**Important:** Changes or modifications to this product not authorized by Apple Inc. could void the EMC compliance and negate your authority to operate the product.

This product has demonstrated EMC compliance under conditions that included the use of compliant peripheral devices and shielded cables (including Ethernet network cables) between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, television sets, and other electronic devices.

*Responsible party (contact for FCC matters only):*

Apple Inc. Corporate Compliance  
1 Infinite Loop, MS 26-A  
Cupertino, CA 95014

### Wireless Radio Use

This device is restricted to indoor use when operating in the 5.15 to 5.25 GHz frequency band.

Cet appareil doit être utilisé à l'intérieur.

### Exposure to Radio Frequency Energy

The radiated output power of the AirPort Extreme technology is below the FCC radio frequency exposure limits. Nevertheless, it is advised to use the wireless equipment in such a manner that the potential for human contact during normal operation is minimized.

### FCC Bluetooth Wireless Compliance

The antenna used with this transmitter must not be colocated or operated in conjunction with any other antenna or transmitter subject to the conditions of the FCC Grant.

### Bluetooth Industry Canada Statement

This Class B device meets all requirements of the Canadian interference-causing equipment regulations.

Cet appareil numérique de la Class B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

## Industry Canada Statement

Complies with the Canadian ICES-003 Class B specifications.  
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. This device complies with RSS 210 of Industry Canada.

## Europe—EU Declaration of Conformity

See: [www.apple.com/euro/compliance](http://www.apple.com/euro/compliance)

## Korea Warning Statements

\*달해 무선설비는 운용 중 전파혼신 가능성이 있음\*  
\*이 기기는 인명안전과 관련된 서비스에 사용할 수 없습니다.\*

## B급 기기(가정용 방송통신기기)

이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

## Singapore Wireless Certification

Complies with  
IDA Standards  
DB00063

## Taiwan Wireless Statements

### 無線設備의警告聲明

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率，加大功率或變更原設計之特性及功能。低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

### 如有這 頻率:

於 5.25GHz 至 5.35GHz 區域內操作之  
無線設備의警告聲明  
工作頻率 5.250 ~ 5.350GHz 該频段限於室內使用。

## Taiwan Class B Statement

### Class B 設備的警告聲明 NIL

## Russia



ME67

## VCCI Class B Statement

### 情報処理装置等電波障害自主規制について

この装置は、情報処理装置等電波障害自主規制協議会 (VCCI) の基準に基づくクラス B 情報技術装置です。この装置は家庭環境で使用されることを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取扱をしてください。

## External USB Modem Information

When connecting your MacBook Air to the phone line using an external USB modem, refer to the telecommunications agency information in the documentation that came with your modem.

## ENERGY STAR® Compliance



As an ENERGY STAR® partner, Apple has determined that standard configurations of this product meet the ENERGY STAR® guidelines for energy efficiency. The ENERGY STAR® program is a partnership with electronic equipment manufacturers to promote energy-efficient products. Reducing energy consumption of products saves money and helps conserve valuable resources.

This computer is shipped with power management enabled with the computer set to sleep after 10 minutes of user inactivity. To wake your computer, click the mouse or trackpad button or press any key on the keyboard.

For more information about ENERGY STAR®, visit:  
[www.energystar.gov](http://www.energystar.gov)

## Türkiye

EEE yönetmeliğine (Elektrikli ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlanılmasına Dair Yönetmelik) uygundur.

## 中国

有毒或 有害物质	零部件				
	电路板	显示屏	电池组	附件	电源 适配器
铅 (Pb)	X	X	X	X	X
汞 (Hg)	O	O	O	O	O
镉 (Cd)	O	O	O	O	O
六价铬 (Cr, VI)	O	O	O	O	O
多溴联苯 (PBB)	O	O	O	O	O
多溴二苯醚 (PBDE)	O	O	O	O	O

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 规定的限量要求以下。

X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 规定的限量要求。

根据中国电子行业标准 SJ/T11364-2006 和相关的中国政府法规，本产品及其某些内部或外部组件上可能带有环保使用期限标识。取决于组件和组件制造商，产品及其组件上的使用期限标识可能有所不同。组件上的使用期限标识优先于产品上任何与之相冲突的或不同的环保使用期限标识。



## Disposal and Recycling Information



This symbol indicates that your product must be disposed of properly according to local laws and regulations. When your product reaches its end of life, contact Apple or your local authorities to learn about recycling options.

For information about Apple's recycling program, go to:  
[www.apple.com/recycling](http://www.apple.com/recycling).

### Brasil: Informações sobre descarte e reciclagem



O símbolo indica que este produto e/ou sua bateria não devem ser descartadas no lixo doméstico. Quando decidir descartar este produto e/ou sua bateria, faça-o de acordo com as leis e diretrizes ambientais locais. Para informações sobre o programa de reciclagem da Apple, pontos de coleta e telefone de informações, visite [www.apple.com/br/environment](http://www.apple.com/br/environment).

### European Union—Disposal Information



The symbol above means that according to local laws and regulations your product should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Some collection points accept products for free. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

### Battery Disposal Information

Dispose of batteries according to your local environmental laws and guidelines.

**Deutschland:** Dieses Gerät enthält Batterien. Bitte nicht in den Hausmüll werfen. Entsorgen Sie dieses Gerätes am Ende seines Lebenszyklus entsprechend der maßgeblichen gesetzlichen Regelungen.

**Nederlands:** Gebruikte batterijen kunnen worden ingeleverd bij de chemokar of in een speciale batterijcontainer voor klein chemisch afval (kca) worden gedeponneerd.

**Taiwan:**



廢電池請回收



Looking for Something?

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