



iPod touch

User Guide

For iPhone OS 3.1 Software

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WARNING: To avoid injury, read all operating instructions in this guide and safety information in the *iPod touch Important Product Information Guide* at www.apple.com/support/manuals/ipodtouch before using iPod touch.

Viewing the User Guide on iPod touch

The *iPod touch User Guide*, optimized for viewing on iPod touch, is available at help.apple.com/ipodtouch.

View the guide on iPod touch: In Safari, tap , then tap the *iPod touch User Guide* bookmark.

Add an icon for the guide to the Home screen: When viewing the guide, tap , then tap “Add to Home Screen.”

The *iPod touch User Guide* is available in many languages.

View the guide in a different language: Tap “Change Language” at the bottom of the screen on the main contents page, then choose the language you want.

What You Need

To use iPod touch, you need:

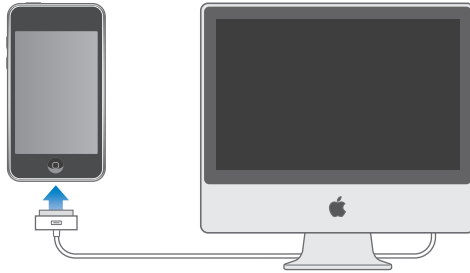
- A Mac or a PC with a USB 2.0 port and one of the following operating systems:
 - Mac OS X version 10.4.11 or later; version 10.5.7 or later is required for syncing Notes
 - Windows XP Home or Professional with Service Pack 3 or later
 - Windows Vista Home Premium, Business, Enterprise, or Ultimate edition
- Display resolution on your computer set to 1024 x 768 or higher
- iTunes 9 or later, available at www.itunes.com/download
- QuickTime 7.6.2 or later
- An iTunes Store account (for purchases from the iTunes Store or App Store)
- An Internet connection for your computer (broadband recommended)

Registering iPod touch

Before you can use any of the iPod touch features, you must use iTunes to set up iPod touch. You can also register iPod touch and create an iTunes Store account (not available in some countries) if you don't already have one.

Register iPod touch:

- 1 Download and install the latest version of iTunes from www.itunes.com/download.
- 2 Connect iPod touch to a USB 2.0 port on your Mac or PC using the cable that came with iPod touch.



- 3 Follow the onscreen instructions in iTunes to register iPod touch and sync iPod touch with music, video, and other content from your iTunes library, and with your contacts, calendars, and bookmarks on your computer.

Setting Up iPod touch Using VoiceOver

If you're visually impaired, VoiceOver (available only on Fall 2009 models with 32 GB or more) can help you set up iPod touch without a sighted assistant. VoiceOver describes aloud what appears on the screen, so you can use iPod touch without seeing it. When you connect iPod touch to your computer, iTunes detects whether you're using a compatible screen reader on your computer, such as VoiceOver on a Mac or GW Micro Window-Eyes on a PC, and automatically enables VoiceOver on iPod touch. A sighted user can also enable VoiceOver on iPod touch for you, using Accessibility settings. See "Using VoiceOver" on page 144.

Note: VoiceOver isn't available in all languages.

Syncing

About Syncing

With iPod touch, it's easy to have instant access to your music, video, downloaded applications, and other iTunes library content. iTunes can sync all this information to iPod touch, and your contacts, calendars, and your browser bookmarks as well.

iTunes lets you specify the information and content on your computer that you want to sync with iPod touch. By default, iTunes syncs automatically with iPod touch whenever you connect iPod touch to your computer.

Syncing with iTunes

You can set iTunes to sync any or all of the following:

- Music and audiobooks
- Movies
- TV Shows
- Games and applications downloaded from the iTunes Store
- Music videos
- Podcasts
- iTunes U collections
- Photos and videos (in your computer's photo application or folder)
- Contacts—names, phone numbers, addresses, email addresses, and more
- Calendars—appointments and events
- Notes (requires Mac OS X version 10.5.7 or later on a Mac, or Microsoft Outlook 2003 or 2007 on a PC)
- Email account settings
- Webpage bookmarks

You can adjust sync settings whenever iPod touch is connected to your computer.

Music, audiobooks, podcasts, iTunes U collections, videos, and applications can be synced from your iTunes library. If you don't already have content in iTunes, the iTunes Store (available in some countries) makes it easy to preview and download content to iTunes. You can also add music to your iTunes library from your CDs. To learn about iTunes and the iTunes Store, open iTunes and choose Help > iTunes Help.

Contacts, calendars, notes, and webpage bookmarks are synced with applications on your computer, as described in the following section. Contacts and calendars are synced both ways between your computer and iPod touch. New entries or changes you make on iPod touch are synced to your computer, and vice versa. Notes and webpage bookmarks are also synced both ways. Photos and videos (Mac only) can be synced from an application or from a folder.

Email account settings are synced only from your computer's email application to iPod touch. This allows you to customize your email accounts on iPod touch without affecting email account settings on your computer.

Note: You can also set up email accounts directly on iPod touch. See “Mail, Contacts, and Calendar Accounts.”

Purchases you make on iPod touch in the iTunes Store or the App Store are synced back to your iTunes library. You can also purchase or download content and applications directly from the iTunes Store on your computer, and then sync them to iPod touch.

You can set iPod touch to sync with only a portion of what's on your computer. For example, you might want to sync only certain music playlists, or only unwatched video podcasts.

Important: You should be logged in to your own computer user account before connecting iPod touch.

Set up iTunes syncing:

- 1 Connect iPod touch to your computer, and open iTunes (if it doesn't open automatically).
- 2 In iTunes, select iPod touch in the sidebar.
- 3 Configure the sync settings in each of the settings panes.
See the following section for descriptions of the panes.
- 4 Click Apply in the lower-right corner of the screen.

By default, “Open iTunes when this iPod is connected” is selected.

iPod touch Settings Panes in iTunes

The following sections provide an overview of each of the iPod touch settings panes. For more information, open iTunes and choose Help > iTunes Help.



Summary Pane

Select “Open iTunes when this iPod is connected” to have iTunes open and sync iPod touch automatically whenever you connect it to your computer. Deselect this option if you want to sync only by clicking the Sync button in iTunes. For more information about preventing automatic syncing, see “Preventing Automatic Syncing” on page 13.

Select “Sync only checked songs and videos” if you want iTunes to skip unchecked items in your iTunes library when syncing.

Select “Manually manage music and videos” to turn off automatic syncing in the Music and Video settings panes. See “Manually Managing Content” on page 41.

Select “Encrypt iPod backup” if you want to encrypt the information stored on your computer when iTunes makes a backup. Encrypted backups are indicated by a padlock icon, and a password is required to restore the information to iPod touch. See “Backing Up iPod touch” on page 156.

Click Configure Universal Access to turn on Accessibility features (available only on Fall 2009 models with 32 GB or more). See Chapter 21, “Accessibility,” on page 139.

Applications Pane

Use the Applications pane to specify which App Store applications to sync on iPod touch, or to arrange your Home screen (requires iTunes 9 or later). Any applications downloaded directly to iPod touch are automatically backed up to your iTunes library when you sync. If you manually delete an application on iPod touch, you can reinstall it from this pane as long as it was previously synced.

Music, Movies, TV Shows, Podcasts, and iTunes U Panes

Use these panes to specify the media you want to sync. You can sync all music, movies, TV shows, podcasts, and iTunes U collections, or select the content you want on iPod touch.

If you want to watch rented movies on iPod touch, transfer them to iPod touch using the Movies pane in iTunes.

If there’s not enough room on iPod touch for all the media you’ve specified, iTunes can create a special playlist and set it to sync with iPod touch.

Note: The iTunes U pane appears only in iTunes 9 or later. In earlier versions of iTunes, iTunes U content appeared in the Podcasts pane.

Photos Pane

You can sync photos and videos (Mac only, iTunes 9 required) with iPhoto 4.0.3 or later, or Aperture on a Mac; or with Adobe Photoshop Elements 3.0 or later on a PC. You can also sync photos and videos in any folder on your computer that contains images.

Info Pane

The Info pane lets you configure the sync settings for your contacts, calendars, email accounts, and web browser.

- **Contacts**

You can sync contacts with applications such as Mac OS X Address Book, Yahoo! Address Book, and Google Contacts on a Mac, or with Yahoo! Address Book, Google Contacts, Windows Address Book (Outlook Express), Windows Vista Contacts, or Microsoft Outlook 2003 or 2007 on a PC. (On a Mac, you can sync contacts with multiple applications. On a PC, you can sync contacts with only one application at a time.)

If you sync with Yahoo! Address Book, you only need to click Configure to enter your new login information when you change your Yahoo! ID or password after you've set up syncing.

- **Calendars**

You can sync calendars from applications such as iCal on a Mac, or from Microsoft Outlook 2003 or 2007 on a PC. (On a Mac, you can sync calendars with multiple applications. On a PC, you can sync calendars with only one application at a time.)

- **Web Browser**

You can sync bookmarks from Safari on a Mac, or from Safari or Microsoft Internet Explorer on a PC.

- **Notes**

Sync notes in the Notes application on iPod touch with notes in Mail on a Mac or with Microsoft Outlook 2003 or 2007 on a PC. (On a Mac, you must have Mac OS version 10.5.7 or later installed to sync notes.)

- **Mail Accounts**

You can sync email account settings from Mail on a Mac, and from Microsoft Outlook 2003 or 2007 or Outlook Express on a PC. Account settings are only transferred from your computer to iPod touch. Changes you make to an email account on iPod touch don't affect the account on your computer.

Note: The password for your Yahoo! email account isn't saved on your computer, so it can't be synced and must be entered on iPod touch. In Settings, choose "Mail, Contacts, Calendars," tap your Yahoo! account, and enter the password.

- **Advanced**

These options let you replace the information on iPod touch with the information on your computer during the next sync.

Preventing Automatic Syncing

You can prevent iPod touch from syncing automatically when you connect iPod touch to a computer other than the one you usually sync with.

Turn off automatic syncing for iPod touch: Connect iPod touch to your computer. In iTunes, select iPod touch in the sidebar, then click the Summary tab. Deselect “Open iTunes when this iPod is connected.” You can still sync by clicking the Sync button.

Prevent automatic syncing for all iPhones and iPods: In iTunes choose iTunes > Preferences (on a Mac) or Edit > Preferences (on a PC), click Devices, and select “Disable automatic syncing for all iPhones and iPods.”

If this checkbox is selected, iPod touch won’t sync automatically, even if “Open iTunes when this iPod is connected” is selected in the Summary pane.

Prevent automatic syncing one time, without changing settings: Open iTunes, connect iPod touch to your computer, then press and hold Command-Option (on a Mac) or Shift-Control (on a PC) until you see iPod touch appear in the sidebar.

Sync manually: In iTunes, select iPod touch in the sidebar, then click Sync in the bottom-right corner of the window. Or, if you’ve changed any sync settings, click Apply.

Mail, Contacts, and Calendar Accounts

iPod touch works with MobileMe, Microsoft Exchange, and many of the most popular email systems.

Setting Up Accounts

MobileMe and Microsoft Exchange provide not only email, but contact and calendar information that can be synced to iPod touch automatically, over the air. MobileMe can also sync your bookmarks on iPod touch with Safari on a Mac, or with Safari or Microsoft Internet Explorer on a PC. You set up MobileMe, Exchange, and other email accounts directly on iPod touch.

iPod touch uses the Exchange ActiveSync protocol to sync email, calendars, and contacts with the following versions of Microsoft Exchange:

- Exchange Server 2003 Service Pack 2
- Exchange Server 2007 Service Pack 1

For many popular email accounts, iPod touch automatically enters most of the settings for you.

If you don’t already have an email account, you can get a free account online at www.yahoo.com, www.google.com, or www.aol.com. You can also try MobileMe, free for 60 days. Go to www.me.com.

Set up an account on iPod touch:

- 1 From the iPod touch Home screen, tap Settings.
- 2 Tap “Mail, Contacts, Calendars,” then tap Add Account.
- 3 Tap an account type:

- Microsoft Exchange
- MobileMe
- Google email
- Yahoo! Mail
- AOL
- Other

- 4 Enter your account information and tap Save.

Your service provider or system administrator can provide the account settings you need.

Exchange accounts: Enter your complete email address, domain (optional), user name, password, and a description. The description can be whatever you like.

iPod touch supports Microsoft’s Autodiscovery service, which uses your user name and password to determine the address of the Exchange server. If the server’s address can’t be determined, you’re asked to enter it. (Enter the complete address in the Server field.) Once you connect to the Exchange server, you may be prompted to change your passcode to match the policies set on the server.

- 5 If you’re setting up a MobileMe or Microsoft Exchange account, tap the items you want to use on iPod touch—mail, contacts, calendars, and bookmarks (MobileMe only).

MobileMe includes the Find My iPod touch feature that helps you locate iPod touch if it’s been lost or stolen, and remotely lock, set a passcode, or erase the information on iPod touch if necessary. See “Security Features” on page 37.

If you enable Find My iPod touch for your MobileMe account, make sure that Push is turned on for Fetch New Data. In Settings, choose “Mail, Contacts, Calendars” > Fetch New Data, and if Push is off, tap to turn it on.

For Exchange accounts, you can set how many days of email you want to sync to iPod touch.

If you already have contact or calendar information on iPod touch when you enable the account, iPod touch asks what you want to do with existing information on iPod touch. You can choose to merge the existing data into your MobileMe or Exchange account. If you don’t merge the data, you can choose to keep it in a separate account on iPod touch (the account is labeled “On My iPod touch”), or delete it. Existing bookmarks can only be merged or deleted.

Similarly, when you disable contacts or calendars in an MobileMe or Exchange account, or if you delete an account, iPod touch asks if you want to keep information or delete it.

You can add contacts using an LDAP account if your company or organization supports it. See “Adding Contacts” on page 84.

You can subscribe to CalDAV or iCal (.ics) calendars. See “Subscribing to and Sharing Calendars” on page 75.

Push Accounts

MobileMe, Microsoft Exchange, and Yahoo! Mail are known as “push” accounts. When new information is available, such as the arrival of an email message, the information is automatically delivered (pushed) to iPod touch. (In contrast, “fetch” services require your email software to periodically check with your service provider to see if new messages have arrived, and then request them to be delivered.) MobileMe and Exchange also use push to sync your contacts, calendars, and bookmarks (MobileMe only) if you have those items selected in the account settings.

Synced information is transferred automatically over your wireless connection; you don’t need to connect iPod touch to your computer to sync. iPod touch can receive pushed data over a Wi-Fi connection only when iPod touch is awake (the screen is on, or iPod touch is connected to your computer or a power adapter).

Installing Configuration Profiles

If you’re in an enterprise environment, you may be able to set up accounts and other items on iPod touch by installing a configuration profile. Configuration profiles provide a way for system administrators to quickly set up your iPod touch to work with the information systems at your company, school, or organization. For example, a configuration profile might set up your iPod touch to access the Microsoft Exchange servers at work, enabling iPod touch to access your Exchange email, calendars, and contacts.

Configuration profiles can configure multiple settings on iPod touch all at once. For example, a configuration profile can set up your Microsoft Exchange account, VPN account, and certificates for secure access to your company’s network and information. A configuration profile may turn on the Passcode Lock, requiring you to create and enter a passcode for using iPod touch.

Your system administrator may distribute configuration profiles by email or by putting them on a secure webpage. A system administrator may also install a configuration profile directly on iPod touch for you.

Install a configuration profile:

- 1 Using iPod touch, open the email message or download the configuration profile from the website provided by your system administrator.
- 2 When the configuration profile opens, tap Install.
- 3 Enter passwords and other information as requested.

Important: You may be asked to verify that the configuration profile is trusted. If in doubt, consult your system administrator before installing a configuration profile.

Settings provided by a configuration profile cannot be altered. If you want to change these settings, you must first remove the configuration profile or install an updated configuration profile.

Remove a profile: In Settings, choose General > Profile, then select the configuration profile and tap Remove.

Removing a configuration profile deletes the settings and all other information installed by the configuration profile from iPod touch.

Disconnecting iPod touch from Your Computer

Unless iPod touch is syncing with your computer, you can disconnect it from your computer at any time.

When iPod touch is syncing with your computer, iPod touch shows “Sync in progress.” If you disconnect iPod touch before it finishes syncing, some data may not get transferred. When iPod touch finishes syncing, iTunes shows “iPod touch sync is complete.”

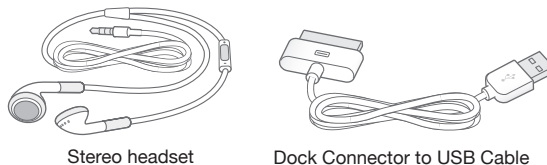
Cancel a sync: Drag the slider on iPod touch.

iPod touch at a Glance



Your Home screen may look different, depending on the model of iPod touch you have and whether you have rearranged its icons.

iPod touch Included Accessories



Item	What you can do with it
Apple Earphones with Remote and Mic (Fall 2009 models with 32 GB or more) Apple Earphones (8 GB model)	Listen to music, audiobooks, podcasts, and videos. Use the built-in microphone to speak. Press the center button to play or pause a song, or press twice quickly to skip to the next track. Use the + and – buttons to adjust the volume (Apple Earphones with Remote and Mic included only with Fall 2009 models with 32 GB or more). Press and hold the center button to use Voice Control (available only on Fall 2009 models with 32 GB or more).
Dock Connector to USB Cable	Use the cable to connect iPod touch to your computer to sync and charge, or to the USB power adapter (sold separately) to charge. The cable can be used with the optional dock or plugged directly into iPod touch.

Status Icons

The icons in the status bar at the top of the screen give information about iPod touch:

Status icon	What it means
 Wi-Fi	Shows that iPod touch is connected to the Internet over a Wi-Fi network. The more bars, the stronger the connection. See “Joining a Wi-Fi Network” on page 35.
 Network activity	Shows network activity. Some third-party applications may also use this icon to indicate an active process.
 VPN	Shows that you are connected to a network using VPN. See “Network” on page 117.
 Lock	Shows that iPod touch is locked. See “Sleep/Wake Button.”
 Play	Shows that a song, audiobook, or podcast is playing. See “Playing Songs” on page 42.
 Alarm	Shows that an alarm is set. See “Alarms” on page 110.
 Bluetooth	<i>Blue or white icon:</i> Bluetooth® (not available on first-generation iPod touch) is on and a device, such as a headset, is connected. <i>Gray icon:</i> Bluetooth is on, but no device is connected. <i>No icon:</i> Bluetooth is turned off.
 Battery	Shows battery level or charging status. See “Charging the Battery” on page 36.

Home Screen

Press the Home  button at any time to go to the Home screen, which contains your iPod touch applications. Tap any application icon to get started.

iPod touch Applications

The following applications are included with iPod touch:



Music

Listen to your songs, audiobooks, and podcasts. Create on-the-go playlists, or use Genius to create playlists for you. Listen to Genius Mixes of songs from your library.



Videos

Watch purchased or rented movies, music videos, video podcasts, and TV shows on the go. Or connect iPod touch to your TV to watch on a larger screen (TV connection requires cable available for purchase separately).



Safari

Browse websites over Wi-Fi. Rotate iPod touch sideways for widescreen viewing. Double-tap to zoom in or out—Safari automatically fits the webpage column to the iPod touch screen for easy reading. Open multiple pages. Sync bookmarks with Safari or Microsoft Internet Explorer on your computer. Add Safari web clips to the Home screen for fast access to favorite websites. Save images from websites to your Photo Library.



App Store

Search the App Store for iPod touch applications you can purchase or download using your Wi-Fi connection. Read reviews or write your own reviews for your favorite apps. Download and install the applications on your Home screen.



Mail

iPod touch works with MobileMe, Microsoft Exchange, and many of the most popular email systems—including Yahoo! Mail, Google email, and AOL—as well as most industry-standard POP3 and IMAP email systems. View PDFs and other attachments within Mail. Save attached photos and graphics to your Photo Library.



Calendar

View and search your MobileMe, iCal, Microsoft Entourage, Microsoft Outlook, or Microsoft Exchange calendars. Enter events on iPod touch and they get synced back to the calendar on your computer. Subscribe to calendars. Set alerts to remind you of events, appointments, and deadlines.



Photos

View photos and videos (only on Fall 2009 models with 32 GB or more) received in Mail messages, or synced from your computer's photo application (video syncing on Macs only). View them in portrait or landscape mode. Zoom in on photos for a closer look. Watch a slideshow. Email photos and videos, or publish them to MobileMe galleries. Assign images to contacts, and use them as wallpaper.



Contacts

Get contact information synced from MobileMe, Mac OS X Address Book, Yahoo! Address Book, Google Contacts, Windows Address Book (Outlook Express), Microsoft Outlook, or Microsoft Exchange. Search, add, change, or delete contacts, which get synced back to your computer.



YouTube

Play videos from YouTube's online collection. Search for any video, or browse featured, most viewed, most recently updated, and top-rated videos. Set up and log in to your YouTube account—then rate videos, sync your favorites, show subscriptions, and more.



Stocks

Watch your favorite stocks, updated automatically from the Internet. View company news and current trading information, such as opening or average price, trading volume, or market capitalization. Rotate iPod touch to see detailed charts in landscape orientation. Drag your finger along the charts to track price points, or use two fingers to see a range between points.



Maps

See a street map, satellite view, or hybrid view of locations around the world. Zoom in for a closer look, or check out the Google Street View. Find your current approximate location. Get detailed driving, public transit, or walking directions and see current highway traffic conditions. Find businesses in the area.



Weather

Get current weather conditions and a six-day forecast. Add your favorite cities for a quick weather report anytime.



Voice Memos

Record voice memos on iPod touch. (Requires a compatible external microphone or headset with microphone. Not available on first-generation iPod touch.) Play them back on iPod touch or sync them with iTunes to listen to voice memos on your computer. Attach voice memos to email messages.



Notes

Jot notes on the go—reminders, grocery lists, brilliant ideas. Send them in email.



Clock

View the time in cities around the world—create clocks for your favorites. Set one or more alarms. Use the stopwatch, or set a countdown timer.



Calculator

Add, subtract, multiply, and divide. Rotate iPod touch sideways to use expanded scientific functions.



Settings

Adjust all iPod touch settings in one convenient place. Set your own volume limit for listening comfort. Set your wallpaper, screen brightness, and settings for network, mail, web, music, video, photos, and more. Set auto-lock and a passcode for security. Restrict access to explicit iTunes content and certain applications. Reset iPod touch.



iTunes

Search the iTunes Store for music, audiobooks, TV shows, music videos, and movies. Browse, preview, purchase, and download new releases, top items, and more. Rent movies to view on iPod touch. Stream and download podcasts. Read reviews or write your own reviews for your favorite store items.



Nike + iPod

When activated in Settings, Nike + iPod turns your iPod touch into a workout companion. Track your pace, time, and distance from one workout to the next and choose a song to power through your routine. (Requires select Nike shoes and a Nike + iPod Sensor, sold separately. Not available on first-generation iPod touch.)

Note: Application functionality and availability may vary depending on the country or region where you purchase and use iPod touch.

Customizing the Home Screen

You can customize the layout of icons on the Home screen—including the Dock icons along the bottom of the screen. If you want, arrange them over multiple Home screens.

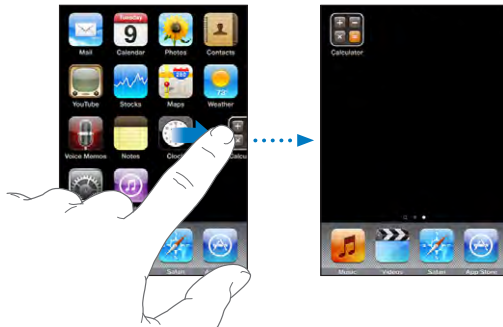
Rearrange icons:

- 1 Touch and hold any Home screen icon until the icons begin to wiggle.
- 2 Arrange the icons by dragging them.
- 3 Press the Home  button to save your arrangement.

You can also add links to your favorite webpages on the Home screen. See “Web Clips” on page 59.

You can also rearrange the Home screen icons and the order of the screens (in iTunes 9 or later) when iPod touch is connected to your computer. Select iPod touch in the iTunes sidebar, then click the Applications tab.

Create additional Home screens: While arranging icons, drag an icon to the right edge of the screen until a new screen appears. You can flick to return to the original screen and drag more icons to the new screen.



You can create up to 11 screens. The number of dots above the Dock shows the number of screens you have, and indicates which screen you're viewing.

Switch to another Home screen: Flick left or right, or tap to the left or right of the row of dots.

Go to the first Home screen: Press the Home  button.

Reset your Home screen to the default layout: Choose Settings > General > Reset and tap Reset Home Screen Layout.

Buttons

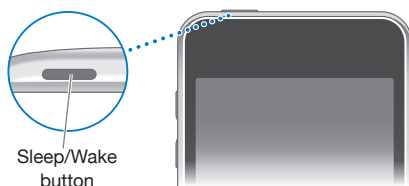
A few simple buttons make it easy to turn iPod touch on and off, and adjust the volume.

Sleep/Wake Button

When you're not using iPod touch you can lock it.

When iPod touch is locked, nothing happens if you touch the screen. You can still listen to music and adjust the volume, and use the center button on your iPod touch headset (or the equivalent button on your Bluetooth headset) to play or pause a song.

By default, if you don't touch the screen for a minute, iPod touch locks automatically.



Lock iPod touch	Press the Sleep/Wake button.
Unlock iPod touch	Press the Home  button or the Sleep/Wake button, then drag the slider.
Turn iPod touch completely off	Press and hold the Sleep/Wake button for a few seconds until the red slider appears, then drag the slider.
Turn iPod touch on	Press and hold the Sleep/Wake button until the Apple logo appears.

For information about changing how long before iPod touch locks, see “Auto-Lock” on page 118. For information about setting iPod touch to require a passcode to unlock it, see “Passcode Lock” on page 119.

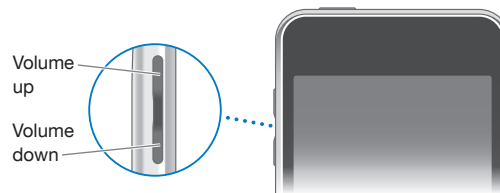
Volume Buttons

When you’re listening to songs, movies, or other media, the buttons on the side of iPod touch adjust the audio volume. Otherwise, the buttons control the volume for alerts and other sound effects.

Note: Volume buttons aren’t included on the first-generation iPod touch.

WARNING: For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/ipodtouch.

To adjust the volume, use the buttons on the side of iPod touch.



To set a volume limit for music and videos on iPod touch, see “Music” on page 123.

Touchscreen

The controls on the iPod touch touchscreen change dynamically depending on the task you're performing.

Opening Applications

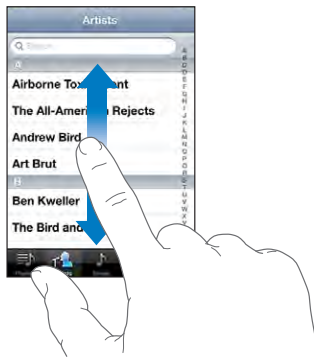
Open an application: Tap an icon.



Close an application and return to the Home screen: Press the Home  button below the display.

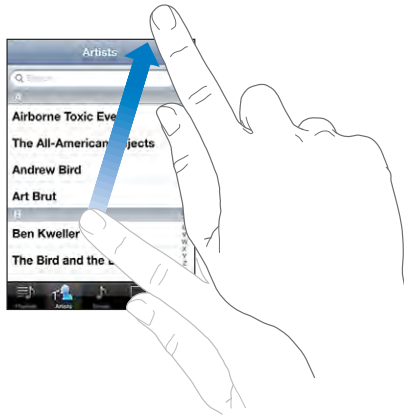
Scrolling

Drag up or down to scroll. On some screens such as webpages, you can also scroll side to side.



Dragging your finger to scroll won't choose or activate anything on the screen.

Flick to scroll quickly.



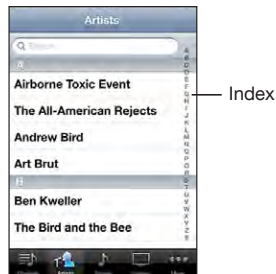
You can wait for the scrolling to come to a stop, or touch anywhere on the screen to stop it immediately. Touching the screen to stop scrolling won't choose or activate anything.

To quickly scroll to the top of a list, webpage, or email, just tap the status bar.

Lists

Some lists have an index along the right side, which helps you navigate quickly.

Find items in an indexed list: Tap a letter to jump to items starting with that letter. Drag your finger along the index to scroll quickly through the list.



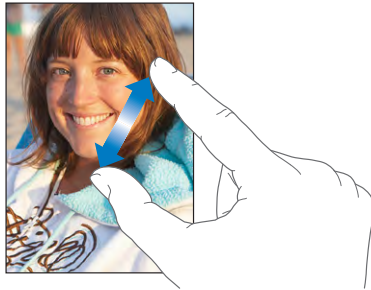
Choose an item: Tap an item in the list.

Depending on the list, tapping an item can do different things—for example, it may open a new list, play a song, open an email, or show someone's contact information.

Return to a previous list: Tap the back button in the upper-left corner.

Zooming In or Out

When viewing photos, webpages, email, or maps, you can zoom in and out. Pinch your fingers together or apart. For photos and webpages, you can double-tap (tap twice quickly) to zoom in, then double-tap again to zoom out. For maps, double-tap to zoom in and tap once with two fingers to zoom out.



Viewing in Landscape

Many iPod touch applications let you view the screen in either portrait or landscape orientation. Rotate iPod touch and the display rotates too, adjusting automatically to fit the new screen orientation.



You may prefer landscape for viewing webpages in Safari, or when entering text, for example. Webpages automatically scale to the wider screen in landscape, making the text and images larger. Similarly, the onscreen keyboard is larger in landscape, which may help increase your typing speed and accuracy.

The following applications support both portrait and landscape orientation:

- Music and Video
- Mail
- Safari
- Notes
- Contacts

- Stocks
- Photos
- Calculator

Movies viewed in Video and YouTube appear only in landscape orientation. Street views in Maps also appear in landscape.

Onscreen Keyboard

Use the onscreen keyboard to enter text, such as contact information and web addresses.

Typing

Depending on the application you're using, the intelligent keyboard may automatically suggest corrections as you type to help prevent mistyped words.

Enter text:

- 1 Tap a text field, such as in a note or new contact, to bring up the keyboard.
- 2 Tap keys on the keyboard.

Start by typing with just your index finger. As you get more proficient, you can type more quickly using two thumbs.

As you type, each letter appears above your thumb or finger. If you touch the wrong key, you can slide your finger to the correct key. The letter isn't entered until you release your finger from the key.



Type uppercase	Tap the Shift ⇧ key before tapping a letter. Or touch and hold the Shift key, then slide to a letter.
Quickly type a period and space	Double-tap the space bar. (You can turn this feature on or off in Settings > General > Keyboard.)
Turn caps lock on	Double-tap the Shift ⇧ key. The Shift key turns blue, and all letters you type are uppercase. Tap the Shift key again to turn caps lock off. (You can turn this feature on or off in Settings > General > Keyboard.)
Show numbers, punctuation, or symbols	Tap the Number 123 key. Tap the Symbol &#+= key to see additional punctuation and symbols.
Type letters or symbols that aren't on the keyboard	Touch and hold the related letter or symbol, then slide to choose a variation.

Dictionary

For many languages, iPod touch has dictionaries to help you type. The appropriate dictionary is activated automatically when you select a supported keyboard.

For a list of supported languages, see www.apple.com/ipodtouch/specs.html.

iPod touch uses the active dictionary to suggest corrections or complete the word you're typing. You don't need to interrupt your typing to accept the suggested word.



Accept or reject dictionary suggestions:

- *To reject the suggested word*, finish typing the word as you want it, then tap the "x" to dismiss the suggestion before typing anything else. Each time you reject a suggestion for the same word, iPod touch becomes more likely to accept your word.
- *To use the suggested word*, type a space, punctuation mark, or return character.

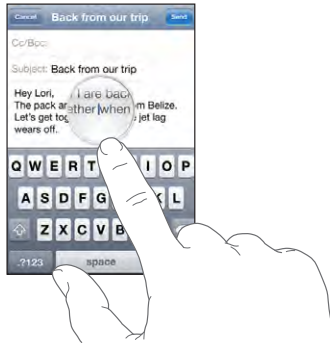
Turn Auto-Correction on or off: Choose General > Keyboard and turn Auto-Correction on or off. Auto-Correction is on by default.

Note: If you're entering Chinese or Japanese, tap one of the suggested alternatives.

Editing

An onscreen magnifying glass helps you position the insertion point for typing and editing text. You can select text to cut, copy, and paste.

Position the insertion point: Touch and hold to bring up the magnifying glass, then drag to position the insertion point.



Select text: Tap the insertion point to display the selection buttons. Tap Select to select the adjacent word or tap Select All to select all text. When you're typing, you can also double-tap to select a word. In read-only documents, such as webpages or email you've received, touch and hold to select a word.

Drag the grab points to select more or less text.



Cut or copy text: Select text, then tap Cut or Copy.



Paste text: Tap the insertion point and tap Paste. The last text that you cut or copied is inserted. Or select text and tap Paste to replace the text.

Undo the last edit: Shake iPod touch and tap Undo.

International Keyboards

iPod touch provides keyboards that allow you to enter text in many different languages, including languages that read from right to left. For a complete list of supported keyboards, go to www.apple.com/ipodtouch/specs.html.

Turn international keyboards on or off:

- 1 In Settings, choose General > International > Keyboards.
- 2 Turn on the keyboards you want. Languages with more than one keyboard, such as Japanese and Chinese, indicate the number of keyboards available. Tap to choose a keyboard for that language.

Switch keyboards if more than one keyboard is turned on

Tap  to switch keyboards. When you tap the symbol, the name of the newly activated keyboard appears briefly.

Type letters, numbers, or symbols that aren't on the keyboard

Touch and hold the related letter, number, or symbol, then slide to choose a variation. On the Hebrew and Thai keyboards, for example, you can choose native numbers by touching and holding the related Arabic number.

Enter Japanese Kana

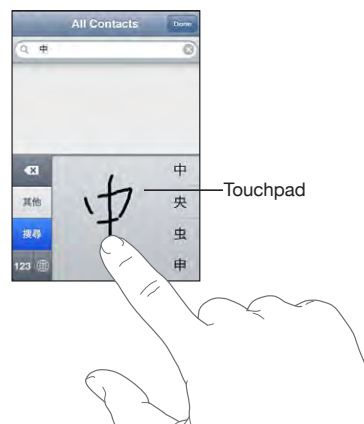
Use the Kana keypad to select syllables. For more syllable options, tap the arrow key and select another syllable or word from the window.

Enter Japanese QWERTY

Use the QWERTY keyboard to input code for Japanese syllables. As you type, suggested syllables appear. Tap the syllable to choose it.

Enter Korean	Use the 2-Set Korean keyboard to type Hangul letters. To type double consonants or compound vowels, touch and hold the letter, then slide to choose the double letter.
Enter Simplified or Traditional Chinese Pinyin	Use the QWERTY keyboard to enter Pinyin for Chinese characters. As you type, suggested Chinese characters appear. Tap a character to choose it, or continue entering Pinyin to see more character options.
Enter Traditional Chinese Zhuyin	Use the keyboard to enter Zhuyin letters. As you type, suggested Chinese characters appear. Tap a character to choose it, or continue entering Zhuyin to see more character options. After you type an initial letter, the keyboard changes to show more letters.
Enter handwritten Simplified or Traditional Chinese	Use the touchpad to enter Chinese characters with your finger. As you write character strokes, iPod touch recognizes them and shows matching characters in a list, with the closest match at the top. When you choose a character, its related characters appear in the list as additional choices. You can get some complex characters by entering two or more component characters. For example, enter 魚 (fish), then 鬚 (bristle), to get 鱘 (partial name of Hong Kong International Airport), which appears in the character list with an arrow next to it. Tap the character to replace the characters you entered.

When Simplified or Traditional Chinese handwriting formats are turned on, you can enter Chinese characters with your finger, as shown:



Searching

You can search many applications on iPod touch, including Mail, Calendar, Music, Video, Notes, and Contacts. You can search an individual application, or search all the applications at once using Spotlight.



Go to Spotlight: From the main page of the Home screen, flick left to right.

If you're on the main Home screen page, you can press the Home button to go to Spotlight. From the Spotlight page, press the Home button to return to the main Home screen page. You can also set iPod touch to go to Spotlight when you double-click the Home button. See "Home" on page 120.

Search iPod touch: On the Spotlight page, enter text in the Search field. Search results appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

Icons to the left of the search results let you know which application the results are from. Tap an item in the results list to open it.

Application	What's searched
Contacts	First, last, and company names
Mail	To, From, and Subject fields of all accounts (the text of messages isn't searched)
Calendar	Event titles, invitees, and locations (notes aren't searched)
Music and Video	Music (names of songs, artists, and albums) and the titles of podcasts, video, and audiobooks
Notes	Text of notes

Spotlight also searches the names of the native and installed applications on iPod touch, so if you have a lot of applications you may want to use Spotlight as a way to locate and open applications.

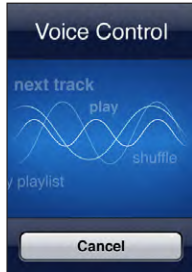
Open applications from Spotlight: Enter the application name, then tap to open the application directly from the search results.

Use the Search Results settings to choose which applications are searched and the order in which they're searched. See "Home" on page 120.

Voice Control

Voice Control (available only on Fall 2009 models with 32 GB or more) lets you control iPod music playback using voice commands.

Note: Requires included headset or compatible accessory with microphone. Voice Control isn't available in all languages.



Use Voice Control: Press and hold the Home button until the Voice Control screen appears and you hear a beep. You can also press and hold the center button on the iPod touch headset (or the equivalent button on your Bluetooth headset).

Use the following commands to play songs.

Control music playback	Say "play" or "play music." To pause, say "pause" or "pause music." You can also say "next song" or "previous song."
Play an album, artist, or playlist	Say "play," then say "album," "artist," or "playlist" and the name.
Shuffle the current playlist	Say "shuffle."
Find out more about the currently playing song	Say "what's playing," "what song is this," "who sings this song," or "who is this song by."
Use Genius to play similar songs	Say "Genius," "play more like this," or "play more songs like this."
Cancel Voice Control	Say "cancel" or "stop."

For best results:

- Speak clearly and naturally.
- Say only iPod touch commands and names. Pause slightly between commands.

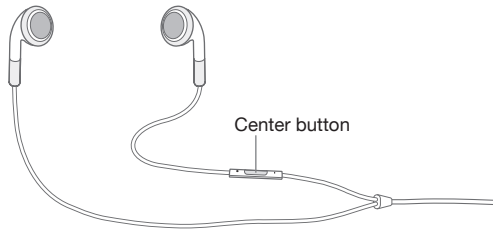
By default, Voice Control expects you to speak voice commands in the language that's set for iPod touch (the General > International > Language setting). The Voice Control settings let you change the language for speaking voice commands. Some languages are available in different dialects or accents.

Change language or country: In Settings, choose General > International > Voice Control and tap the language or country.

See “Using Voice Control with iPod” on page 46.

Stereo Headset

The headset included with Fall 2009 models with 32 GB or more (shown here) features a microphone, volume buttons, and an integrated button that allows you to control audio and video playback.



Plug in the headset to listen to music or record a voice memo using the built-in microphone. Press the center button to control music playback, even when iPod touch is locked. You can also use the equivalent button on your Bluetooth headset to control these functions.

Pause a song or video	Press the center button once. Press again to resume playback.
Skip to the next song	Press the center button twice quickly.
Adjust the volume	Press the + or – button.
Use Voice Control	Press and hold the center button. See “Voice Control” on page 33.

Bluetooth Headphones

You can use iPod touch with Bluetooth stereo headphones for wireless listening (not available on first-generation iPod touch).

Pairing Headphones with iPod touch

You must first pair your Bluetooth headphones with iPod touch before you can use them.

Pair Bluetooth headphones with iPod touch:

- 1 Follow the instructions that came with the headphones to make them discoverable.
- 2 In Settings, choose General > Bluetooth and turn Bluetooth on.
- 3 Select the headphones and, if prompted, enter the passkey or PIN number. See the instructions about the passkey or PIN that came with your headphones.

After you pair headphones with iPod touch, the product name and a Bluetooth audio  icon appear on the screen when you are viewing audio or video playback controls. Tap  to switch to a different audio output, such as the internal speaker.

Bluetooth Status

The Bluetooth icon appears in the iPod touch status bar at the top of the screen:

-  (blue) or  (white): Bluetooth is on and a device is connected to iPod touch. (The color depends on the current color of the status bar.)
-  (gray): Bluetooth is on but no device is connected. If you've paired a device with iPod touch, it may be out of range or turned off.
- *No Bluetooth icon*: Bluetooth is turned off.

Unpairing a Bluetooth Device from iPod touch

If you've paired iPod touch with one Bluetooth device and want to use another device instead, you must unpair the first device.

Unpair a Bluetooth device:

- 1 In Settings, choose General > Bluetooth and turn Bluetooth on.
- 2 Choose the device and tap "Forget this Device."

Connecting to the Internet

iPod touch connects to the Internet via Wi-Fi  networks. iPod touch can join AirPort and other Wi-Fi networks at home, at work, or at Wi-Fi hotspots around the world. When joined to a Wi-Fi network that is connected to the Internet, iPod touch connects to the Internet automatically whenever you use Mail, Safari, YouTube, Stocks, Maps, Weather, the App Store, or the iTunes Store.

Joining a Wi-Fi Network

The Wi-Fi settings let you turn on Wi-Fi and join Wi-Fi networks.

Turn on Wi-Fi: Choose Settings > Wi-Fi and turn Wi-Fi on.

Join a Wi-Fi network: Choose Settings > Wi-Fi, wait a moment as iPod touch detects networks in range, then select a network (fees may apply to join some Wi-Fi networks). If necessary, enter a password and tap Join (networks that require a password appear with a lock  icon).

Once you've joined a Wi-Fi network manually, iPod touch automatically connects to it whenever the network is in range. If more than one previously used network is in range, iPod touch joins the one last used.

When iPod touch is connected to a Wi-Fi network, the Wi-Fi  icon in the status bar at the top of the screen shows the connection strength. The more bars you see, the stronger the connection.

For information about configuring Wi-Fi settings, see “Wi-Fi” on page 115.

VPN Access

VPN (virtual private network) provides secure access over the Internet to private networks, such as the network at your company or school. Use Network settings to configure and turn on VPN. See “Network” on page 117.

VPN can also be automatically set up by a configuration profile. See “Installing Configuration Profiles” on page 15. When VPN is set up by a configuration profile, iPod touch may turn on VPN automatically whenever it’s needed. Contact your system administrator for more information.

Battery

iPod touch has an internal rechargeable battery. The battery isn’t user accessible and should only be replaced by an authorized service provider.

Charging the Battery

WARNING: For important safety information about charging iPod touch, see the *Important Product Information Guide* at www.apple.com/support/manuals/ipodtouch.

The battery icon in the upper-right corner shows the battery level or charging status.



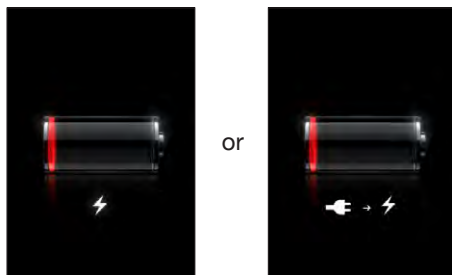
Charge the battery and sync iPod touch: Connect iPod touch to your computer using the included Dock Connector to USB Cable.



Important: The iPod touch battery may drain instead of charge if iPod touch is connected to a computer that’s turned off or is in sleep or standby mode.

If you charge the battery while syncing or using iPod touch, it may take longer to charge. You can also charge iPod touch using the Apple USB Power Adapter, available separately.

Important: If iPod touch is very low on power, it may display one of the following images, indicating that iPod touch needs to charge for up to ten minutes before you can use it. If iPod touch is extremely low on power, the display may be blank for up to two minutes before one of the low-battery images appears.



Maximizing Battery Life

iPod touch uses lithium-ion batteries. To learn more about how to maximize the lifespan and battery life of your iPod touch, go to www.apple.com/batteries.

Replacing the Battery

Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. The iPod touch battery isn't user replaceable; it can only be replaced by an authorized service provider. For more information, go to www.apple.com/support/ipod/service/battery.

Security Features

Security features help protect the information on iPod touch from being accessed by others.

You can set up a passcode that you must enter each time you turn on or wake up iPod touch.

Set a passcode: Choose General > Passcode Lock and enter a 4-digit passcode, then enter the passcode again to verify it. iPod touch then requires you to enter the passcode to unlock it or to display the passcode lock settings.

For additional information about using a passcode lock, see "Passcode Lock" on page 119.

The Find My iPhone feature helps you locate iPod touch if it's been lost or misplaced, and display a message on your iPod touch to help someone return it to you. It includes Remote Wipe, which lets you erase all your information on iPod touch in case you don't recover it. The Remote Passcode Lock feature lets you remotely lock your iPod touch and create a new or replacement 4-digit passcode.

Find My iPhone requires a MobileMe account. MobileMe is an online service, available by subscription. Go to www.apple.com/mobileme for more information.

To enable this feature, turn on Find My iPod touch in your MobileMe account settings. See "Setting Up Accounts" on page 13.

Find your iPod touch: Log in to your MobileMe account at www.me.com and go to the Find My iPhone pane. Follow the onscreen instructions to locate your device on a map and display a message on its screen along with an optional sound to help you find it.

Remotely wipe information on your iPod touch: Log in to your MobileMe account at www.me.com, then go to the Find My iPhone pane. Click "Remote Wipe..." and follow the onscreen instructions.

A remote wipe is equivalent to the "Erase all content and settings" feature in Settings. It resets all settings to their defaults and erases all your information and media. See "Resetting iPod touch" on page 122.

Remotely lock your iPod touch: Log in to your MobileMe account at www.me.com, then go to the Find My iPhone pane. Click Remote Passcode Lock, and follow the onscreen instructions.

Cleaning iPod touch

To clean iPod touch, unplug all cables and turn off iPod touch (press and hold the Sleep/Wake button, then slide the onscreen slider). Then use a soft, slightly damp, lint-free cloth. Avoid getting moisture in openings. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia, or abrasives to clean iPod touch.

For additional information about handling iPod touch, see the *iPod touch Important Product Information Guide* at www.apple.com/support/manuals/ipodtouch.

Restarting and Resetting iPod touch

If something isn't working right, try restarting, force quitting an application, or resetting iPod touch.

Restart iPod touch: Press and hold the Sleep/Wake button until the red slider appears. Slide your finger across the slider to turn off iPod touch. To turn iPod touch back on, press and hold the Sleep/Wake until the Apple logo appears.

If you can't turn off iPod touch or if the problem continues, you may need to reset. A reset should be done only if turning iPod touch off and on doesn't resolve the problem.

Force quit an application: Press and hold the Sleep/Wake button on top of iPod touch for a few seconds until a red slider appears, and then press and hold the Home button until the application quits.

Reset iPod touch: Press and hold the Sleep/Wake button and the Home button at the same time for at least ten seconds, until the Apple logo appears.

For more troubleshooting suggestions, see Appendix A, "Troubleshooting," on page 150.



iPod touch syncs with iTunes on your computer to get songs, videos, and other content you've collected in your iTunes library. For information about adding music and other media to your iTunes library, open iTunes and choose Help > iTunes Help.

Getting Music, Video, and More

To get music, video, and other content onto iPod touch, you can set up iTunes on your computer to automatically sync content in your library, or you can manually manage the media you put on iPod touch.

Syncing Content from iTunes

You can transfer music, video, and more onto iPod touch by syncing content from iTunes. You can sync all of your media, or you can select specific songs, videos, podcasts, and iTunes U collections.

Set iTunes to sync iPod content automatically:

- 1 Connect iPod touch to your computer.
- 2 In iTunes, select iPod touch in the sidebar.
- 3 On the Music, Movies, TV Shows, Podcasts, and iTunes U tabs, select the content you want to sync to iPod touch. For example, you could set iTunes to sync selected music playlists and the three most recent episodes of your favorite video podcast.
- 4 Click Apply.

Important: If you delete an item from iTunes, it will also be deleted from iPod touch the next time you sync.

Only songs and videos encoded in formats that iPod touch supports are transferred to iPod touch. For information about which formats iPod touch supports, see “Song, Video, or Other Items Won’t Play” on page 153.

If there are more songs in your iTunes library than can fit on your iPod touch, iTunes offers to create a special playlist to sync with iPod touch. iTunes fills the playlist with random selections from your library. You can add or delete songs from the playlist and sync again.

If you listen to part of a podcast or audiobook, your place in the story is included if you sync the content with iTunes. If you started listening to the story on iPod touch, you can pick up where you left off using iTunes on your computer—or vice versa.

For more information about using iTunes to get music and other media onto your computer, see “What You Need” on page 7.

Manually Managing Content

The manually managing feature lets you choose just the music, video, and podcasts you want to have on iPod touch.

Set up iPod touch for manually managing content:

- 1 Connect iPod touch to your computer.
- 2 In iTunes, select iPod touch in the sidebar.
- 3 Click the Summary tab and select “Manually manage music and videos.”
- 4 Click Apply.

Add items to iPod touch: Drag a song, video, podcast, or playlist in your iTunes library to iPod touch (in the sidebar). Shift-click or Command-click (Mac) or Control-click (Windows) to select multiple items to add at the same time.

iTunes syncs the content immediately. If you deselect “Manually manage music and videos,” the content you added manually is removed from iPod touch the next time iTunes syncs content.

Remove items from iPod touch: With iPod touch connected to your computer, select the iPod touch icon in the iTunes sidebar. Click the disclosure triangle to the left of the icon to show the contents. Select a content area, such as Music or Movies, then select the items you want to delete and press the Delete key on the keyboard.

Removing an item from iPod touch doesn’t delete it from your iTunes library.

Purchasing and Downloading Content from the iTunes Store

You can use the iTunes Store on iPod touch to purchase and download songs, albums, TV shows, movies, music videos, and audiobooks directly to iPod touch. You can also stream and download audio and video podcasts, as well as iTunes U content. See “About the iTunes Store” on page 131.

Transferring Purchased Content to Another Computer

You can transfer content on iPod touch that was purchased using iTunes on one computer to an iTunes library on another authorized computer. The computer must be authorized to play content from your iTunes Store account. To authorize the computer, open iTunes on the computer and choose Store > Authorize Computer.

Transfer purchased content: Connect iPod touch to the other computer. iTunes asks if you want to transfer purchased content.

Converting Videos for iPod touch

You can add videos other than those purchased from the iTunes Store to iPod touch, such as videos you create in iMovie on a Mac, or videos you download from the Internet and then add to iTunes.

If you try to add a video from iTunes to iPod touch and a message says the video can't play on iPod touch, you can convert the video.

Convert a video to work with iPod touch: Select the video in your iTunes library and choose Advanced > "Create iPod or iPhone Version." Then add the converted video to iPod touch.

Music and Other Audio

The high-resolution Multi-Touch display makes listening to songs on iPod touch as much a visual experience as a musical one. You can scroll through your playlists, or use Cover Flow to browse through your album art.

You can listen to audio from the internal speaker (not available on first-generation iPod touch), headphones attached to the headphones port, or Bluetooth stereo headphones paired wirelessly. When headphones are attached or paired, no sound comes out of the speaker.

WARNING: For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/ipodtouch.

Playing Songs

Browse your collection: Tap Playlists, Artists, or Songs. Tap More to browse Albums, Audiobooks, Compilations, Composers, Genres, iTunes U, or Podcasts.

Browse Genius Mixes: Tap Genius. If Genius doesn't appear, you need to turn on Genius in iTunes 9 or later, and then sync iPod touch with iTunes. See "Using Genius on iPod touch" on page 48.

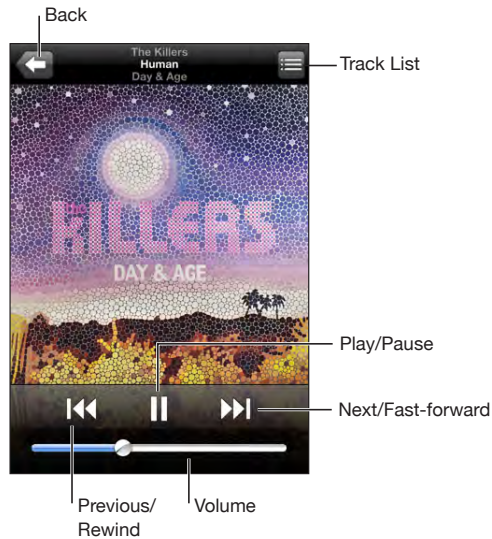
Play a song: Tap the song.

Shake to shuffle: Shake iPod touch to turn shuffle on and immediately change songs. Shake anytime to change to another song.

You can turn the “Shake to Shuffle” feature on or off in Settings > Music (it’s on by default). See “Music” on page 123.

Controlling Song Playback

When you play a song, the Now Playing screen appears.



Pause a song

Tap **II**, or press the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset.

Resume playback

Tap **▶**, or press the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset.

Raise or lower the volume

Drag the volume slider or use the buttons on the side of iPod touch. You can also use the volume buttons on the iPod touch headset (only on Fall 2009 models with 32 GB or more).

Restart a song or a chapter in an audiobook or podcast

Tap **◀◀**.

Skip to the next song or chapter in an audiobook or podcast	Tap ▶▶ , or press the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset twice quickly.
Go to the previous song or chapter in an audiobook or podcast	Tap ◀◀ twice, or press the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset three times quickly.
Rewind or fast-forward	Touch and hold ◀◀ or ▶▶ . The longer you hold the control, the faster the song rewinds or fast-forwards. On the iPod touch headset (included with Fall 2009 models with 32 GB or more), press the center button (or the equivalent button on your Bluetooth headset) twice quickly and hold to fast forward, or three times quickly and hold to rewind.
Return to the iPod browse lists	Tap  , or swipe to the right over the album cover.
Return to the Now Playing screen	Tap Now Playing.
Display a song's lyrics	Tap the album cover when playing a song. (Lyrics appear if you've added them to the song using the song's Info window in iTunes.)

You can display playback controls at any time when you're listening to music and using another application—or even when iPod touch is locked—by double-clicking the Home  button.

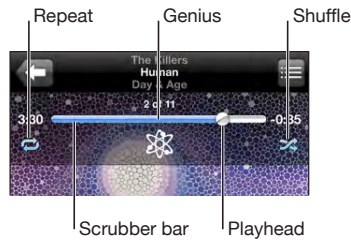
If you're using an application, the playback controls appear on top of the application. After using the controls, you can close them or tap Music to go to the Now Playing screen. If iPod touch is locked, the controls appear onscreen, then disappear automatically after you finish using them.

Additional Song Controls

From the Now Playing screen, tap the album cover.

The repeat, Genius, and shuffle controls appear along with the scrubber bar. You can see elapsed time, remaining time, and the song number. The song's lyrics also appear, if you've added them to the song in iTunes.

The scrubber bar lets you skip to any point along the timeline. You can adjust the scrub rate from high-speed to fine by sliding your finger down as you drag the playhead along the scrubber bar.



Set iPod touch to repeat songs

Tap . Tap again to set iPod touch to repeat only the current song.

= iPod touch is set to repeat all songs in the current album or list.

= iPod touch is set to repeat the current song over and over.

= iPod touch isn't set to repeat songs.

Skip to any point in a song

Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.

Make a Genius playlist

Tap , and the Genius playlist appears. See "Using Genius on iPod touch" on page 48.

Set iPod touch to shuffle songs

Tap . Tap again to set iPod touch to play songs in order.

= iPod touch is set to shuffle songs.

= iPod touch is set to play songs in order.

Shuffle the tracks in any playlist, album, or other list of songs

Tap Shuffle at the top of the list. For example, to shuffle all the songs on iPod touch, choose Songs > Shuffle.

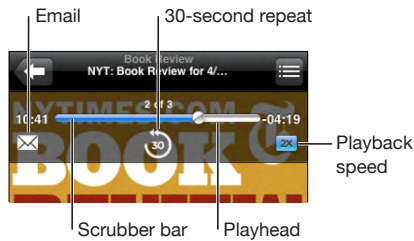
Whether or not iPod touch is set to shuffle, if you tap Shuffle at the top of a list of songs, iPod touch plays the songs from that list in random order.

Podcast and Audiobook Controls

From the Now Playing screen, tap the cover.

The email, 30-second repeat, and playback speed controls appear along with the scrubber bar. You can see elapsed time, remaining time, and the episode or chapter number.

The scrubber bar lets you skip to any point along the timeline. You can adjust the scrub rate from high-speed to fine by sliding your finger down as you drag the playhead along the scrubber bar.



Send an email link to this podcast	Tap  .
Skip to any point	Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.
Play back the last 30 seconds	Tap  .
Set the playback speed	Tap  . Tap again to change the speed.  = Play at double speed.  = Play at half speed.  = Play at normal speed.

Using Voice Control with iPod

You can use Voice Control (available only on Fall 2009 models with 32 GB or more) to control music playback on iPod touch.

Note: Requires included headset or compatible accessory with microphone. Voice Control isn't available in all languages.

Use Voice Control: Press and hold the Home  button until the Voice Control screen appears and you hear a beep. Then use the commands described below to play songs.

You can also press and hold the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset to bring up Voice Control.

Control music playback	Say "play" or "play music." To pause, say "pause" or "pause music." You can also say "next song" or "previous song."
Play an album, artist, or playlist	Say "play," then say "album," "artist," or "playlist" and the name.
Shuffle the current playlist	Say "shuffle."

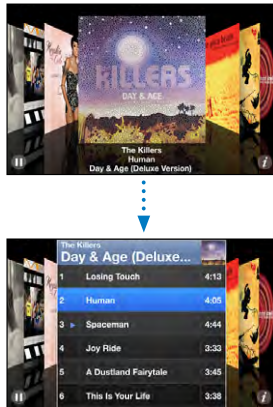
Find out more about the currently playing song	Say “what’s playing,” “what song is this,” “who sings this song,” or “who is this song by.”
Use Genius to play similar songs	Say “Genius,” “play more like this,” or “play more songs like this.”
Cancel Voice Control	Say “cancel” or “stop.”

Browsing Album Covers in Cover Flow

When you’re browsing music, you can rotate iPod touch sideways to see your iTunes content in Cover Flow and browse your music by album artwork.



Browse album covers	Drag or flick left or right.
See the tracks on an album	Tap a cover or ⓘ.



Play any track	Tap the track. Drag up or down to scroll through the tracks.
Return to the cover	Tap the title bar. Or tap ⓘ again.
Play or pause the current song	Tap ► or ⏸. You can also press the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset.

Viewing All Tracks on an Album

See all the tracks on the album that contains the current song: From the Now Playing screen tap . Tap a track to play it. Tap the album cover thumbnail to return to the Now Playing screen.



In track list view, you can assign ratings to songs. You can use ratings to create smart playlists in iTunes that dynamically update to include, for example, your highest rated songs.

Rate a song: Drag your thumb across the rating bar to give the song zero to five stars.

Searching Music

You can search the titles, artists, albums, and composers of songs, podcasts, and other content you've synced to iPod touch.



Search music: Enter text in the search field at the top of a song list, playlist, artist list, or other view of your iPod content. (Tap the status bar to scroll quickly to the top of a list and reveal the search field.)

Search results appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

You can also use Spotlight to search for music. See "Searching" on page 32.

Using Genius on iPod touch

Genius finds songs in your iTunes library that go great together. A Genius playlist is a collection of songs that are picked for you to go with a song you choose from your library. A Genius Mix is a selection of songs of the same kind of music. Genius Mixes are recreated each time you listen to them, so they're always new and fresh.

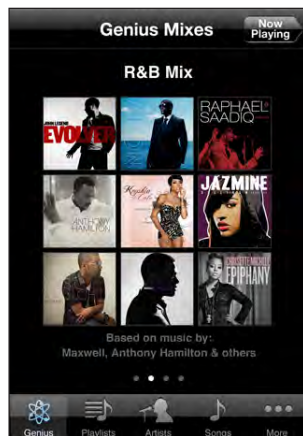
You can create Genius playlists in iTunes and sync them to iPod touch. You can also create and save Genius playlists directly on iPod touch.

Genius Mixes are created in iTunes. iTunes creates different mixes depending on the variety of music you have in your iTunes library. For example, you may have Genius Mixes that highlight R&B songs, or Alternative Rock songs.

To use Genius on iPod touch, first turn on Genius in iTunes, then sync iPod touch with iTunes. Genius Mixes are synced automatically, unless you manually manage your music and choose which mixes you want to sync in iTunes. Genius is a free service, but requires an iTunes Store account.

Genius Mixes require iTunes 9 or later. When you sync a Genius Mix, iTunes may select and sync songs from your library that you haven't otherwise chosen to sync.

Browse Genius Mixes: Tap Genius. The number of dots at the bottom of the screen shows the number of mixes you've synced from iTunes, and indicates which mix you're viewing. Flick left or right to access your other mixes.



Play a Genius Mix: Tap the mix or tap ►.

Make a Genius playlist on iPod touch:

- 1 Tap Playlists and tap Genius.
- 2 Tap a song in the list. Genius creates a playlist with additional songs that go great with that song.

You can also make a Genius playlist of songs that go great with the song you're playing. From the Now Playing screen, tap the album cover to display additional controls, then tap ⌘.

Save a Genius playlist: In the playlist, tap Save. The playlist is saved in Playlists with the title of the song you picked.

You can make and save as many Genius playlists as you want. If you save a Genius playlist created on iPod touch, it syncs back to iTunes the next time you connect.

Refresh a Genius playlist: In the playlist, tap Refresh.

Refreshing a playlist creates a playlist of different songs that go great with the song you picked. You can refresh any Genius playlist, whether it was created in iTunes and synced to iPod touch, or created directly on iPod touch.

Create a Genius playlist from a new song: In the playlist, tap New, then pick a new song.

Delete a saved Genius playlist: In a playlist that you saved directly on iPod touch, tap Edit, then tap Delete Playlist.

Once a Genius playlist is synced back to iTunes, you won't be able to delete it directly from iPod touch. You can use iTunes to edit the playlist name, stop syncing, or delete the playlist.

Making On-The-Go Playlists

Make an on-the-go playlist:

- 1 Tap Playlists and tap On-The-Go.
- 2 Browse for songs using the buttons at the bottom of the screen. Tap any song or video to add it to the playlist. Tap Add All Songs at the top of any list of songs to add all the songs in the list.
- 3 When you finish, tap Done.

When you make an on-the-go playlist and then sync iPod touch to your computer, the playlist is saved on iPod touch and in your iTunes library, then deleted from iPod touch. The first is saved as "On-The-Go 1," the second as "On-The-Go 2," and so on. To put a playlist back on iPod touch, select iPod touch in the iTunes sidebar, click the Music tab, and set the playlist to sync.

Edit an on-the-go playlist: Tap Playlists, tap On-The-Go, tap Edit, then do one of the following:

- To move a song higher or lower in the list, drag  next to the song.
- To delete a song from the playlist, tap  next to a song, then tap Delete. Deleting a song from the on-the-go playlist doesn't delete it from iPod touch.
- To clear the entire playlist, tap Clear Playlist.
- To add more songs, tap .

Videos

With iPod touch, you can view video content such as movies, music videos, and video podcasts. If a video contains chapters, you can skip to the next or previous chapter, or bring up a list and start playing at any chapter that you choose. If a video provides alternate language features, you can choose an audio language or display subtitles.

Playing Videos

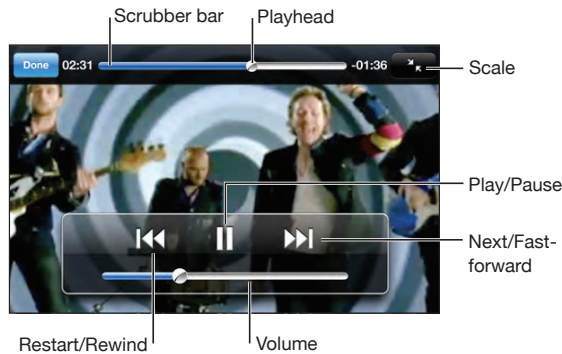
Play a video: Tap Videos and tap the video.

Display playback controls: Tap the screen to show the controls. Tap again to hide them.

Controlling Video Playback

Videos play in widescreen to take full advantage of the display.

The scrubber bar lets you skip to any point along the timeline. You can adjust the scrub rate by sliding your finger down as you drag the playhead along the scrubber bar.



Lovers in Japan by Coldplay is available in the iTunes Store

Pause a video

Tap **II**, or press the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset.

Resume playback

Tap **▶**, or press the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset.

Raise or lower the volume

Drag the volume slider. You can also use the volume buttons on the iPod touch headset (only on Fall 2009 models with 32 GB or more).

Start a video over

Drag the playhead on the scrubber bar all the way to the left, or tap **◀◀** if the video doesn't contain chapters.

Skip to the next chapter (if available)	Tap ▶▶ , or press the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset twice quickly.
Go to the previous chapter (if available)	Tap ◀◀ , or press the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset three times quickly.
Start playing at a specific chapter (if available)	Tap ≡ , then choose a chapter from the list.
Rewind or fast-forward	Touch and hold ◀◀ or ▶▶ .
Skip to any point in a video	Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.
Stop watching a video before it finishes playing	Tap Done. Or press the Home ⏏ button.
Scale a video to fill the screen or fit to the screen	Tap ⌕ to make the video fill the screen. Tap ⌕ to make it fit the screen. You can also double-tap the video to toggle between fitting and filling the screen. When you scale a video to fill the screen, the sides or top may be cropped from view. When you scale it to fit the screen, you may see black bars on the sides or above and below the video.
Select an alternate audio language (if available)	Tap 🗣 , then choose a language from the Audio list.
Show or hide subtitles (if available)	Tap 🗣 , then choose a language, or Off, from the Subtitles list.

Searching Video

You can search the titles of movies, TV shows, and video podcasts you've synced to iPod touch.



Search video: Enter text in the search field at the top of the list of videos.

Search results appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

Watching Rented Movies

You can rent movies in standard (480p) definition from the iTunes Store and watch them on iPod touch. You can download rented movies directly to iPod touch, or transfer them from iTunes on your computer to iPod touch. You can also transfer rented movies back to iTunes from iPod touch. (Rented movies aren't available in all regions.)

The movie must be fully downloaded before you can start watching. You can pause a download and resume it later. Rented movies expire after a certain number of days, and once you start a movie you have a limited amount of time to finish watching it. The time remaining appears near a movie's title. Movies are automatically deleted when they expire. Check the iTunes Store for the expiration time before renting a movie.

Transfer rented movies to iPod touch: Connect iPod touch to your computer. Then select iPod touch in the iTunes sidebar, click Movies, and select the rented movies you want to transfer. Your computer must be connected to the Internet.

View a rented movie: Choose Videos and select a movie.

Watching Videos on a TV

You can connect iPod touch to your TV and watch your videos on the large screen. Use the Apple Component AV Cable, Apple Composite AV Cable, or other authorized iPod touch compatible cable. You can also use these cables with the Apple Universal Dock to connect iPod touch to your TV. (The Apple Universal Dock includes a remote that lets you control playback from a distance.) Apple cables and docks are available for purchase separately in many countries. Go to www.apple.com/ipodstore (not available in all countries).

Deleting Videos from iPod touch

You can delete videos from iPod touch to save space.

Delete a video: In the videos list, swipe left or right over the video, then tap Delete.

When you delete a video (other than rented movies) from iPod touch, it isn't deleted from your iTunes library and you can sync the video back to iPod touch later. If you don't want to sync the video back to iPod touch, set iTunes to not sync the video. See "What You Need" on page 7.

Important: If you delete a rented movie from iPod touch, it's deleted permanently and cannot be transferred back to your computer.

Setting a Sleep Timer

You can set iPod touch to stop playing music or videos after a period of time.

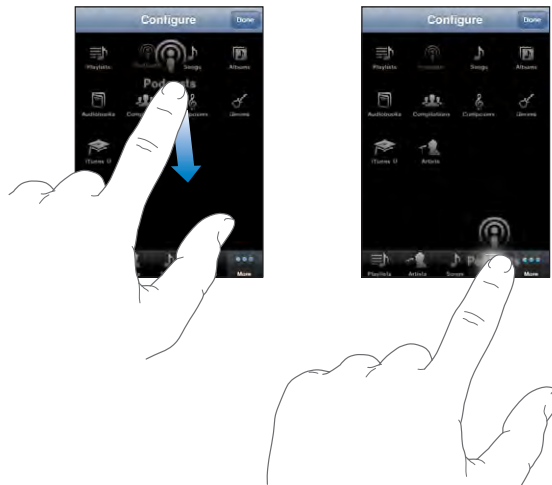
Set a sleep timer: From the Home screen choose Clock > Timer, then flick to set the number of hours and minutes. Tap When Timer Ends and choose Sleep iPod, tap Set, then tap Start to start the timer.

When the timer ends, iPod touch stops playing music or video, closes any other open application, and then locks itself.

Changing the Browse Buttons

You can replace the browse buttons at the bottom of the screen with buttons you use more frequently. For example, if you often listen to podcasts, you can replace the Songs button with Podcasts.

Change the browse buttons: Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. Tap Done when you finish. Tap More at any time to access the buttons you replaced.



Viewing Webpages

Safari lets you surf the web and view webpages on iPod touch in the same way as if you were on your computer. You can create bookmarks on iPod touch and sync bookmarks with your computer. Add web clips for quick access to your favorite sites directly from the Home screen.

To use Safari, iPod touch must join a Wi-Fi network that is connected to the Internet. See “Connecting to the Internet” on page 35.

You can view webpages in either portrait or landscape orientation. Rotate iPod touch and the webpage rotates too, automatically adjusting to fit the page.



Opening Webpages

Open a webpage: Tap the address field (on the left side of the title bar), then type the web address and tap Go. If the address field isn't visible, tap the status bar at the top of the screen to quickly scroll to the address field at the top of the webpage.

As you type, web addresses that start with those letters appear. These are bookmarked pages or recent pages you've opened. Tap an address to go to that page. Keep typing if you want to enter a web address that's not in the list.

Erase the text in the address field: Tap the address field, then tap ✕.

Zooming and Scrolling

Zoom in or out: Double-tap a column on a webpage to expand the column. Double-tap again to zoom out.



You can also pinch to zoom in or out manually.

Scroll around a webpage

Drag up, down, or sideways. When scrolling, you can touch and drag anywhere on the page without activating any links.

Scroll within a frame on a webpage

Use two fingers to scroll within a frame on a webpage. Use one finger to scroll the entire webpage.

Scroll quickly to the top of a webpage

Tap the status bar at the top of the iPod touch screen.

Navigating Webpages

Links on webpages typically take you to another place on the web.

Follow a link on a webpage: Tap the link.

Links on iPod touch can also display a location in Maps or create a preaddressed Mail message. To return to Safari after a link opens another application, press the Home  button and tap Safari.

See a link's destination address

Touch and hold the link. The address pops up next to your finger. You can touch and hold an image to see if it has a link.

Stop a webpage from loading

Tap ✕.

Reload a webpage

Tap .

Return to the previous or next page

Tap ◀ or ▶ at the bottom of the screen.

Return to a recently viewed page	Tap  and tap History. To clear the history list, tap Clear.
Send a webpage address via email	Tap  and tap "Mail Link to this Page."
Save an image or photo to your Photo Library	Touch and hold the image, then tap Save Image.

Opening Multiple Pages

You can have up to eight pages open at a time. Some links automatically open a new page instead of replacing the current one.

The number inside the pages  icon at the bottom of the screen shows how many pages are open. If there's no number inside, just one page is open. For example:

 = one page is open

 = three pages are open

Open a new page: Tap  and tap New Page.

Go to another page: Tap  and flick left or right. Tap the page you want to view.



Close a page: Tap  and tap . You can't close a page if it's the only one open.

Entering Text and Filling Out Forms

Some webpages have text fields and forms to fill out. You can set Safari to remember names and passwords of websites you visit and fill out text fields automatically with information from Contacts. See "Safari" on page 129.

Bring up the keyboard	Tap inside a text field.
Move to another text field	Tap another text field, or tap the Next or Previous button.
Submit a form	Once you finish filling out a form, tap Go or Search. Most pages also have a link you can tap to submit the form.
Close the keyboard without submitting the form	Tap Done.

Enable AutoFill to help you fill out web forms: In Settings, choose Safari > AutoFill, then do one of the following:

- *To use information from contacts*, turn Use Contact Info on, then choose My Info and select the contact you want to use.
Safari uses information from Contacts to fill in contact fields on web forms.
- *To use information from names and passwords*, turn Names & Passwords on.
When this feature is on, Safari remembers names and passwords of websites you visit and automatically fills in the information when you revisit the website.
- *To remove all AutoFill information*, tap Clear All.

Searching the Web

By default, Safari searches using Google. You can search using Yahoo!, instead.

Search the web:

- 1 Tap the search field (on the right side of the title bar).
- 2 Type a word or phrase that describes what you're looking for, then tap Google.
- 3 Tap a link in the list of search results to open a webpage.

Set Safari to search using Yahoo!: From the Home screen choose Settings > Safari > Search Engine, then choose Yahoo!.

Bookmarks

You can bookmark webpages you want to return to later.

Bookmark a webpage: Open the page and tap **+**. Then tap Add Bookmark.

When you save a bookmark you can edit its title. By default, bookmarks are saved at the top level of Bookmarks. Tap Bookmarks to choose another folder.

If you use Safari on a Mac, or Safari or Microsoft Internet Explorer on a PC, you can sync bookmarks with the web browser on your computer.

Sync bookmarks with your computer:

- 1 Connect iPod touch to your computer.
- 2 In iTunes, select iPod touch in the sidebar.
- 3 Click the Info tab, select “Sync ... bookmarks” under Web Browser, then click Apply.

See “Syncing” on page 9.

Sync bookmarks with MobileMe: In Settings on iPod touch, select Bookmarks in your MobileMe account. See “Setting Up Accounts” on page 13.

Open a bookmarked webpage: Tap , then choose a bookmark or tap a folder to see the bookmarks inside.

Edit a bookmark or bookmark folder: Tap , choose the folder that has the bookmark or folder you want to edit, then tap Edit. Then do one of the following:

- *To make a new folder*, tap New Folder.
- *To delete a bookmark or folder*, tap , then tap Delete.
- *To reposition a bookmark or folder*, drag .
- *To edit the name or address, or to put it in a different folder*, tap the bookmark or folder.

When you're finished, tap Done.

Web Clips

Add web clips to the Home screen for fast access to your favorite webpages. Web clips appear as icons on the Home screen, and you can arrange your web clips along with the other icons. See “iPod touch Applications” on page 19.

Add a web clip: Open the webpage and tap . Then tap “Add to Home Screen.”

When you open a web clip, Safari automatically zooms and scrolls to the area of the webpage that was displayed when you saved the web clip. The displayed area is also used to create the icon for the web clip on your Home screen, unless the webpage comes with its own custom icon.

When you add a web clip, you can edit its name. If the name is too long (more than about 10 characters), it may appear abbreviated on the Home screen.

Web clips aren't bookmarks, and aren't synced by MobileMe or iTunes.

Delete a web clip:

- 1 Touch and hold any icon on the Home screen until the icons start to wiggle.
- 2 Tap  in the corner of the web clip you want to delete.
- 3 Tap Delete, then press the Home  button to save your arrangement.



About the App Store

You can search for, browse, review, purchase, and download applications from the App Store directly to iPod touch. Applications you download and install from the App Store on iPod touch are backed up to your iTunes library the next time you sync iPod touch with your computer. You can also install applications you've purchased or downloaded through iTunes on your computer when you sync with iPod touch.

Note: The App Store is not available in all regions.

To use the App Store, iPod touch must join a Wi-Fi network that's connected to the Internet. See "Connecting to the Internet" on page 35. You also need an iTunes Store account (not available in some countries) to download applications. By default, iPod touch gets your iTunes Store account settings from iTunes. If you don't have an iTunes Store account, or if you want to make purchases from another iTunes Store account, go to Settings > Store. See "Store" on page 125.

Browsing and Searching

Browse the featured selections to see new, notable, or recommended applications, or browse Top 25 to see the most popular applications. If you're looking for a specific application, use Search.

Browse applications: Tap Featured, Categories, or Top 25. Choose a category, or choose a sorting method at the top of the screen to browse by lists such as New, What's Hot, Genius, Top Paid, or Top Free.



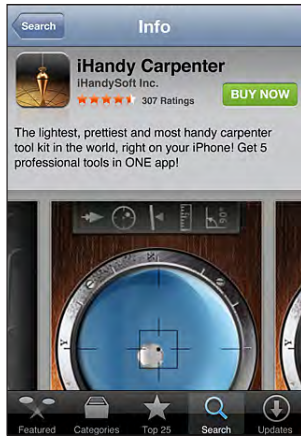
Browse using Genius: Tap Genius to see a list of recommended apps based on what's already in your app collection. To turn Genius on, follow the onscreen instructions. Genius is a free service, but it requires an iTunes Store account.

Search for applications: Tap Search, tap the search field and enter one or more words, then tap Search.



Info Screen

Tap any application in a list to see more information, such as the application's price, screenshots, ratings, and other information.



If you've already installed the application, "Installed" appears instead of the price on the Info screen.

Email a link to the application's Info page in iTunes: Tap "Tell a Friend" near the bottom of the Info screen.



View screenshots: Swipe left or right over a screenshot to view additional screenshot pages. Double-tap to zoom in.

Get ratings and read reviews: Tap Ratings near the bottom of the Info screen.

Report a problem: Tap "Report a Problem" near the bottom of the Info screen. Select a problem from the list or type optional comments, then tap Report.

Downloading Applications

When you find an application you want in the App Store, you can purchase and download it to iPod touch. If the application is free, you can download it without charge after providing your iTunes account information.

Once you download an application, it's immediately installed on iPod touch.

Purchase and download an application:

- 1 Tap the price (or tap Free), then tap Buy Now.
- 2 Sign in to your account as requested, then tap OK.

If you don't have an iTunes Store account, tap Create New Account to set one up.

Downloads for purchase are charged to your iTunes Store account. For additional downloads made within the next fifteen minutes, you don't have to enter your password again.

Some applications allow you to make purchases within the application. You can restrict in-app purchases in Settings. See "Restrictions" on page 119.

Some applications use push notifications to alert you of new information, even when the application isn't running. Notifications differ depending upon the application, but may include text or sound alerts, and a numbered badge on the application's icon on the Home screen. See "Notifications" on page 116.

You can redeem iTunes Store gift cards, gift certificates, or other promotional codes to make purchases. When you're signed in to your account, your remaining store credit appears with your account information at the bottom of most App Store screens.

Enter a redemption code: Tap Redeem near the bottom of the Featured screen, then follow the onscreen instructions.

See the status of downloading applications: After you begin downloading an application, its icon appears on the Home screen and shows a progress indicator.



If a download is interrupted, iPod touch starts the download again the next time it has an Internet connection. Or, if you open iTunes on your computer, iTunes completes the download to your iTunes library (if your computer is connected to the Internet and signed in to the same iTunes account).

Deleting Applications

You can delete applications you've installed from the App Store. If you delete an application, data associated with the application will no longer be available to iPod touch, unless you reinstall the application and restore its data from a backup.

You can reinstall an application and restore its data as long as you backed up iPod touch with iTunes on your computer. (If you try to delete an application that hasn't been backed up to your computer, an alert appears.) To retrieve the application data, you must restore iPod touch from a backup containing the data. See "Restoring from a Backup" on page 157.

Delete an App Store application:

- 1 Touch and hold any application icon on the Home screen until the icons start to wiggle.
- 2 Tap  in the corner of the application you want to delete.
- 3 Tap Delete, then press the Home  button to save your arrangement.

When you delete an application, its data is no longer accessible via the iPod touch user interface, but it isn't erased from your iPod touch. For information about erasing all content and settings, see "Erase All Content and Settings" in iPod touch settings. See "Resetting iPod touch" on page 122.

Writing Reviews

You can write and submit your own application reviews directly on iPod touch.

Write a review:

- 1 Tap Ratings near the bottom of the Info screen.
- 2 On the Reviews screen, tap "Write a Review."
- 3 Select the number of stars (1–5) for your rating of the application, and enter your nickname, a title for the review, and optional review comments. If you've written reviews before, the nickname field is already filled in. Otherwise, you're asked to create a reviewer nickname.
- 4 Tap Send.

You must be signed in to your iTunes Store account and have purchased or downloaded the item in order to submit reviews.

Updating Applications

Whenever you access the App Store, it checks for updates to applications you've installed. The App Store also automatically checks for updates every week. The App Store icon shows the total number of application updates available.



If an update is available and you access the App Store, the Updates screen appears immediately. Application updates are downloaded and automatically installed when you choose to update them. Application upgrades are new releases that can be purchased or downloaded through the App Store on iPod touch or the iTunes Store on your computer.

Update an application:

- 1 At the bottom of the screen, tap Updates.
- 2 Tap an application to see more information about the update.
- 3 Tap Update.

Update all applications: At the bottom of the screen, tap Updates, then tap Update All.

If you try to update an application purchased from a different iTunes Store account, you're prompted for that account's ID and password in order to download the update.

Syncing Purchased Applications

iTunes automatically syncs applications you've downloaded or purchased on iPod touch to your iTunes library when you connect iPod touch to your computer. This lets you access the downloads on your computer and provides a backup if you delete applications from iPod touch.

Downloaded applications are backed up the next time you sync with iTunes. Afterwards, only application data is backed up when you sync with iTunes.

Applications are synced to the Applications list in your iTunes library. iTunes creates the list if it doesn't exist.



Mail works with MobileMe, Microsoft Exchange, and many of the most popular email systems—including Yahoo! Mail, Google email, and AOL—as well as other industry-standard POP3 and IMAP email systems. You can send and receive embedded photos and graphics, and view PDFs and other attachments.

To download and send messages in Mail, iPod touch must join a Wi-Fi network that is connected to the Internet. See “Connecting to the Internet” on page 35.

Setting Up Email Accounts

You can set up email accounts on iPod touch in either of the following ways:

- Set up an account directly on iPod touch. See “Setting Up Accounts” on page 13.
- In iTunes, use the iPod touch preference panes to sync email accounts settings from your computer. See “Syncing” on page 9.

Sending Email

You can send an email message to anyone who has an email address.

Compose and send a message:

- 1 Tap
- 2 Type a name or email address in the To field, or tap to add a name from your contacts.

As you type an email address, matching email addresses from your contacts list appear below. Tap an address to add it. To add more names, tap Return or .

Note: If you’re composing a message from your Microsoft Exchange account and have access to your enterprise Global Address List (GAL), matching addresses from the contacts on iPod touch appear first, followed by matching GAL addresses.

- 3 Tap Cc/Bcc/From if you want to copy or blind copy the message to others, or change the account you send the message from. If you have more than one email account, you can tap the From field to change the account you're sending from.
- 4 Enter a subject, then your message.
You can tap Return to move from one field to another.
- 5 Tap Send.

Send a photo in an email message	In Photos, choose a photo, tap  , then tap Email Photo or Email Video. You can also copy and paste photos. The photo is sent using your default email account (see "Mail" on page 127).
Send a video in an email message	In Photos, choose a video, then touch and hold the video until the Copy command appears. Tap Copy. Go to Mail and create a new message. Tap to place an insertion point where you want the video, then tap the insertion point to display the edit commands and tap Paste. The video is sent using your default email account (see "Mail" on page 127).
Save a draft of a message to complete later	Tap Cancel, then tap Save. The message is saved in the Drafts mailbox.
Reply to a message	Tap  . Tap Reply to reply only to the sender or tap Reply All to reply to the sender and all recipients. Type your return message, then tap Send. Files or images attached to the initial message aren't sent back.
Forward a message	Open a message and tap  , then tap Forward. Add one or more email addresses, type your message, then tap Send. When you forward a message, you can include the files or images attached to the original message.
Share contact information	In Contacts, choose a contact, tap Share Contact at the bottom of the Info screen, then tap Email.

Checking and Reading Email

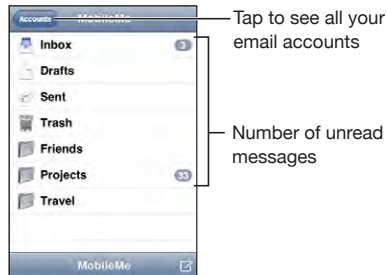
The Mail icon shows the total number of unread messages in all your inboxes. You may have other unread messages in other mailboxes.



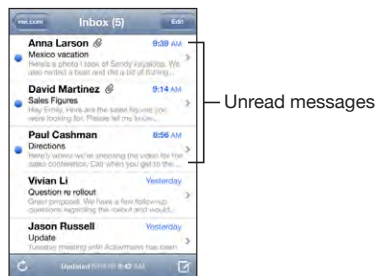
Number of unread emails in your inboxes

Check for new messages: Choose a mailbox or tap  at any time.

On each account screen, you can see the number of unread messages in each mailbox.



Tap a mailbox to see its messages. Unread messages have a blue dot  next to them.



When you open a mailbox, Mail loads the number of most recent messages specified in your Mail settings, if the messages haven't already been loaded automatically. (See "Mail" on page 127.)

Load additional messages: Scroll to the bottom of the list of messages and tap Load More Messages.

Read a message: Tap a mailbox, then tap a message. Within a message, tap  or  to see the next or previous message.

Zoom in on part of a message

Double-tap an area of the message to zoom in.
Double-tap again to zoom out.

Resize any column of text to fit the screen

Double-tap the text.

Resize a message manually

Pinch to zoom in or out.

Follow a link

Tap the link.

Text links are typically underlined and blue. Many images are also links. A link can take you to a webpage, open a map, or open a new preaddressed email message.

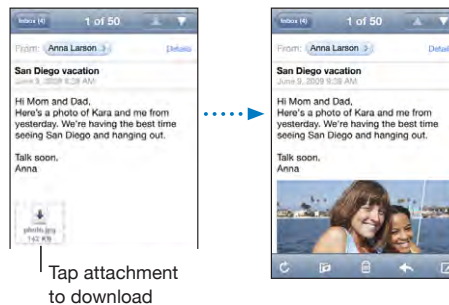
Web and map links open Safari or Maps on iPod touch. To return to your email, press the Home button and tap Mail.

See a link's destination address

Touch and hold the link. The address is displayed, and you can choose to open the link in Safari or copy the link address to the clipboard.

iPod touch displays picture attachments in many commonly used formats (JPEG, GIF, and TIFF) inline with the text in email messages. iPod touch can play many audio attachments (such as MP3, AAC, WAV, and AIFF). You can download and view files (such as PDF, webpage, text, Pages, Keynote, Numbers, and Microsoft Word, Excel, and PowerPoint documents) attached to messages you receive.

Open an attached file: Tap the attachment. It downloads to iPod touch and then opens.



You can view attachments in portrait or landscape orientation. If the format of an attached file isn't supported by iPod touch, you can see the name of the file but you can't open it. iPod touch supports the following document types:

.doc	Microsoft Word
.docx	Microsoft Word (XML)
.htm	webpage
.html	webpage
.key	Keynote
.numbers	Numbers
.pages	Pages

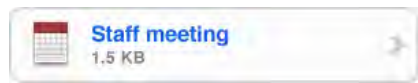
.pdf	Preview, Adobe Acrobat
.ppt	Microsoft PowerPoint
.pptx	Microsoft PowerPoint (XML)
.rtf	Rich Text Format
.txt	text
.vcf	contact information
.xls	Microsoft Excel
.xlsx	Microsoft Excel (XML)

Save an attached photo to your Saved Photos album: Tap the photo, then tap Save Image. If the photo hasn't been downloaded yet, tap the download notice first.

Save an attached video to your Saved Photos album: Touch and hold the attachment, then tap Save Video. If the video hasn't been downloaded yet, tap the download notice first.

See all the recipients of a message	Tap Details. Tap a name or email address to see the recipient's contact information. Then tap an email address to contact the person. Tap Hide to hide the recipients.
Add an email recipient to your contacts list	Tap the message and, if necessary, tap Details to see the recipients. Then tap a name or email address and tap Create New Contact or "Add to Existing Contact."
Mark a message as unread	Open the message and tap "Mark as Unread." A blue dot ● appears next to the message in the mailbox list until you open it again.

Open a meeting invitation: Tap the invitation.

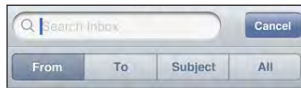


You can get contact information for the organizer and other attendees, set an alert, add notes to the event, and add comments that are included in your response emailed to the organizer. You can accept, tentatively accept, or decline the invitation. See "Responding to Meeting Invitations" on page 77.

Turn Push on or off: In Settings, choose "Mail, Contacts, Calendars" > Fetch New Data, then turn Push on or off.

Searching Email

You can search the To, From, and Subject fields of email messages. Mail searches the downloaded messages in the currently open mailbox. For MobileMe, Exchange, and some IMAP mail accounts, you can also search messages on the server.



Search email messages: Open a mailbox, scroll to the top, and enter text in the Search field. Tap From, To, Subject, or All (From, To, and Subject) to choose which fields you want to search. (Tap the status bar to scroll quickly to the top of the list and reveal the search field.)

Search results for the messages already downloaded to iPod touch appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

Search messages on the server: Tap "Continue Search on Server" at the end of the search results.

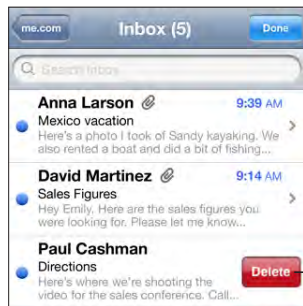
Note: Search results of messages on servers may vary depending on the type of account. Some servers may search only whole words.

Organizing Email

You can delete messages one at a time, or select a group to delete all at once. You can also move messages from one mailbox or folder to another.

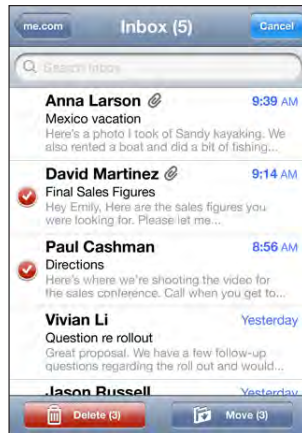
Delete a message: Open the message and tap .

You can also delete a message directly from the mailbox message list by swiping left or right over the message title, then tapping Delete.



To show the Delete button, swipe left or right over the message.

Delete multiple messages: When viewing a list of messages, tap Edit, select the messages you want to delete, then tap Delete.



Move a message to another mailbox or folder: When viewing a message, tap , then choose a mailbox or folder.

Move multiple messages: When viewing a list of messages, tap Edit, select the messages you want to move, then tap Move and select a mailbox or folder.



About Calendar

Calendar lets you view individual calendars for your different accounts or a combined calendar for all accounts. You can view your events in a continuous list, by day, or by month, and search events by title, invitee, or location.

You can sync iPod touch with the calendars on your computer. You can also make, edit, or cancel appointments on iPod touch, and have them synced back to your computer. You can subscribe to Google, Yahoo!, or Mac OS X iCal calendars using a CalDAV or iCalendar (.ics) account. If you have a Microsoft Exchange account, you can receive and respond to meeting invitations.

Syncing Calendars

You can sync Calendar in either of the following ways:

- In iTunes, use the iPod touch preference panes to sync with iCal or Microsoft Entourage on a Mac, or Microsoft Outlook 2003 or 2007 on a PC when you connect iPod touch to your computer. See “Syncing” on page 9.
- In Settings on iPod touch, select Calendar in your MobileMe or Microsoft Exchange accounts to sync your calendar information over the air. See “Setting Up Accounts” on page 13.

To sync calendars, iPod touch must join a Wi-Fi network that is connected to the Internet. See “Connecting to the Internet” on page 35.

Viewing Your Calendar

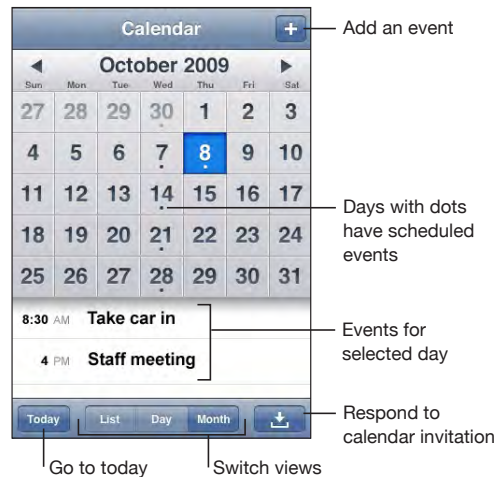
You can view individual calendars for your different accounts or a combined calendar for all accounts.

View a different calendar: Tap Calendars, then select a calendar. Tap All Calendars to view combined events from all calendars.

You can view your calendar events in a list, by day, or by month. The events for all of your synced calendars appear in the same calendar on iPod touch.

Switch views: Tap List, Day, or Month.

- *List view:* All your appointments and events appear in a scrollable list.
- *Day view:* Scroll up or down to see the events in a day. Tap ◀ or ▶ to see the previous or next day's events.
- *Month view:* Tap a day to see its events. Tap ◀ or ▶ to see the previous or next month.



See the details of an event: Tap the event.

Searching Calendars

You can search the titles, invitees, and locations of the events in your calendars. Calendar searches the calendar you're currently viewing, or all calendars if you're viewing them all.



Search events: In list view, enter text in the search field.

Search results appear automatically as you type. Tap Search to dismiss the keyboard and see more results.

Subscribing to and Sharing Calendars

You can subscribe to calendars that use the CalDAV or iCalendar (.ics) formats. Many calendar-based services, including Yahoo!, Google, and the Mac OS X iCal application, support either format.

Subscribed calendars are read only. You can read events from subscribed calendars on iPod touch, but can't edit them or create new events. You also can't accept invitations from CalDAV accounts.

Subscribe to a CalDAV or .ics calendar:

- 1 In Settings, choose "Mail, Contacts, Calendars," then tap Add Account.
- 2 Choose Other, then choose either Add CalDAV Account or Add Subscribed Calendar.
- 3 Enter your account information, then tap Next to verify the account.
- 4 Tap Save.

Apple provides links to a number of free iCal calendars—for national holidays or sports events, for example—that you may want to subscribe to. The calendars are automatically added to iCal on your desktop when you download them. You can then sync them to iPod touch as described in "Subscribing to and Sharing Calendars" on page 75. Go to www.apple.com/downloads/macosx/calendars.

You can also subscribe to an iCal (or other .ics) calendar published on the web by tapping a link to the calendar you receive in an email message on iPod touch.

Adding Calendar Events to iPod touch

You can also enter and edit calendar events directly on iPod touch.

Add an event: Tap **+** and enter event information, then tap Done.

You can enter any of the following:

- Title
- Location
- Starting and ending times (or turn on All-day if it's an all-day event)
- Repeat times—none, or every day, week, two weeks, month, or year
- Alert time—from five minutes to two days before the event

When you set an alert, the option to set a second alert appears. When an alert goes off, iPod touch displays a message. You can also set iPod touch to play a sound (see “Alerts” on page 78).

Important: If you're traveling, iPod touch may not alert you at the correct local time. To manually set the correct time, see “Date and Time” on page 121.

- Notes

To select which calendar to add the event to, tap Calendar. Read-only calendars don't appear in the list.

Edit an event

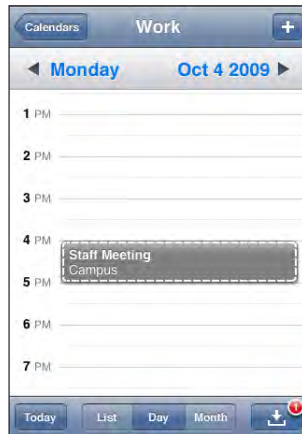
Tap the event, then tap Edit.

Delete an event

Tap the event, tap Edit, then scroll down and tap Delete Event.

Responding to Meeting Invitations

If you have a Microsoft Exchange account set up on iPod touch with Calendars enabled, you can receive and respond to meeting invitations from people in your organization. When you receive an invitation, the meeting appears in your calendar with a dotted line around it. The  icon in the lower-right corner of the screen indicates the total number of new invitations you have, as does the Calendar icon on the Home screen. To receive and respond to meeting invitations, iPod touch must join a Wi-Fi network that is connected to the Internet.



Number of meeting invitations

Respond to an invitation in Calendar:

- 1 Tap a meeting invitation in the calendar, or tap  to display the Event screen and tap an invitation.



- Tap "Invitation from" to get contact information for the meeting organizer. Tap the email address to send a message to the organizer.

- Tap Attendees to see the other people invited to the meeting. Tap a name to see an attendee's contact information. Tap the email address to send a message to the attendee.
- Tap Alert to set iPod touch to sound an alert before the meeting.
- Tap Add Comments to add comments in the email response to the meeting organizer. Your comments will also appear in your Info screen for the meeting.

Notes are made by the meeting organizer.

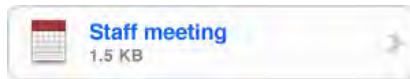
2 Tap Accept, Maybe, or Decline.

When you accept, tentatively accept, or decline the invitation, a response email that includes any comments you added is sent to the organizer.

If you accept or tentatively accept the meeting, you can change your response later. Tap Add Comments if you want to change your comments.

Exchange meeting invitations are also sent in an email message, which lets you open the meeting's Info screen from Mail.

Open a meeting invitation in an email message: Tap the invitation.



Alerts

Set calendar alerts: In Settings, choose General > Sounds, then turn Calendar Alerts on. If Calendar Alerts is off when an event is about to occur, iPod touch displays a message but makes no sound.

Sound alerts for invitations: In Settings, choose "Mail, Contacts, Calendar." Under Calendars, tap New Invitation Alert to turn it on.



About Photos

iPod touch lets you carry photos and videos with you, so you can share them with your family, friends, and associates. You can sync photos and videos (Mac only) from your computer, and use photos as wallpaper. You can also send photos and videos in email messages, and upload photos to MobileMe galleries.

Syncing Photos and Videos with Your Computer

iTunes can sync your photos and videos (Mac only) with the following applications:

- *Mac*: iPhoto 4.0.3 or later, or Aperture
- *PC*: Adobe Photoshop Elements 3.0 or later

See “Syncing with iTunes” on page 9.

iPod touch supports H.264 and MPEG-4 video formats, with AAC audio. If you are having trouble syncing a video to iPod touch, you might be able to use iTunes to create an iPod touch version of the video.

Create an iPod touch version of a video:

- 1 Copy the video to your iTunes library.
- 2 In iTunes, select Movies in the Library list and select the video you want to sync.
- 3 Choose Advanced > “Create iPod or iPhone Version.”

For additional information, go to support.apple.com/kb/HT1211.

Viewing Photos and Videos

Photos and videos (Mac only) synced from your computer’s photo application or saved from an email message can be viewed in Photos.

View photos and videos:

- 1 In Photos, tap a photo album.
- 2 Tap a thumbnail to see the photo or video in full screen.

Show or hide the controls: Tap the full-screen photo or video to show the controls. Tap again to hide the controls.



Play a video: Tap ► in the center of the screen.

To replay a video, tap ► at the bottom of the screen. If you don't see ►, tap the screen to show the controls.

View a photo or video in landscape orientation: Rotate iPod touch sideways. The photo or video reorients automatically and, if it's in landscape format, expands to fit the screen.



Zoom in on part of a photo: Double-tap where you want to zoom in. Double-tap again to zoom out. You can also pinch to zoom in or out.



View video in full screen, or fit video to screen: Double tap the screen to scale the video to fill the screen. Double-tap again to fit the video to the screen.

Pan around a photo: Drag the photo.

See the next or previous photo or video: Flick left or right. Or tap the screen to show the controls, then tap ➡ or ⬅.



Slideshows

You can view photo albums as slideshows, complete with background music.

View a photo album as a slideshow: Tap an album, then tap ►.

Videos play automatically when they appear during the slideshow.

Stop a slideshow: Tap the screen.

Set slideshow settings: In Settings, choose Photos and set the following options:

- *To set the length of time each slide is shown,* tap Play Each Slide For and choose a time.
- *To set transition effects when moving from photo to photo,* tap Transition and choose a transition type.
- *To set whether slideshows repeat,* turn Repeat on or off.
- *To set whether photos and videos are shown in random order,* turn Shuffle on or off.

Play music during a slideshow: In iPod, play a song, then choose Photos from the Home screen and start a slideshow.

Sharing Photos and Videos

You can send photos and videos in email messages, and add photos to MobileMe galleries. You can also copy and paste photos and videos, save photos and videos from email messages to Photos, and save images from webpages to Photos.

Sending a Photo or Video in an Email Message

Send a photo: Choose a photo and tap , then tap Email Photo.

If you don't see , tap the screen to show the controls.

Paste a video in an email message:

- 1 Touch and hold a video until the Copy command appears.
- 2 Tap Copy.
- 3 Go to Mail and create a new message.
- 4 Tap to place an insertion point where you want to place the video, then tap the insertion point to display the edit commands.
- 5 Tap Paste.

If necessary, iPod touch may compress the photo.

Copying and Pasting Photos and Videos

You can copy a photo or video from Photos and paste it to an email message. Some third-party applications may also support copying and pasting photos and videos.

Copy a photo or video: Hold your finger on the screen until the Copy button appears, then tap Copy.

Paste a photo or video: Tap to place an insertion point where you want to place the photo or video, then tap the insertion point and tap Paste.

Adding a Photo to a MobileMe Gallery

If you have a MobileMe account, you can add photos directly from iPod touch to a gallery you've created. You can also add photos to someone else's MobileMe gallery if that person has enabled email contributions.

Before you can add photos to a gallery in your MobileMe account, you must:

- Set up your MobileMe account on iPod touch
- Publish a MobileMe gallery, and allow adding photos via email or iPod touch
- Join a Wi-Fi network that's connected to the Internet

For more information about creating a gallery and adding photos to it, see MobileMe Help.

Add a photo to your gallery: Choose a photo and tap , then tap "Send to MobileMe." Enter a title and description, if you like, then select the album to add the photo to and tap Publish.

If you don't see , tap the screen to show the controls.

iPod touch tells you when the photo has been published, and gives you options to view it on MobileMe or email a link to a friend.

Adding a photo to someone else's gallery: Choose a photo and tap , then tap "Email Photo." Enter the album's email address, then click Send.

Saving Photos and Videos from Email Messages and Webpages

Save a photo in an email message to your Saved Photos album: Tap the photo, then tap Save Image. If the photo hasn't been downloaded yet, tap the download notice first.

Save a video in an email message to your Saved Photos album: Touch and hold the attachment, then tap Save Video. If the video hasn't been downloaded yet, tap the download notice first.

Save a photo on a webpage to your Saved Photos album: Touch and hold the photo, then tap Save Image.

You can download the photos and videos in your Saved Photos album to your computer's photo application by connecting iPod touch to your computer.

Assigning a Photo to a Contact

You can assign a photo to a contact.

Assign a photo to a contact:

- 1 Choose any photo on iPod touch and tap .
- 2 Tap "Assign to Contact" and choose a contact.
- 3 Position and size the photo until it looks the way you want.
Drag the photo to pan, and pinch to zoom in or out.
- 4 Tap Set Photo.

You can also assign a photo to a contact in Contacts by tapping Edit and then tapping the picture icon.

Wallpaper

You see a wallpaper background picture as you unlock iPod touch.

Set a photo as wallpaper:

- 1 Choose any photo and tap , then tap Use As Wallpaper.
- 2 Drag the photo to pan, or pinch the photo to zoom in or out, until it looks the way you want.
- 3 Tap Set Wallpaper.

You can also choose from several wallpaper pictures included with iPod touch by choosing Settings > Wallpaper > Wallpaper from the Home screen.



Adding Contacts

You can add contacts to iPod touch in the following ways:

- In iTunes, sync contacts from Google or Yahoo!, or sync with applications on your computer (see “Syncing” on page 9)
- Set up MobileMe or Microsoft Exchange accounts on iPod touch, with Contacts enabled (see “Setting Up Accounts” on page 13)
- Install a profile that sets up an Exchange account, with Contacts enabled (see “Installing Configuration Profiles” on page 15)
- Set up an LDAP account on iPod touch
- Enter contacts directly on iPod touch

The number of contacts you can add is limited only by the amount of memory on iPod touch.

Set up an LDAP account:

- 1 In Settings, tap “Mail Contacts, Calendars,” then tap Add Account.
- 2 Tap Other, then tap Add LDAP Account.
- 3 Enter your LDAP account information and tap Next to verify the account.
- 4 Tap Save.

When you set up an LDAP account, you can view and search for contacts on your company or organization’s LDAP server. The server appears as a new group in Contacts. Since LDAP contacts aren’t downloaded to iPod touch, you must have an Internet connection to view them. Check with your system administrator for specific account settings and other requirements (such as VPN).

Searching Contacts

You can search first, last, and company names in your contacts on iPod touch. If you have a Microsoft Exchange account set up on iPod touch, you may also be able to search your enterprise Global Address List (GAL) for contacts in your organization. If you have an LDAP account set up on iPod touch, you can search contacts on your organization's LDAP server.

When you enter search information, contacts with matching information appear immediately as you start to type.

Search contacts: In Contacts, tap the search field at the top of any list of contacts and enter a first, last, or company name. (To scroll quickly to the top of the list, tap the status bar.)

Search a GAL: Tap Groups, tap Directories at the bottom of the list, then enter a first, last, or company name.

You can't edit GAL contacts or save them to iPod touch.

Search an LDAP server: Tap Groups, tap the LDAP server name, then enter a first, last, or company name.

You can't edit LDAP contacts or save them to iPod touch.

Managing Contacts on iPod touch

Add a contact on iPod touch: Tap Contacts and tap .

Delete a contact	In Contacts, choose a contact, then tap Edit. Scroll down and tap Delete Contact.
Add a contact from the keypad	Tap Keypad, enter a number, then tap  . Tap Create New Contact and enter information, or tap "Add to Existing Contact" and choose a contact.
Edit contact information	In Contacts, choose a contact, then tap Edit. To add an item, tap  . To delete an item, tap  .
Enter a pause in a number	Tap  , then tap Pause. Pauses appear as commas when the number is saved.

Assign a photo to a contact:

- 1 Tap Contacts and choose a contact.
- 2 Tap Edit and tap Add Photo, or tap the existing photo.
- 3 Tap Choose Photo and choose a photo.
- 4 Drag and scale the photo as desired.
- 5 Tap Set Photo.



Finding and Viewing Videos

YouTube features short videos submitted by people from around the world.

To use some features on iPod touch, you need to sign in to a YouTube account when prompted. For information about requirements and how to get a YouTube account, go to www.youtube.com.

Note: YouTube isn't available in all languages and locations.

To use YouTube, iPod touch must join a Wi-Fi network that is connected to the Internet. See "Connecting to the Internet" on page 35.

Browse videos: Tap Featured, Most Viewed, or Favorites. Or tap More to browse by Most Recent, Top Rated, History, Subscriptions, or Playlists.

- *Featured:* Videos reviewed and featured by YouTube staff.
- *Most Viewed:* Videos most seen by YouTube viewers. Tap All for all-time most viewed videos, or Today or This Week for most-viewed videos of the day or week.
- *Favorites:* Videos you've added to Favorites. When you sign in to a YouTube account, account favorites appear and any existing favorites can be synced to your account.
- *Most Recent:* Videos most recently submitted to YouTube.
- *Top Rated:* Videos most highly rated by YouTube viewers. To rate videos, go to www.youtube.com.
- *History:* Videos you've viewed most recently.
- *Subscriptions:* Videos from YouTube accounts to which you've subscribed. You must be signed in to a YouTube account to use this feature.
- *Playlists:* Videos you've added to playlists. You must be signed in to a YouTube account to use this feature.

Search for a video:

- 1 Tap Search, then tap the YouTube search field.
- 2 Type a word or phrase that describes what you're looking for, then tap Search.

YouTube shows results based on video titles, descriptions, tags, and user names. Listed videos show title, rating, number of views, length, and the account name that posted the video.

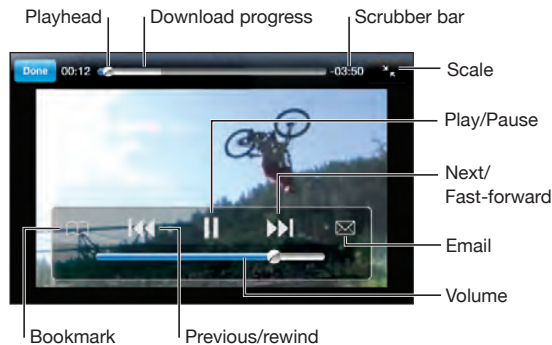
Play a video: Tap the video.

The video begins to download to iPod touch and a progress bar appears. When enough of the video has downloaded, it begins to play. You can also tap ► to start the video.

Controlling Video Playback

When a video starts playing, the controls disappear so they don't obscure the video.

Show or hide the video controls: Tap the screen.



Play or pause a video

Tap ► or ||. You can also press the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset.

Adjust the volume

Drag the volume slider, or use the volume buttons on the side of iPod touch. You can also use the volume buttons on the iPod touch headset (only on Fall 2009 models with 32 GB or more).

Start a video over

Tap ◀◀.

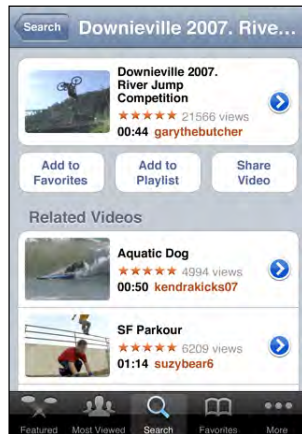
Skip to the next or previous video in a list

Tap ◀◀ twice to skip to the previous video. Tap ▶▶ to skip to the next video.

Rewind or fast-forward	Touch and hold ⏮ or ⏭.
Skip to any point in a video	Drag the playhead along the scrubber bar.
Stop watching a video before it finishes playing	Tap Done, or press the Home □ button.
Toggle between scaling a video to fill the screen or fit to the screen	Double-tap the video. You can also tap  to make the video fill the screen, or tap  to make it fit the screen.
Add a video to Favorites using video controls	Start playing a video and tap  .
Email a link to the video using video controls	Start playing a video and tap  .

Managing Videos

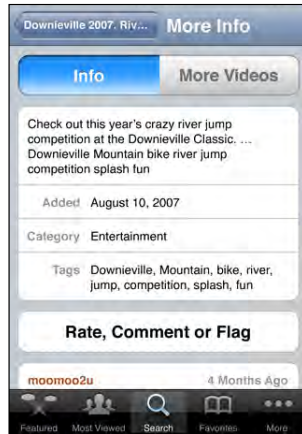
Tap  next to a video to see related videos and more controls for managing videos.



Add the video to Favorites	Tap “Add to Favorites.”
Add the video to a playlist	Tap “Add to Playlist,” then select an existing playlist or tap  to create a new playlist.
Email a link to the video	Tap Share Video.
Browse and view related videos	Tap a video in the list of related videos to view, or tap  next to a video for more information.

Getting More Information

Tap  next to the video to show the video's comments, description, date added, and other information.



Rate the video or add a comment

On the More Info screen, tap “Rate, Comment, or Flag,” then choose “Rate or Comment.” You must be signed in to a YouTube account to use this feature.

See more videos from this account

On the More Info screen, tap More Videos.

Subscribe to this YouTube account

On the More Info screen, tap More Videos, then tap “Subscribe to <account>” at the bottom of the video list. You must be signed in to a YouTube account to use this feature.

Using YouTube Account Features

If you have a YouTube account, you can access account features such as subscriptions, comments and ratings, and playlists. To create a YouTube account, go to www.youtube.com.

Show favorites you’ve added to your account: In Favorites, tap Sign In, then enter your username and password to see your account favorites. Any existing favorites you’ve added to iPod touch can be merged with your account favorites when you sign in.

Delete a favorite: In Favorites, tap Edit, tap  next to a video, then tap Delete.

Show subscriptions you’ve added to your account: In Subscriptions, tap Sign In, then enter your username and password to see your account subscriptions. Tap an account in the list to see all videos for that account.

Unsubscribe from a YouTube account: In Subscriptions, tap an account in the list, then tap Unsubscribe.

View playlists: In Playlists, tap a playlist to see the list of videos you've added. Tap any video in the playlist to begin playing videos from that point in the playlist.

Edit a playlist: In Playlists, tap Edit, then do one of the following:

- *To delete the entire playlist,* tap  next to a playlist, then tap Delete.
- *To create a new playlist,* tap , then enter a name for the playlist.

Add a video to a playlist: Tap  next to a video, then tap “Add to Playlist” and choose a playlist.

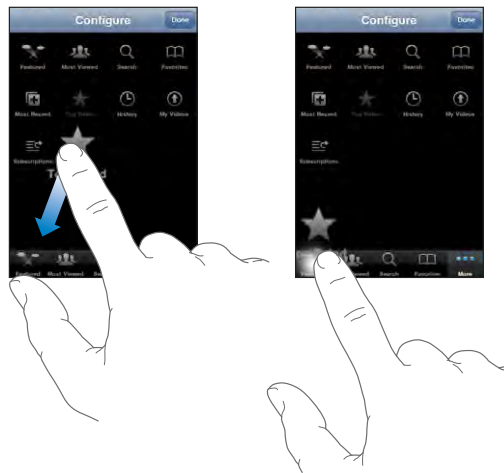
Delete a video from a playlist:

- 1 In Playlists, tap a playlist, then tap Edit.
- 2 Tap  next to a playlist, then tap Delete.

Changing the Browse Buttons

You can replace the Featured, Most Viewed, Bookmarks, and Search buttons at the bottom of the screen with ones you use more frequently. For example, if you watch top rated videos often but don't watch many featured videos, you could replace the Featured button with Top Rated.

Change the browse buttons: Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. When you finish, tap Done.

When you're browsing for videos, tap More to access the browse buttons that aren't visible.



Viewing Stock Quotes

Stocks lets you see the latest available quotes for your selected stocks, funds, and indexes. To use Stocks, iPod touch must join a Wi-Fi network that is connected to the Internet. See “Connecting to the Internet” on page 35.

Quotes are updated every time you open Stocks when connected to the Internet. Quotes may be delayed by up to 20 minutes or more depending upon the reporting service.

Add a stock, fund, or index to the stock reader:

- 1 Tap ⓘ, then tap +.
- 2 Enter a symbol, company name, fund name, or index, then tap Search.
- 3 Select an item from the search results and tap Done.

View charts in landscape orientation: Rotate iPod touch sideways. Flick left or right to view the other charts in your stock reader.

Show the progress of a stock, fund, or index over time: Tap the stock, fund, or index in your list, then tap 1d, 1w, 1m, 3m, 6m, 1y, or 2y. The chart adjusts to show progress over one day, one week, one month, three months, six months, one year, or two years.

When you're viewing a chart in landscape orientation, you can touch the chart to display the value for a specific point in time.



Use two fingers to see the change in value over a specific period of time.



Delete a stock: Tap ⓘ and tap ⓧ next to a stock, then tap Delete.

Change the order of the list: Tap ⓘ. Then drag ≡ next to a stock or index to a new place in the list.

Switch the display to percentage change, price change, or market capitalization:

Tap any of the values along the right side of the screen. Tap again to switch to another view. Or tap ⓘ and tap %, Price, or Mkt Cap, then tap Done.

Getting More Information

See the summary, chart, or news page about a stock, fund, or index: Select the stock, fund, or index in your list, then flick the pages underneath the stock reader to view the summary, chart, or recent news page.

On the news page, you can scroll up and down to read headlines, or tap a headline to view the article in Safari.

See more information at Yahoo.com: Select the stock, fund, or index in your list, then tap 🌐!.



Finding and Viewing Locations

WARNING: For important information about driving and navigating safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/ipodtouch.

Maps provides street maps, satellite photos, a hybrid view, and street views of locations in many of the world's countries. You can get detailed driving, public transit, or walking directions and traffic information. Find your current (approximate) location, and use your current location to get driving directions to or from another place.

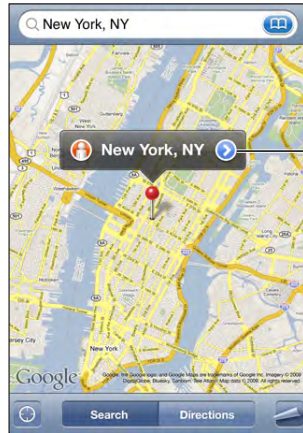
To use Maps, iPod touch must join a Wi-Fi network that is connected to the Internet. See “Connecting to the Internet” on page 35.

Important: Maps, directions, and location-based applications provided by Apple depend on data collected and services provided by third parties. These data services are subject to change and may not be available in all geographic areas, resulting in maps, directions, or location-based information that may be unavailable, inaccurate, or incomplete. Compare the information provided on iPod touch to your surroundings and defer to posted signs to resolve any discrepancies. In order to provide your location, data is collected in a form that doesn't personally identify you. If you don't want such data collected, don't use the feature. Not using this feature won't impact the non-location-based functionality of your iPod touch.

Find a location and see a map:

- 1 Tap the search field to bring up the keyboard.
- 2 Type an address, intersection, area, landmark, bookmark, contact, or zip code.
- 3 Tap Search.

A pin marks the location. Tap the pin to see the name or description of the location.



Tap  to get information about the location, get directions, add the location to your bookmarks or contacts list, or email a link to Google Maps.

Locations can include places of interest added by Google My Maps users (“User-created content”), and sponsored links that appear as special icons (for example, ).

Zoom in to a part of a map

Pinch the map with two fingers. Or double-tap the part you want to zoom in on. Double-tap again to zoom in even closer.

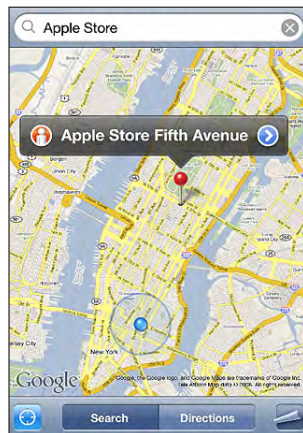
Zoom out

Pinch the map. Or tap the map with two fingers. Tap with two fingers again to zoom out further.

Pan or scroll to another part of the map

Drag up, down, left, or right.

Find your current location: Tap .



Your current (approximate) location is indicated by a blue marker. If your location can't be determined precisely, a blue circle also appears around the marker. The size of the circle depends on how precisely your location can be determined—the smaller the circle, the greater the precision.

If you drag the map and tap  again, iPod touch centers the map back to your approximate location.

iPod touch uses Location Services to determine your location. Location Services uses available information from local Wi-Fi networks (if you have Wi-Fi turned on). This feature isn't available in all areas.

If Location Services is turned off, you'll be prompted to turn it on. You can't find your current location if Location Services is turned off. See "Location Services" on page 118.

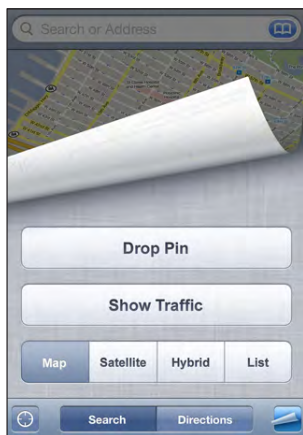
To conserve battery life, turn Location Services off when you're not using it. In Settings, choose General > Location Services.

Get information about your current location: Tap the blue marker, then tap . iPod touch displays the address of your current location, if available. You can use this information to:

- Get directions
- Add the location to contacts
- Send the address via email
- Bookmark the location

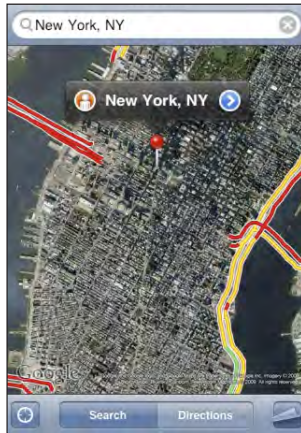
Use the dropped pin: Tap , then tap Drop Pin.

A pin drops down on the map, which you can then drag to any location you choose.



Replace the pin: Tap , then tap Replace Pin. iPod touch drops the pin in the area you're currently viewing.

See a satellite or hybrid view: Tap , then tap Satellite or Hybrid to see just a satellite view or a combined street map and satellite view.



To return to map view, tap Map.

See the Google Street View of a location: Tap . Flick left or right to pan through the 360° panoramic view. (The inset shows your current view.) Tap an arrow to move down the street.



Tap to return to map view

To return to map view, tap the map inset in the lower-right corner. Street View isn't available in all areas.

See the location of someone's address in your contacts list	Tap  in the search field, then tap Contacts and choose a contact. To locate an address in this way, the contact must include at least one address. If the contact has more than one address, choose the one you want to locate. You can also find the location of an address by tapping the address directly in Contacts.
Add a location to your contacts list	Find a location, tap the pin that points to it, tap  next to the name or description, tap "Add to Contacts," then tap "Create New Contact" or "Add to Existing Contact."
Email a link to a Google Maps location	Find a location, tap the pin that points to it, tap  next to the name or description, then tap Share Location and tap Email.

Bookmarking Locations

You can bookmark locations that you want to find again later.

Bookmark a location: Find a location, tap the pin that points to it, tap  next to the name or description, then tap "Add to Bookmarks" at the bottom of the Info screen.

See a bookmarked location or recently viewed location: Tap  in the search field, then tap Bookmarks or Recents.

Getting Directions

You can get step-by-step directions for driving, taking public transit, or walking to a destination.

Get directions:

- 1 Tap Directions.
- 2 Enter starting and ending locations in the Start and End fields. By default, iPod touch starts with your current approximate location (if available). Tap  in either field to choose a location in Bookmarks (including your current approximate location and the dropped pin, if available), Recents, or Contacts.

For example, if a friend's address is in your contacts list, you can tap Contacts and tap your friend's name instead of having to type the address.

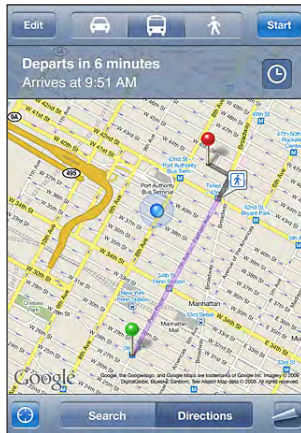
To reverse the directions, tap .

- 3 Tap Route (if you entered locations manually), then select driving () , public transit () , or walking () directions.

The travel options available depend on the route.

4 Do one of the following:

- To view directions one step at a time, tap Start, then tap ➡ to see the next leg of the trip. Tap ⬅ to go back.
- To view all the directions in a list, tap 📄, then tap List. Tap any item in the list to see a map showing that leg of the trip. Tap Route Overview to return to the overview screen.



If you're driving or walking, the approximate distance and travel time appear at the top of the screen. If traffic data is available, the driving time is adjusted accordingly.

If you're taking public transit, the overview screen shows each leg of the trip and the mode of transportation, including where you need to walk. The top of the screen shows the time of the bus or train at the first stop, the estimated arrival time, and the total fare. Tap ⌚ to set your departure or arrival time, and to choose a schedule for the trip. Tap the icon at a stop to see the departure time for that bus or train, and to get a link to the transit provider's website or contact info. When you tap Start and step through the route, detailed information about each leg of the trip appears at the top of the screen.

You can also get directions by finding a location on the map, tapping the pin that points to it, tapping ➡, then tapping Directions To Here or Directions From Here.

Switch start and end points, for reverse directions: Tap ↺.

If you don't see ↺, tap List, then tap Edit.

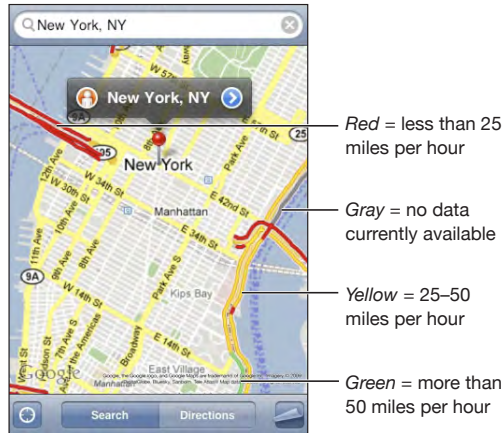
See recently viewed directions: Tap 📖 in the search field, then tap Recents.

Showing Traffic Conditions

When available, you can show highway traffic conditions on the map.

Show or hide traffic conditions: Tap , then tap Show Traffic or Hide Traffic.

Highways are color-coded according to the flow of traffic:



If you don't see color-coded highways, you may need to zoom out to a level where you can see major roads, or traffic conditions may not be available for that area.

Finding and Contacting Businesses

Find businesses in an area:

- 1 Find a location—for example, a city and state or country, or a street address—or scroll to a location on a map.
- 2 Type the kind of business in the text field and tap Search.

Pins appear for matching locations. For example, if you locate your city and then type “movies” and tap Search, pins mark movie theatres in your city.

Tap the pin that marks a business to see its name or description.

Find businesses without finding the location first: Type things like:

- restaurants san francisco ca
- apple inc new york

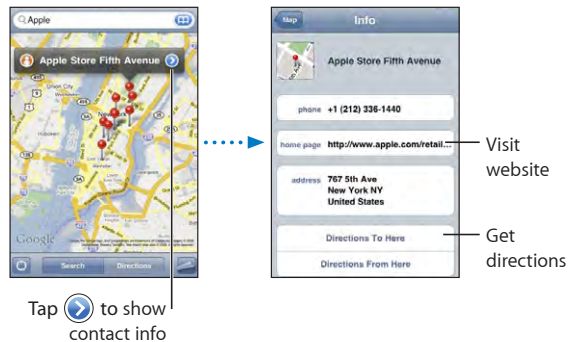
Contact a business or get directions: Tap the pin that marks a business, then tap ⓘ next to the name.

From there, you can do the following:

- Tap an email address to send email to, or a web address to visit.
- For directions, tap Directions To Here or Directions From Here.
- To add the business to your contacts list, scroll down and tap “Create New Contact” or “Add to Existing Contact.”
- Share the location of the business by email

See a list of the businesses found in the search: From the Map screen, tap List.

Tap a business to see its location. Or tap ⓘ next to a business to see its information.





Viewing Weather Summaries

Tap Weather from the Home screen to get the current temperature and six-day forecast for one or more cities around the world. To use Weather, iPod touch must join a Wi-Fi network that is connected to the Internet. See “Connecting to the Internet” on page 35.



If the weather board is light blue, it's daytime in that city—between 6:00 a.m. and 6:00 p.m. If the board is dark purple, it's nighttime—between 6:00 p.m. and 6:00 a.m.

Add a city:

- 1 Tap , then tap .
- 2 Enter a city name or zip code, then tap Search.
- 3 Choose a city in the search list.

Switch to another city: Flick left or right, or tap to the left or right of the row of dots. The number of dots below the weather board shows how many cities are stored.

Reorder cities: Tap , then drag  next to a city to a new place in the list.

Delete a city: Tap  and tap  next to a city, then tap Delete.

Display temperature in Fahrenheit or Celsius: Tap , then tap °F or °C.

Getting More Weather Information

You can see a more detailed weather report, news and websites related to the city, and more.

See information about a city at Yahoo.com: Tap .



Recording Voice Memos

Voice Memos lets you use iPod touch as a portable recording device (not available on first-generation iPod touch).

Important: To use Voice Memos on iPod touch, you must connect the Apple Earphones with Remote and Mic (included with Fall 2009 models with 32 GB or more) or a compatible accessory with microphone (such as Apple-branded earbuds or authorized third-party accessories marked with the Apple “Made for iPod” logo).

You can adjust the recording level by moving the microphone closer to or further away from what you’re recording. For better recording quality, the loudest level on the level meter should be between -3dB and 0 dB .



Record a voice memo:

- 1 Tap  to start recording. You can also press the center button on a compatible three-button headset with mic.
- 2 Tap  to pause or  to stop recording. You can also press the center button on a compatible three-button headset with mic to stop recording.

You can record in either mono or stereo depending upon the external microphone you use.

When you start a voice recording, iPod touch makes a shutter sound.

To use other applications while recording your voice memo, you can lock iPod touch or press the Home  button.

Play back a voice memo you just recorded: Tap .

Listening to Voice Memos



Play a voice memo you've previously recorded:

- 1 Tap .
- Memos are listed in chronological order, with the most recent memo first.
- 2 Tap a memo, then tap .
- Tap  to pause, then tap  again to resume playback.
- Skip to any point in a memo:** Drag the playhead along the scrubber bar.
- Listen through the built-in speaker:** Tap Speaker.

Managing Voice Memos

Delete a voice memo: Tap a memo in the list, then tap Delete.

See more information: Tap ⓘ next to the memo. The Info screen displays information about the length, recording time and date, and provides additional editing and sharing functions.



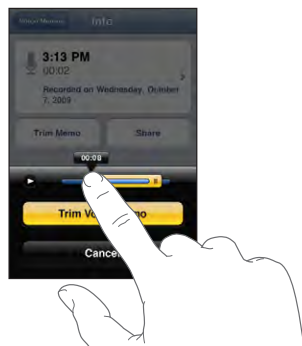
Add a label to a memo: On the Info screen tap ➤, then select a label in the list on the Label screen. To create a custom label, choose Custom at the bottom of the list, then type a name for the label.

Trimming Voice Memos

You can trim the beginning or ending of a voice memo to eliminate unwanted pauses or noise.

Trim a voice memo:

- 1 On the Voice Memos screen, tap ⓘ next to the memo you want to trim.
- 2 Tap Trim Memo.
- 3 Using the time markers as a guide, drag the edges of the audio region to adjust the beginning and end of the voice memo. To preview your edit, tap ▶.



- 4 Tap Trim Voice Memo.

Important: Edits you make to voice memos can't be undone.

Sharing Voice Memos

You can share your voice memos as attachments in email messages.

Share a voice memo:

- 1 On the Voice Memos screen or Info screen, tap Share.
- 2 Choose Email Voice Memo to open a new message in Mail with the memo attached.

A message appears if the file you're trying to send is too large.

Syncing Voice Memos

iTunes automatically syncs voice memos to your iTunes library when you connect iPod touch to your computer. This lets you listen to voice memos on your computer and provides a backup if you delete them from iPod touch.

Voice memos are synced to the Voice Memos playlist. iTunes creates the playlist if it doesn't exist. When you sync voice memos to iTunes, they remain in the Voice Memos application until you delete them. If you delete a voice memo on iPod touch, it isn't deleted from the Voice Memos playlist in iTunes. However, if you delete a voice memo from iTunes, it *is* deleted from iPod touch the next time you sync with iTunes.

You can sync the iTunes Voice Memos playlist to the Music application on iPod touch using the Music pane in iTunes.

Sync the Voice Memos playlist to iPod touch:

- 1 Connect iPod touch to your computer.
- 2 In iTunes, select iPod touch in the sidebar.
- 3 Select the Music tab.
- 4 Select the "Include voice memos" checkbox and click Apply.



Writing and Reading Notes

Notes are listed in the order of the last modified date, with the most recently modified note at the top. You can see the first few words of each note in the list. Rotate iPod touch to view notes in landscape orientation and type using a larger keyboard.

Add a note: Tap **+**, then type your note and tap Done.

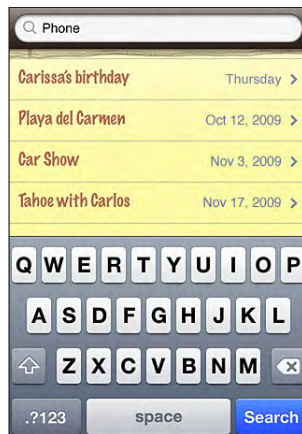
Read a note: Tap the note. Tap **➡** or **⬅** to see the next or previous note.

Edit a note: Tap anywhere on the note to bring up the keyboard.

Delete a note: Tap the note, then tap **🗑**.

Searching Notes

You can search the text of notes.



Search for notes:

- 1 Drag the note list down or tap the status bar to expose the search window.
- 2 Enter text in the search field.

Search results appear automatically as you type. Tap Search to dismiss the keyboard and see more of the results.

Emailing Notes

Email a note: Tap the note, then tap .

To email a note, iPod touch must be set up for email. See “Setting Up Email Accounts” on page 66.

Syncing Notes

You can set up iTunes to automatically sync your notes with email applications such as Mac OS X Mail (requires Mac OS X version 10.5.7 or later) or Microsoft Outlook 2003 or 2007 on a PC. See “Syncing with iTunes” on page 9.



World Clocks

You can add clocks to show the time in other major cities and time zones around the world.

View clocks: Tap World Clock.

If the clock face is white, it's daytime in that city. If the clock face is black, it's nighttime. If you have more than four clocks, flick to scroll through them.

Add a clock:

- 1 Tap World Clock.
- 2 Tap **+**, then type the name of a city.
Cities matching what you've typed appear below.
- 3 Tap a city to add a clock for that city.

If you don't see the city you're looking for, try a major city in the same time zone.

Delete a clock: Tap World Clock and tap Edit. Then tap  next to a clock and tap Delete.

Rearrange clocks: Tap World Clock and tap Edit. Then drag  next to a clock to a new place in the list.

Alarms

You can set multiple alarms. Set each alarm to repeat on days you specify, or to sound only once.

Set an alarm:

- 1 Tap Alarm and tap .
- 2 Adjust any of the following settings:
 - *To set the alarm to repeat on certain days*, tap Repeat and choose the days.
 - *To choose the ringtone that sounds when the alarm goes off*, tap Sound.
 - *To set whether the alarm gives you the option to hit snooze*, turn Snooze on or off. If Snooze is on and you tap Snooze when the alarm sounds, the alarm stops and then sounds again in ten minutes.
 - *To give the alarm a description*, tap Label. iPod touch displays the label when the alarm sounds.

If at least one alarm is set and turned on,  appears in the iPod touch status bar at the top of the screen.

Turn an alarm on or off: Tap Alarm and turn any alarm on or off. If an alarm is turned off, it won't sound again unless you turn it back on.

If an alarm is set to sound only once, it turns off automatically after it sounds. You can turn it on again to reenable it.

Change settings for an alarm: Tap Alarm and tap Edit, then tap  next to the alarm you want to change.

Delete an alarm: Tap Alarm and tap Edit, then tap  next to the alarm and tap Delete.

Stopwatch

Use the stopwatch to time an event:

- 1 Tap Stopwatch.
- 2 Tap Start to start the stopwatch.
 - *To record lap times*, tap Lap after each lap.
 - *To pause the stopwatch*, tap Stop. Tap Start to resume.
 - *To reset the stopwatch*, tap Reset when the stopwatch is pause.

If you start the stopwatch and go to another iPod touch application, the stopwatch continues running in the background.

Timer

Set the timer: Tap Timer, then flick to set the number of hours and minutes. Tap Start to start the timer.

Choose the sound: Tap When Timer Ends.

Set a sleep timer: Set the timer, then tap When Timer Ends and choose Sleep iPod.

When you set a sleep timer, iPod touch stops playing music or video when the timer ends.

If you start the timer and then switch to another iPod touch application, the timer continues running.



Using the Calculator

Tap numbers and functions in Calculator just as you would with a standard calculator. When you tap the add, subtract, multiply, or divide button, a white ring appears around the button to let you know the operation to be carried out. Rotate iPod touch to get an expanded scientific calculator.

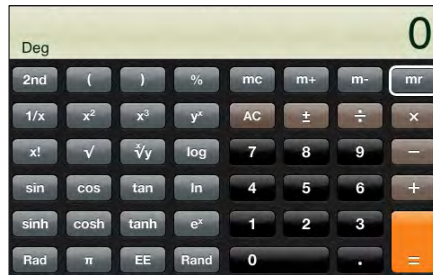
Standard Memory Functions

- **C**: Tap to clear the displayed number.
- **MC**: Tap to clear the memory.
- **M+**: Tap to add the displayed number to the number in memory. If no number is in memory, tap to store the displayed number in memory.
- **M-**: Tap to subtract the displayed number from the number in memory.
- **MR**: Tap to replace the displayed number with the number in memory. If the button has a white ring around it, there is a number stored in memory.

The stored number remains in memory when you switch between the standard and scientific calculators.

Scientific Calculator Keys

Rotate iPod touch to landscape orientation to display the scientific calculator.



2nd	Changes the trigonometric buttons (sin, cos, tan, sinh, cosh, and tanh) to their inverse functions ($\sin^{-1}$, $\cos^{-1}$, $\tan^{-1}$, $\sinh^{-1}$, $\cosh^{-1}$, and $\tanh^{-1}$). It also changes ln to log2, and e^x to 2^x . Tap 2nd again to return the buttons to their original functions.
(	Opens a parenthetical expression. Expressions can be nested.
)	Closes a parenthetical expression.
%	Calculates percentages, adds markups, and subtracts discounts. To calculate a percentage, use it with the multiplication (x) key. For example, to calculate 8% of 500, enter $500 \times 8 \% =$ which returns 40. To add a markup or subtract a discount, use it with the plus (+) or minus (-) key. For example, to compute the total cost of a \$500 item with an 8% sales tax, enter $500 + 8 \% =$ which returns 540.
1/x	Returns the reciprocal of a value in decimal format.
x^2	Squares a value.
x^3	Cubes a value.
y^x	Tap between values to raise the first value to the power of the second value. For example, to compute 3^4 , enter $3 y^x 4 =$ which returns 81.
$x!$	Calculates the factorial of a value.
$\sqrt{}$	Calculates the square root of a value.
$\sqrt[x]{}$	Use between values to calculate the x root of y. For example to compute $\sqrt[4]{81}$, enter $81 \sqrt[x]{} 4 =$ which returns 3.

log	Returns the log base 10 of a value.
sin	Calculates the sine of a value.
sin⁻¹	Calculates the arc sine of a value. (Available when the 2nd button is tapped.)
cos	Calculates the cosine of a value.
cos⁻¹	Calculates the arc cosine of a value. (Available when the 2nd button is tapped.)
tan	Calculates the tangent of a value.
tan⁻¹	Calculates the arc tangent of a value. (Available when the 2nd button is tapped.)
ln	Calculates the natural log of a value.
log2	Calculates the log base 2. (Available when the 2nd button is tapped.)
sinh	Calculates the hyperbolic sine of a value.
sinh⁻¹	Calculates the inverse hyperbolic sine of a value. (Available when the 2nd button is tapped.)
cosh	Calculates the hyperbolic cosine of a value.
cosh⁻¹	Calculates the inverse hyperbolic cosine of a value. (Available when the 2nd button is tapped.)
tanh	Calculates the hyperbolic tangent of a value.
tanh⁻¹	Calculates the inverse hyperbolic tangent of a value. (Available when the 2nd button is tapped.)
e^x	Tap after entering a value to raise the constant “e” (2.718281828459045...) to the power of that value.
2^x	Calculates 2 to the power of the displayed value. For example, $10 \cdot 2^x = 1024$. (Available when the 2nd button is tapped.)
Rad	Changes the mode to express trigonometric functions in radians.
Deg	Changes the mode to express trigonometric functions in degrees.
π	Enters the value of π (3.141592653589793...).
EE	An operator that multiplies the currently displayed value by 10 to the power of the next value you enter.
Rand	Returns a random number between 0 and 1.



Settings allows you to customize iPod touch applications, set the date and time, configure your network connection, and enter other preferences for iPod touch.

Wi-Fi

Wi-Fi settings determine whether iPod touch uses local Wi-Fi networks to connect to the Internet.

Turn Wi-Fi on or off: Choose Wi-Fi and turn Wi-Fi on or off.

Join a Wi-Fi network: Choose Wi-Fi, wait a moment as iPod touch detects networks in range, then select a network. If necessary, enter a password and tap Join. (Networks that require a password appear with a lock  icon.)

Once you've joined a Wi-Fi network manually, iPod touch automatically joins it whenever the network is in range. If more than one previously used network is in range, iPod touch joins the one last used.

When iPod touch is joined to a Wi-Fi network, the Wi-Fi  icon in the status bar at the top of the screen shows signal strength. The more bars you see, the stronger the signal.

Set iPod touch to ask if you want to join a new network: Choose Wi-Fi and turn "Ask to Join Networks" on or off.

When you're trying to access the Internet, by using Safari or Mail for example, and you aren't in range of a Wi-Fi network you've previously used, this option tells iPod touch to look for another network. iPod touch displays a list of all available Wi-Fi networks that you can choose from. (Networks that require a password appear with a lock  icon.) If "Ask to Join Networks" is turned off, you must manually join a network to connect to the Internet when a previously used network isn't available.

Forget a network, so iPod touch doesn't join it automatically: Choose Wi-Fi and tap  next to a network you've joined before. Then tap "Forget this Network."

Join a closed Wi-Fi network: To join a Wi-Fi network that isn't shown in the list of scanned networks, choose Wi-Fi > Other, then enter the network name. If the network requires a password, tap Security, tap the type of security the network uses, and enter the password.

You must already know the network name, password, and security type to connect to a closed network.

Some Wi-Fi networks may require you to enter or adjust additional settings, such as a client ID or static IP address. Ask the network administrator which settings to use.

Adjust settings to connect to a Wi-Fi network: Choose Wi-Fi, then tap  next to a network.

VPN

This setting appears when you have VPN configured on iPod touch, allowing you to turn VPN on or off. See “Network” on page 117.

Notifications

This setting appears when you've installed an application from the App Store that uses the Apple Push Notification service.

Push notifications are used by applications to alert you of new information, even when the application isn't running. Notifications differ depending upon the application, but may include text or sound alerts, and a numbered badge on the application's icon on the Home screen.

You can turn notifications off if you don't want to be notified or want to conserve battery life.

Turn all notifications on or off: Tap Notifications and turn notifications on or off.

Turn sounds, alerts, or badges on or off for an application: Tap Notifications, then choose an application from the list and choose the types of notification you want to turn on or off.

Brightness

Screen brightness affects battery life. Dim the screen to extend the time before you need to recharge iPod touch, or use Auto-Brightness.

Adjust the screen brightness: Choose Brightness and drag the slider.

Set whether iPod touch adjusts screen brightness automatically: Choose Brightness and turn Auto-Brightness on or off. If Auto-Brightness is on, iPod touch adjusts the screen brightness for current light conditions using the built-in ambient light sensor.

General

The General settings include date and time, security, network, and other settings that affect more than one application. This is also where you can find information about your iPod touch, and reset iPod touch to its original state.

About

Choose General > About to get information about iPod touch, including:

- Number of songs, videos, and photos
- Total storage capacity
- Space available
- Software version
- Serial and model numbers
- Wi-Fi and Bluetooth addresses
- Legal information
- Regulatory information

Wallpaper

You see a wallpaper background picture when you unlock iPod touch. You can select one of the images that came with iPod touch, or use a photo you've synced to iPod touch from your computer.

Set wallpaper: Choose Wallpaper and choose a picture.

Sounds

Adjust alerts volume: Choose General > Sounds and drag the slider. Or, if no song or video is playing use the volume buttons on the side of iPod touch.

Note: On the first-generation iPod touch, choose General > Sounds and select whether you want sound effects to play over the internal speaker, through the headphones, or both.

Set alert and effects sounds: Choose General > Sounds and turn items on or off.

You can set iPod touch to play a sound whenever you:

- Get an email message
- Send an email message
- Have an appointment that you've set up to alert you
- Lock iPod touch
- Type using the keyboard

Network

Use the Network settings to configure a VPN (virtual private network) connection, or access Wi-Fi settings.

Add a new VPN configuration: Choose General > Network > VPN > Add VPN Configuration.

VPNs used within organizations allow you to communicate private information securely over a non-private network. You may need to configure VPN, for example, to access your work email on iPod touch.

iPod touch can connect to VPNs that use the L2TP, PPTP, or Cisco IPSec protocols.

Ask your network administrator which settings to use. In most cases, if you've set up VPN on your computer, you can use the same VPN settings for iPod touch.

Once you've entered VPN settings, a VPN switch appears in the Settings menu that you can use to turn VPN on or off.

VPN may also be automatically set up by a configuration profile. See "Installing Configuration Profiles" on page 15.

Change a VPN configuration: Choose General > Network > VPN and tap the configuration you want to update.

Turn VPN on or off: Tap Settings and turn VPN on or off.

Delete a VPN configuration: Choose General > Network > VPN, tap the blue arrow to the right of the configuration name, and tap Delete VPN at the bottom of the configuration screen.

Bluetooth

iPod touch can connect wirelessly to Bluetooth headphone devices for music listening (not available on first-generation iPod touch). See "Bluetooth Headphones" on page 34.

Turn Bluetooth on or off: Choose General > Bluetooth and turn Bluetooth on or off.

Location Services

Location Services allows applications such as Maps to gather and use data indicating your location. Location Services doesn't correlate the data it collects with your personally identifiable information. Your approximate location is determined using available information from local Wi-Fi networks (if you have Wi-Fi turned on).

You can turn Location Services off if you don't want to use this feature. If you turn Location Services off, you'll be prompted to turn it on again the next time an application tries to use this feature.

Turn Location Services on or off: Choose General > Location Services and turn location services on or off.

To conserve battery life, turn Location Services off when you're not using it.

Auto-Lock

Locking iPod touch turns off the display to save your battery and to prevent unintended operation of iPod touch.

Set the amount of time before iPod touch locks: Choose General > Auto-Lock and choose a time.

Passcode Lock

By default, iPod touch doesn't require you to enter a passcode to unlock it.

Set a passcode: Choose General > Passcode Lock and enter a 4-digit passcode, then enter the passcode again to verify it. iPod touch then requires you to enter the passcode to unlock it or to display the passcode lock settings.

Turn passcode lock off: Choose General > Passcode Lock, enter your passcode, and tap Turn Passcode Off, then enter your passcode again.

Change the passcode: Choose General > Passcode Lock, enter your passcode, and tap Change Passcode. Enter your passcode again, then enter and reenter your new passcode.

If you forget your passcode, you must restore the iPod touch software. See "Updating and Restoring iPod touch Software" on page 158.

Set how long before your passcode is required: Choose General > Passcode Lock and enter your passcode. Tap Require Passcode, then select how long iPod touch can be idle before you need to enter a passcode to unlock it.

Erase data after ten failed passcode attempts: Choose General > Passcode Lock, enter your passcode, and tap Erase Data to turn it on.

After ten failed passcode attempts, your settings are reset to their defaults and all your information and media is erased:

- *On Fall 2009 models with 32 GB or more:* by removing the encryption key to the data (which is encrypted using 256-bit AES encryption)
- *On Fall 2009 models with less than 32 GB, and models prior to Fall 2009:* by overwriting the data

Important: You can't use iPod touch while data is being overwritten. This can take up to four hours or more, depending on the model and storage capacity of your iPod touch. (On Fall 2009 models with 32 GB or more, the removal of the encryption key is immediate.)

Restrictions

You can set restrictions for the use of some applications and for iPod content on iPod touch. For example, parents can restrict explicit music from being seen on playlists, or turn off YouTube access entirely.

Turn on restrictions:

- 1 Choose General > Restrictions, then tap Enable Restrictions.
- 2 Enter a four-digit passcode.
- 3 Reenter the passcode.

Turn off restrictions: Choose General > Restrictions, then enter the passcode. Tap Disable Restrictions, then reenter the passcode.

If you forget your passcode, you must restore your iPod touch software from iTunes. See “Updating and Restoring iPod touch Software” on page 158.

Set application restrictions: Set the restrictions you want by tapping individual controls on or off. By default, all controls are on (not restricted). Tap an item to turn it off and restrict its use.



Safari is disabled and its icon is removed from the Home screen. You cannot use Safari to browse the web or access web clips. Other third-party applications may allow web browsing even if Safari is disabled.



YouTube is disabled and its icon is removed from the Home screen.



The iTunes Store is disabled and its icon is removed from the Home screen. You cannot preview, purchase, or download content.



The App Store is disabled and its icon is removed from the Home screen. You cannot install applications on iPod touch.



Location data isn't provided to applications.

Restrict purchases within applications: Turn In-App Purchases off. When enabled, this feature allows you to purchase additional content or features within applications downloaded from the App Store.

Set content restrictions: Tap Ratings For, then select a country from the list. You can then set restrictions using that country's ratings system for the following categories of content:

- Music & Podcasts
- Movies
- TV Shows
- Apps

In the United States for example, to allow only movies rated PG or below, tap Movies, then select PG from the list.

Note: Not all countries have rating systems.

Home

Choose General > Home to set preferences for double-clicking the Home button and searching categories on the Spotlight page. You can set iPod touch so that double-clicking the Home button goes to the Home screen, Search, or iPod.

Set whether double-clicking the Home button shows iPod controls: Turn on iPod Controls to display iPod controls when you're playing music and double-click the Home button. This feature works even when the display is turned off or iPod touch is locked.

Set what categories appear in search results: Tap Search Results. All search categories in the list are selected by default. Tap an item to deselect it.

Set the order of search result categories: Tap Search Results, then drag  next to a search category to a new place in the list.

Date and Time

These settings apply to the time shown in the status bar at the top of the screen, and in world clocks and calendars.

Set whether iPod touch shows 24-hour time or 12-hour time: Choose General > Date & Time and turn 24-Hour Time on or off. (Not available in all countries.)

Set the date and time: Choose General > Date & Time. Tap Time Zone and enter the name of a major city in your time zone. Tap the "Date & Time" return button, then tap "Set Date & Time" and enter the date and time.

Keyboard

Turn Auto-Correction on or off: Choose General > Keyboard and turn Auto-Correction on or off.

By default, if the default keyboard for the language you select has a dictionary, iPod touch automatically suggests corrections or completed words as you type.

Turn Auto-Capitalization on or off: Choose General > Keyboard and turn Auto-Capitalization on or off.

By default, iPod touch automatically capitalizes words after you type sentence-ending punctuation or a return character.

Set whether caps lock is enabled: Choose General > Keyboard and turn Enable Caps Lock on or off.

If caps lock is enabled and you double-tap the Shift ⇧ key on the keyboard, all letters you type are uppercase. The Shift key turns blue when caps lock is on.

Turn the "." shortcut on or off: Choose General > Keyboard and turn "." Shortcut on or off.

The "." shortcut lets you double-tap the space bar to enter a period followed by a space when you're typing. It's on by default.

Turn international keyboards on or off: Choose General > Keyboards > International Keyboards and turn on the keyboards you want.

If more than one keyboard is turned on, tap  to switch keyboards when you're typing. When you tap the symbol, the name of the newly active keyboard appears briefly. See "International Keyboards" on page 30.

International

Use International settings to set the language for iPod touch, turn keyboards for different languages on or off, and set the date, time, and telephone number formats for your region.

Set the language for iPod touch: Choose General > International > Language, choose the language you want to use, then tap Done.

Set the Voice Control language for iPod touch: Choose General > International > Voice Control, then choose the language you want to use (available only on Fall 2009 models with 32 GB or more).

Turn international keyboards on or off: Choose General > International > Keyboards, and turn on the keyboards you want.

If more than one keyboard is turned on, tap  to switch keyboards when you're typing. When you tap the symbol, the name of the newly active keyboard appears briefly. See "International Keyboards" on page 30.

Set date, time, and telephone number formats: Choose General > International > Region Format, and choose your region.

The Region Format also determines the language used for the days and months that appear in native iPod touch applications.

Accessibility

To turn on accessibility features (available only on Fall 2009 models with 32 GB or more), choose Accessibility and choose the features you want. See Chapter 21, "Accessibility," on page 139.

Resetting iPod touch

Reset all settings: Choose General > Reset and tap Reset All Settings.

All your preferences and settings are reset. Information, such as your contacts and calendars, and media, such as your songs and videos, aren't deleted.

Erase all content and settings: Connect iPod touch to your computer or a power adapter. Choose General > Reset and tap "Erase All Content and Settings."

This resets all settings to their defaults and erases all your information and media:

- *On Fall 2009 models with 32 GB or more:* by removing the encryption key to the data (which is encrypted using 256-bit AES encryption)
- *On Fall 2009 models with less than 32 GB, and models prior to Fall 2009:* by overwriting the data

Important: You can't use iPod touch while data is being overwritten. This can take up to four hours or more, depending on the model and storage capacity of your iPod touch. (On Fall 2009 models with 32 GB or more, the removal of the encryption key is immediate.)

Reset network settings: Choose General > Reset and tap Reset Network Settings.

When you reset network settings, your list of previously used networks and VPN settings not installed by a configuration profile are removed. Wi-Fi is turned off and then back on, disconnecting you from any network you're on. The Wi-Fi and "Ask to Join Networks" settings are left turned on.

To remove VPN settings installed by a configuration profile, choose Settings > General > Profile, then select the profile and tap Remove.

Reset the keyboard dictionary: Choose General > Reset and tap Reset Keyboard Dictionary.

You add words to the keyboard dictionary by rejecting words iPod touch suggests as you type. Tap a word to reject the correction and add the word to the keyboard dictionary. Resetting the keyboard dictionary erases all words you've added.

Reset the Home screen layout: Choose General > Reset and tap Reset Home Screen Layout.

Reset the location warnings: Choose General > Reset and tap Reset Location Warnings.

Location warnings are the requests made by applications (such as Maps) to use Location Services with those applications. iPod touch stops presenting the warning for an application the second time you tap OK. Tap Reset Location Warnings to resume the warnings.

Music

The Music settings apply to songs, podcasts, and audiobooks.

Turn Shake to Shuffle on or off: Choose Music, then turn Shake to Shuffle on or off. When Shake to Shuffle is on, you can shake iPod touch to turn shuffle on and immediately change the currently playing song.

Set iTunes to play songs at the same sound level: In iTunes, choose iTunes > Preferences if you're using a Mac, or Edit > Preferences if you're using a PC, then click Playback and select Sound Check.

Set iPod touch to use the iTunes volume settings (Sound Check): Choose Music and turn Sound Check on.

Use the equalizer to customize the sound on iPod touch: Choose Music > EQ and choose a setting.

Set a volume limit for music and videos: Choose Music > Volume Limit and drag the slider to adjust the maximum volume.

Tap Lock Volume Limit to assign a code to prevent the setting from being changed.

WARNING: For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/ipodtouch.

Video

Video settings apply to video content, including rented movies. You can set where to resume playing videos that you previously started, turn closed captioning on or off, and set up iPod touch to play videos on your TV.

Set where to resume playing: Choose Video > Start Playing, then select whether you want videos that you previously started watching to resume playing from the beginning or where you left off.

Turn closed captioning on or off: Choose Video and turn Closed Captioning on or off.

TV Out

Use these settings to set up how iPod touch plays videos on your TV. For more information about using iPod touch to play videos on your TV, see “Watching Videos on a TV” on page 53.

Turn widescreen on or off: Choose Video and turn Widescreen on or off.

Set TV signal to NTSC or PAL: Choose Video > TV Signal and select NTSC or PAL.

NTSC and PAL are TV broadcast standards. iPod touch displays NTSC 480p/PAL 576p when attached to a TV using a component cable, or NTSC 480i/PAL 576i using a composite cable. Your TV might use either of these, depending on where you bought it. If you're not sure which to use, check the documentation that came with your TV.

Photos

Use Photos settings to specify how slideshows display your photos.

Set the length of time each slide is shown: Choose Photos > Play Each Slide For and select the length of time.

Set a transition effect: Choose Photos > Transition and select a transition effect.

Set whether to repeat slideshows: Choose Photos and turn Repeat on or off.

Set photos to appear randomly or in order: Choose Photos and turn Shuffle on or off.

Store

Use Store settings to change or create an iTunes Store account. By default, the iTunes account you're signed in to when you sync iPod touch with your computer appears in Store settings. You can change accounts on iPod touch to purchase music or applications from another account. If you don't have an iTunes account, you can create one in Store settings. Go to www.apple.com/legal/itunes/ww/ for iTunes Store terms and conditions.

Sign in to an account: Choose Store and tap Sign in, then enter your user name and password.

View your iTunes Store account information: Choose Store and tap View Account, then type your password and follow the onscreen instructions.

Sign in to a different account: Choose Store and tap Sign out, then tap Sign in and enter your username and password.

Create a new account: Choose Store and tap Create New Account, then follow the onscreen instructions.

Mail, Contacts, Calendars

Use Mail, Contacts, Calendars settings to set up and customize accounts for iPod touch:

- Microsoft Exchange
- MobileMe
- Google email
- Yahoo! Mail
- AOL
- Other POP and IMAP mail systems
- LDAP accounts for Contacts
- CalDAV or iCalendar (.ics) accounts for Calendars

Accounts

The Accounts section lets you set up accounts on iPod touch. The specific settings that appear depend on the type of account you're setting up. Your service provider or system administrator should be able to provide the information you need to enter.

For more information, see:

- "Setting Up Accounts" on page 13
- "Adding Contacts" on page 84
- "Subscribing to and Sharing Calendars" on page 75

Change an account's settings: Choose "Mail, Contacts, Calendars," choose an account, then make the changes you want.

Changes you make to an account's settings on iPod touch are *not* synced to your computer, so you can configure your accounts to work with iPod touch without affecting the account settings on your computer.

Stop using an account: Choose "Mail, Contacts, Calendars," choose an account, then turn Account off.

If an account is off, iPod touch doesn't display the account and doesn't send or check email from or sync other information with that account, until you turn it back on.

Adjust advanced settings: Choose "Mail, Contacts, Calendars," choose an account, then do one of the following:

- *To set whether drafts, sent messages, and deleted messages are stored on iPod touch or remotely on your email server (IMAP accounts only),* tap Advanced and choose Drafts Mailbox, Sent Mailbox, or Deleted Mailbox.
If you store messages on iPod touch, you can see them even when iPod touch isn't connected to the Internet.
- *To set how long before messages are removed permanently from Mail on iPod touch,* tap Advanced and tap Remove, then choose a time: Never, or after one day, one week, or one month.
- *To adjust email server settings,* tap Host Name, User Name, or Password under Incoming Mail Server or Outgoing Mail Server. Ask your network administrator or Internet service provider for the correct settings.
- *To adjust SSL and password settings,* tap Advanced. Ask your network administrator or Internet service provider for the correct settings.

Delete an account from iPod touch: Choose "Mail, Contacts, Calendars," choose an account, then scroll down and tap Delete Account.

Deleting an account means you can no longer access the account with your iPod touch. All email and the contacts, calendar, and bookmark information synced with the account are removed from iPod touch. However, deleting an account doesn't remove the account or its associated information from your computer.

Fetch New Data

This setting lets you turn Push on or off for MobileMe, Microsoft Exchange, Yahoo! Mail, and any other push accounts you've configured on iPod touch. Push accounts automatically deliver new information to iPod touch when new information appears on the server (some delays may occur). To fetch or sync pushed data, iPod touch must join a Wi-Fi network that is connected to the Internet. You might want to turn Push off to suspend delivery of email and other information, or to conserve battery life.

When Push is off, and with accounts that don't support push, data can still be fetched—that is, iPod touch can check with the server and see if new information is available. Use the Fetch New Data setting to determine how often data is requested. For optimal battery life, don't fetch too frequently.

Turn Push on: Choose “Mail, Contacts, Calendars” > Fetch New Data, then tap to turn Push on.

Set the interval to fetch data: Choose “Mail, Contacts, Calendars” > Fetch New Data, then choose how often you want to fetch data for all accounts.

To conserve battery life, fetch less frequently.

Setting Push to OFF or setting Fetch to Manually in the Fetch New Data screen overrides individual account settings.

Mail

The Mail settings, except where noted, apply to all accounts you’ve set up on iPod touch.

To turn alerts sounds for new or sent mail on or off, use the General > Sounds settings.

Set the number of messages shown on iPod touch: Choose “Mail, Contacts, Calendars” > Show, then choose a setting.

Choose to see the most recent 25, 50, 75, 100, or 200 messages. To download additional messages when you’re in Mail, scroll to the bottom of your inbox and tap Load More Messages.

Note: For Microsoft Exchange accounts, choose “Mail, Contacts, Calendars” and choose the Exchange account. Tap “Mail days to sync” and choose the number of days of mail you want to sync with the server.

Set how many lines of each message are previewed in the message list: Choose “Mail, Contacts, Calendars” > Preview, then choose a setting.

You can choose to see up to five lines of each message. That way, you can scan a list of messages in a mailbox and get an idea of what each message is about.

Set a minimum font size for messages: Choose “Mail, Contacts, Calendars” > Minimum Font Size, then choose Small, Medium, Large, Extra Large, or Giant.

Set whether iPod touch shows To and Cc labels in message lists: Choose “Mail, Contacts, Calendars,” then turn Show To/Cc Label on or off.

If Show To/Cc Label is on, **To** or **Cc** next to each message in a list indicates whether the message was sent directly to you or you received a copy.

Set whether iPod touch confirms that you want to delete a message: Choose “Mail, Contacts, Calendars” and turn Ask Before Deleting on or off.

If Ask Before Deleting is on, to delete a message you must tap , then confirm by tapping Delete.

Set whether iPod touch automatically loads remote images: Choose “Mail, Contacts, Calendars” and turn Load Remote Images on or off. If Load Remote Images is off, you can load images manually when reading a message.

Set whether iPod touch sends you a copy of every message you send: Choose “Mail, Contacts, Calendars,” then turn Always Bcc Myself on or off.

Set the default email account: Choose “Mail, Contacts, Calendars” > Default Account, then choose an account.

This setting determines which of your accounts a message is sent from when you create a message from another iPod touch application, such as sending a photo from Photos or tapping the email address of a business in Maps. To send the message from a different account, tap the From field in the message and choose another account.

Add a signature to your messages: Choose “Mail, Contacts, Calendars” > Signature, then type a signature.

You can set iPod touch to add a signature—your favorite quote, or your name, title, and phone number, for example—to the bottom of every message you send.

Contacts

Set how contacts are sorted: Choose “Mail Contacts, Calendars,” then under Contacts tap Sort Order and do one of the following:

- *To sort by first name first*, tap First, Last.
- *To sort by last name first*, tap Last, First.

Set how contacts are displayed: Choose “Mail Contacts, Calendars,” then under Contacts tap Display Order and do one of the following:

- *To show first name first*, tap First, Last.
- *To show last name first*, tap Last, First.

Calendar

Set alerts to sound when you receive meeting invitation: Choose “Mail, Contacts, Calendars,” and under Calendar tap “New Invitation Alerts” to turn it on.

Set how far back in the past to show your calendar events on iPod touch: Choose “Mail, Contacts, Calendars” > Sync, then choose a period of time.

Turn on Calendar time zone support: Choose “Mail, Contacts, Calendars” > Time Zone Support, then turn Time Zone Support on. Select a time zone for calendars by tapping Time Zone and entering the name of a major city.

When Time Zone Support is on, Calendar displays event dates and times in the time zone of the city you selected. When Time Zone Support is off, Calendar displays events in the time zone of your current location as determined by the network time.

Important: If you’re traveling, iPod touch may not display events or sound alerts at the correct local time. To manually set the correct time, see “Date and Time” on page 121.

Safari

Safari settings let you select your Internet search engine, set security options, and for developers, turn on debugging.

General

You can use Google or Yahoo! to perform Internet searches.

Select a search engine: Choose Safari > Search Engine and select the search engine you want to use.

You can set Safari to automatically fill out web forms using contact information, names and passwords you previously entered, or both.

Enable AutoFill: Choose Safari > AutoFill, then do one of the following:

- *To use information from contacts*, turn Use Contact Info on, then choose My Info and select the contact you want to use.

Safari uses information from Contacts to fill in contact fields on web forms.

- *To use information from names and passwords*, turn Names & Passwords on.

When this feature is on, Safari remembers names and passwords of websites you visit and automatically fills in the information when you revisit the website.

- *To remove all AutoFill information*, tap Clear All.

Security

By default, Safari is set to show features of the web, such as some movies, animation, and web applications. You may wish to change security settings to help protect iPod touch from possible security risks on the Internet.

Change security settings: Choose Safari, then do one of the following:

- *To set whether you're warned when visiting potentially fraudulent websites*, turn Fraud Warning on or off.

Fraud warning protects you from potentially fraudulent Internet sites. When you visit a suspicious site, Safari warns you about its suspect nature and doesn't load the page.

- *To enable or disable JavaScript*, turn JavaScript on or off.

JavaScript lets web programmers control elements of the page—for example, a page that uses JavaScript might display the current date and time or cause a linked page to appear in a new pop-up page.

- *To enable or disable plug-ins*, turn Plug-ins on or off. Plug-ins allow Safari to play some types of audio and video files and to display Microsoft Word files and Microsoft Excel documents.

- *To block or allow pop-ups*, turn Block Pop-ups on or off. Blocking pop-ups stops only pop-ups that appear when you close a page or open a page by typing its address. It doesn't block pop-ups that open when you tap a link.

- *To set whether Safari accepts cookies*, tap Accept Cookies and choose Never, “From visited,” or Always.

A cookie is a piece of information that a website puts on iPod touch so the website can remember you when you visit again. That way, webpages can be customized for you based on information you may have provided.

Some pages won’t work correctly unless iPod touch is set to accept cookies.

- *To clear the history of webpages you’ve visited*, tap Clear History.
- *To clear all cookies from Safari*, tap Clear Cookies.
- *To clear the browser cache*, tap Clear Cache.

The browser cache stores the content of pages so the pages open faster the next time you visit them. If a page you open doesn’t show new content, clearing the cache may help.

Developer

The debug console can help you resolve webpage errors. If it’s turned on, the console appears automatically when a webpage error occurs.

Turn the debug console on or off: Choose Safari > Developer, and turn Debug Console on or off.

Nike + iPod

Use Nike + iPod settings to activate and adjust settings for the Nike + iPod application (not available on first-generation iPod touch). See Chapter 20, “Nike + iPod,” on page 137.



About the iTunes Store

You can search for, browse, preview, purchase, and download music, audiobooks, TV shows, movies, and music videos from the iTunes Store directly to iPod touch. You can listen to audio or watch video podcasts from the iTunes Store, either by streaming them from the Internet or by downloading them directly to iPod touch.

Note: The iTunes Store is not available in all regions, and iTunes Store content may vary across regions.

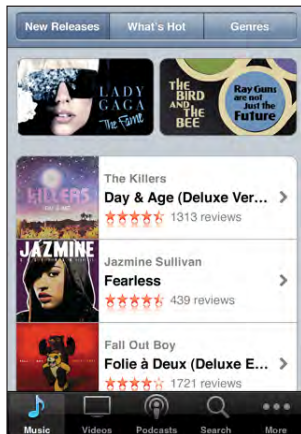
To access the iTunes Store, iPod touch must join a Wi-Fi network that's connected to the Internet. See "Connecting to the Internet" on page 35.

To purchase songs or write reviews, you need an iTunes Store account. By default, iPod touch gets your iTunes Store account settings from iTunes. If you don't have an iTunes Store account, or if you want to make purchases from another iTunes Store account, go to Settings > Store. See "Store" on page 125.

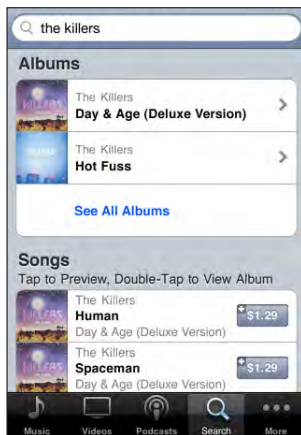
You don't need an iTunes Store account to play or download podcasts.

Finding Music, Videos, and More

Browse content: Tap Music, Videos, or Podcasts. Or tap More to browse by Audiobooks, iTunes U, or Downloads. Choose a sorting method at the top of the screen to browse by lists such as Featured, Top Tens, or Genres.



Search for content: Tap Search, tap the search field and enter one or more words, then tap Search. Search results are grouped by category, such as Movies, Albums, or Podcasts.



Tap an item in a list to see more details on its Info screen. You can read reviews, write your own review, or email a link about the item to a friend. Depending on the item, you can also buy, download, or rent it.

Note: If you join a Starbucks Wi-Fi network in a select Starbucks location (available in the U.S. only), the Starbucks icon appears at the bottom of the screen. You can preview and purchase the currently playing and other songs from featured Starbucks Collections.

Purchasing Music or Audiobooks

When you find a song, album, or audiobook you like in the iTunes Store, you can purchase and download it to iPod touch. You can preview an item before you purchase it to make sure it's what you want.

Preview a song or audiobook: Tap the item.

Purchase and download a song, album, or audiobook:

- 1 Tap the price, then tap Buy Now.
- 2 Sign in to your account as requested, then tap OK.

If you don't have an iTunes Store account, tap Create New Account to set one up.

Your purchase is charged to your iTunes Store account. For additional purchases made within the next fifteen minutes, you don't have to enter your password again.

An alert appears if you've previously purchased one or more songs from an album. Tap Buy if you want to purchase the entire album including the songs you've already purchased, or tap Cancel if you want to purchase any remaining songs individually.

Some albums include bonus content, which is downloaded to your iTunes library on your computer. Not all bonus content is downloaded directly to iPod touch.

Once you purchase an item it begins downloading and appears in the Downloads screen. See "Checking Download Status" on page 135.

Purchased songs are added to a Purchased playlist on iPod touch. If you delete the Purchased playlist, iTunes creates a new one when you buy an item from the iTunes Store.

You can redeem iTunes Store gift cards, gift certificates, or other promotional codes to make purchases. When you're signed in to your account, your remaining store credit appears with your account information at the bottom of most iTunes Store screens.

Enter a redemption code: Tap Music, then tap Redeem at the bottom of the screen and follow the onscreen instructions.

Purchasing or Renting Videos

When you find a movie, TV show, or music video you like in the iTunes Store, you can purchase and download it to iPod touch. You can purchase movies and TV shows in standard (480p) or high definition (720p) format.

When you purchase a high-definition video on iPod touch, a standard definition version compatible with iPod and iPhone immediately downloads for viewing. The high definition version appears in iTunes on your computer in the Downloads queue. You must be signed in to your iTunes Store account on your computer to view and download items from the Downloads queue.

Rented movies are available in standard definition only (not available in all regions). See “Watching Rented Movies” on page 53.

Preview a video: Tap Preview.

Purchase or rent a video:

- 1 Tap Buy or Rent.
- 2 Sign in to your account as requested, then tap OK.

If you don’t have an iTunes Store account, tap Create New Account to set one up.

Your purchase is charged to your iTunes Store account. For additional purchases made within the next fifteen minutes, you don’t have to enter your password again.

Once you purchase an item it begins downloading and appears in the Downloads screen. Rented movies won’t begin playing until the download completes. See “Checking Download Status” on page 135.

Purchased videos are added to a Purchased playlist on iPod touch. If you delete the Purchased playlist, iTunes creates a new one the next time you buy an item from the iTunes Store.

You can redeem iTunes Store gift cards, gift certificates, or other promotional codes to make purchases. When you’re signed in to your account, your remaining store credit appears with your account information at the bottom of most iTunes Store screens.

Enter a redemption code: Tap Music, then tap Redeem at the bottom of the screen and follow the onscreen instructions.

Streaming or Downloading Podcasts

You can listen to audio podcasts or watch video podcasts streamed over the Internet from the iTunes Store. You can also download audio and video podcasts to iPod touch. Podcasts you download to iPod touch are synced to your iTunes library when you connect iPod touch to your computer.

Tap Podcasts to browse podcasts in the iTunes Store. To see a list of episodes, tap a podcast. Video podcasts are indicated by the  icon.

Stream a podcast: Tap the podcast title.

Download a podcast: Tap the Free button, then tap Download. Downloaded podcasts appear in the Podcasts list in Music.

Listen to or watch a podcast you’ve downloaded: In Music, tap Podcasts at the bottom of the screen (you may need to tap More first), then tap the podcast. Video podcasts also appear in your list of videos.

Get more episodes of the podcast you’ve downloaded: In the Podcasts list in Music, tap the podcast, then tap Get More Episodes.

Delete a podcast: In the Podcasts list in Music, swipe left or right over the podcast, then tap Delete.

Checking Download Status

You can check the Downloads screen to see the status of in-progress and scheduled downloads, including purchases you've pre-ordered.

See the status of items being downloaded: Tap Downloads.

To pause a download, tap **II**.

If a download is interrupted, iPod touch starts the download again the next time it has an Internet connection. Or, if you open iTunes on your computer, iTunes completes the download to your iTunes library (if your computer is connected to the Internet and signed in to the same iTunes account).

See the status of pre-ordered items: Tap Downloads.

Pre-ordered items appear in a list until the date the item is released. Tap the item for release date information. Once the item is available for download, a download  icon appears next to the download.

Download a pre-ordered item: Tap the item, then tap .

Pre-ordered items don't download automatically when they're released. Return to the Downloads screen to begin the download.

Syncing Purchased Content

iTunes automatically syncs everything you've downloaded or purchased on iPod touch to your iTunes library when you connect iPod touch to your computer. This lets you access the downloads on your computer and provides a backup if you delete purchased content from iPod touch.

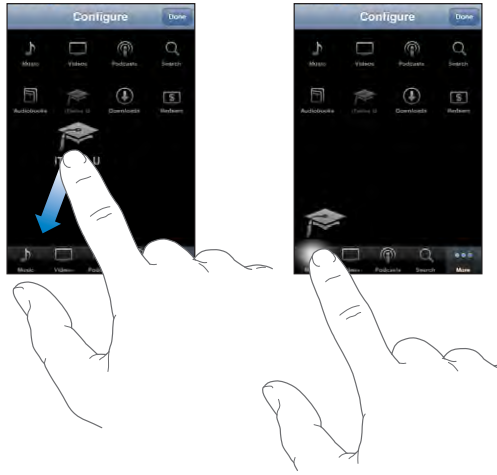
Purchased content is synced to the "Purchased on <name of your iPod touch>" playlist. iTunes creates the playlist if it doesn't exist. iTunes also copies your purchases to the Purchased playlist that iTunes uses for purchases you make on your computer, if that playlist exists and is set to sync with iPod touch.

Downloaded podcasts are synced to the Podcast list in your iTunes library.

Changing the Browse Buttons

You can replace the Music, Podcasts, Videos, and Search buttons at the bottom of the screen with ones you use more frequently. For example, if you download audiobooks often but don't watch many videos, you could replace the Videos button with Audiobooks.

Change the browse buttons: Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. When you finish, tap Done.

When you're browsing, tap More to access the browse buttons that aren't visible.

Viewing Account Information

To view your iTunes Store account information on iPod touch, tap your account (at the bottom of most iTunes Store screens). Or go to Settings > Store and tap View Account. You must be signed in to view your account information. See "Store" on page 125.

Verifying Purchases

You can use iTunes on your computer to verify that all the music, videos, applications, and other items you bought from the iTunes Store or App Store are in your iTunes library. You might want to do this if a download was interrupted.

Verify your purchases:

- 1 Make sure your computer is connected to the Internet.
- 2 In iTunes, choose Store > Check for Available Downloads.
- 3 Enter your iTunes Store account ID and password, then click Check.

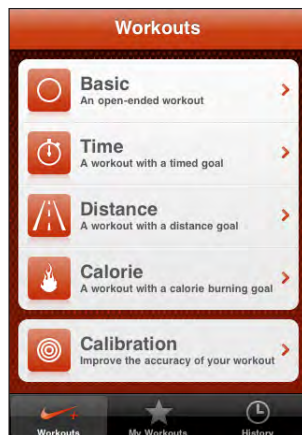
Purchases not yet on your computer are downloaded.

The Purchased playlist displays your purchases. However, because you can add or remove items in this list, it might not be accurate. To see all of your purchases, sign in to your account, choose Store > View My Account, and click Purchase History.



Activating Nike + iPod

When activated in Settings, the Nike + iPod application appears on the Home screen (not available on first-generation iPod touch). With a Nike + iPod Sensor (sold separately), the Nike + iPod application provides audible feedback on your speed, distance, time elapsed, and calories burned during a running or walking workout. When iPod touch is connected to iTunes on your computer, you can send your workout information to Nikeplus.com, where you can track your progress, set goals, and participate in challenges.



See the Nike + iPod documentation for information about activating and using Nike + iPod.

Turn Nike + iPod on or off: In Settings, choose Nike + iPod and turn Nike + iPod on or off. When Nike + iPod is turned on, its icon appears on the Home screen.

Additional Nike + iPod Settings

In Settings, choose Nike + iPod to activate and adjust settings for the Nike + iPod application.

Choose a PowerSong: Choose PowerSong and select a song from your music library.

Turn spoken feedback on or off: Choose Spoken Feedback and select a male or female voice to accompany your workout, or Off to turn off spoken feedback.

Set a distance preference: Choose Distance, then select Miles or Kilometers to measure your workout distance.

Set your weight: Choose Weight, then flick to enter your weight.

Set the screen orientation: Choose Lock Screen, then select a screen orientation preference.

Set up the Nike + iPod Sensor: Choose Sensor, then follow the onscreen instructions to set up your sensor (sold separately).

You can use a Nike+ compatible remote (sold separately) to control Nike + iPod wirelessly. Before using a remote for the first time, you must set it up on iPod touch.

Set up the Nike + iPod remote: Choose Remote, then follow the onscreen instructions to set up your remote (third-party product sold separately).

Accessibility Features

In addition to the many features that make iPod touch easy to use for everyone, accessibility features (available only on Fall 2009 models with 32 GB or more) are designed to make it easier for users with visual, auditory, or other physical disabilities to use iPod touch. These accessibility features include:

- VoiceOver
- Zoom
- White on Black
- Mono Audio
- Speak Auto-text

With the exception of VoiceOver, these accessibility features work with all iPod touch applications, including third-party applications you download from the App Store. VoiceOver works with all applications that come preinstalled on iPod touch. In addition, third-party developers can use the iPod touch Accessibility API to make their applications accessible for VoiceOver users.

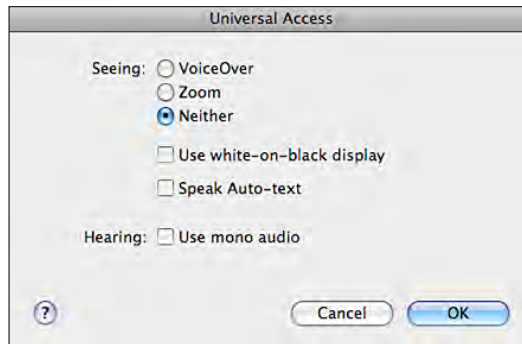
For more information about the accessibility features of iPod touch, go to www.apple.com/accessibility.

Each accessibility feature can be turned on or off in the Accessibility settings on iPod touch. You can also turn accessibility features on or off in iTunes when iPod touch is connected to your computer.

Turn accessibility features on or off in iTunes:

- 1 Connect iPod touch to your computer.
- 2 In iTunes, select iPod touch in the sidebar.
- 3 In the Summary pane, click Configure Universal Access in the Options section.

- 4 Select the accessibility features that you want to use and click OK.



VoiceOver

VoiceOver describes aloud what appears onscreen, so that you can use iPod touch without seeing it. VoiceOver speaks in the language specified in International settings, which may be influenced by the Region Locale setting.

Note: VoiceOver isn't available in all languages.

VoiceOver tells you about each element on the screen as it's selected. When an element is selected, it's enclosed by a black rectangle (for the benefit of those who can see the screen) and VoiceOver speaks the name or describes the item. The enclosing rectangle is referred to as the VoiceOver cursor. If text is selected, VoiceOver reads the text. If a control (such as a button or switch) is selected and Speak Hints is turned on, VoiceOver may tell you the action of the item or provide instructions for you—for example, "double-tap to open."

When you go to a new screen, VoiceOver plays a sound and automatically selects and speaks the first element of the screen (typically, the item in the upper-left corner). VoiceOver also lets you know when the display changes to landscape or portrait, and when the screen is locked or unlocked.

Setting Up VoiceOver

Important: VoiceOver changes the gestures used to control iPod touch. Once VoiceOver is turned on, you have to use VoiceOver gestures to operate iPod touch—even to turn VoiceOver off again to resume standard operation.

Turn VoiceOver on or off: In Settings, choose General > Accessibility > VoiceOver and tap the VoiceOver On/Off switch.

You can also set Triple-click Home to turn VoiceOver on or off. See "Triple-click Home" on page 148.

Note: You cannot use VoiceOver and Zoom at the same time.

Turn spoken hints on or off: In Settings, choose General > Accessibility > VoiceOver, and tap the Speak Hints On/Off switch. Spoken hints are turned on by default.

Set the VoiceOver speaking rate: In Settings, choose General > Accessibility > VoiceOver, and adjust the Speaking Rate slider.

You can choose what kind of feedback you get when you type. You can set VoiceOver to speak characters, words, both, or nothing. If you choose to hear both characters and words, VoiceOver speaks each character as you type it, then speaks the whole word when you finish it by entering a space or punctuation.

Choose typing feedback: In Settings, choose General > Accessibility > VoiceOver > Typing Feedback, then choose Characters, Words, Characters and Words, or Nothing.

Change the language spoken by VoiceOver: In Settings, choose General > International > Language, then select a language and tap OK. Some languages may be influenced by the Region Local setting. In Settings, choose General > International > Region Format and select the format.

Note: VoiceOver isn't available in all languages.

Practice gestures: In Settings, choose General > Accessibility > VoiceOver > Practice Gestures, then tap Practice VoiceOver Gestures. Practice the gestures described in "VoiceOver Gestures," below. When you're finished practicing, tap Done.

VoiceOver Gestures

When VoiceOver is turned on, the standard touchscreen gestures have different effects. These and some additional gestures allow you to move around the screen and to control the individual elements when they're selected. VoiceOver gestures include using two and three fingers to tap or flick. For best results when using two- and three-finger gestures, relax and let your fingers touch the screen with some space between your fingers.

You can use standard gestures when VoiceOver is turned on, by double-tapping and holding your finger on the screen. A series of tones indicates that normal gestures are in force. They remain in effect until you lift your finger. Then VoiceOver gestures resume.

You can use many different techniques to enter VoiceOver gestures. For example, you can enter a two-finger tap using two fingers from one hand, or one finger from each hand. You can also use your thumbs. Try different techniques to discover which works best for you.

If your gestures don't work, try quicker movements, especially for double-tap and flicking gestures. To flick, try quickly brushing the screen with your finger or fingers. You can practice VoiceOver gestures in Settings: choose General > Accessibility > VoiceOver > Practice Gestures and tap the Practice VoiceOver Gestures button.

Here's a summary of key VoiceOver gestures:

Navigate and Read

- *Tap*: Speak item.
- *Flick right or left*: Select the next or previous item.
- *Flick up or down*: Depends on the Rotor Control setting. See "Rotor Control" on page 142.
- *Two-finger tap*: Stop speaking the current item.
- *Two-finger flick up*: Read all from top of screen.
- *Two-finger flick down*: Read all from current position.
- *Three-finger flick up or down*: Scroll one page at a time.
- *Three-finger flick right or left*: Go to the next or previous page (such as the Home screen, Stocks, or Safari).
- *Three-finger tap*: Speak the scroll status (which page or rows are visible).

Select and Activate

- *Double-tap*: Activate selected item.
- *Touch an item with one finger, tap the screen with another finger ("split-tapping")*: Activate item.
- *Double-tap and hold (1 second) + standard gesture*: Use a standard gesture.
The double-tap and hold gesture tells iPod touch to interpret the subsequent gesture as standard. For example, you can double-tap and hold, then without lifting your finger, drag your finger to slide a switch.
- *Two-finger double tap*: Play or pause in iPod, YouTube, Voice Memos, or Photos. Start or pause recording in Voice Memos. Start or stop the stopwatch.
- *Three-finger double tap*: Mute or unmute VoiceOver.
- *Three-finger triple tap*: Turn the display on or off.

Do single-finger flicking gestures quickly, to distinguish them from dragging gestures.

Rotor Control

The rotor control is an invisible dial that you can use to change the results of up and down flick gestures when VoiceOver is turned on.

Operate the rotor: Rotate two fingers on the iPod touch screen to "turn" the dial to choose between options.

The effect of the rotor depends on what you're doing. For example, if you're reading text in an email you received, you can use the rotor to switch between hearing text spoken word-by-word or character-by-character when you flick up or down. If you're browsing a webpage, use the rotor to choose whether you hear text word-by-word or character-by-character, hear just the headers, hear just the links (all of them, visited links, or links not yet visited), hear form elements, or hear descriptions of images. In other words, you can use the rotor setting to hear all the text, or to jump from one element to another of a certain type, such as headers or links.

Rotor options depend on the context of what you're doing.

Reading text

- Select and hear text character-by-character
- Select and hear text word-by-word

Browsing a webpage

- Select and hear text character-by-character
- Select and hear text word-by-word
- Select and hear headers
- Select and hear links
- Select and hear form controls
- Select and hear visited links
- Select and hear links not visited
- Select and hear images
- Select and hear static text
- Zoom in or out

Entering text

- Move insertion point and hear text character-by-character
- Move insertion point and text word-by-word
- Text editing functions
- Auto-text

Using a control (such as the spinner for setting the time in Clock)

- Select and hear value character-by-character
- Select and hear value word-by-word
- Adjust the value of the control object

Using VoiceOver

Select items on the screen: Drag your finger over the screen. VoiceOver identifies each element as you touch it. You can also move systematically from one element to the next by flicking left or right with a single finger. Elements are selected from left-to-right, top-to-bottom. Flick right to go to the next element, or flick left to go to the previous element.

“Tap” a selected item when VoiceOver is turned on: Double-tap anywhere on the screen.

Speak the text of an element, character by character or word by word: With the element selected, flick up or down with one finger. Flick down to read the next character, or flick up to read the previous character. Twist the rotor control to read word by word.

Adjust a slider: With a single finger, flick up to increase the setting or down to decrease the setting. VoiceOver announces the setting as you adjust it.

Scroll a list or area of the screen: Flick up or down with three fingers. Flick down to page down through the list, or flick up to page up through the list. When paging through a list, VoiceOver speaks the range of items displayed (for example, “showing rows 5 through 10”).

You can also scroll continuously through a list, instead of paging through it. Double-tap and hold. When you hear a series of tones, you can move your finger up or down to scroll the list. Continuous scrolling stops when you lift your finger.

Use a list index: Some lists have an alphabetical index along the right side. The index cannot be selected by flicking between elements; you must touch the index directly to select it. With the index selected, flick up or down to move along the index. You can also double-tap, then slide your finger up or down.

Unlock iPod touch: Select the Unlock switch, then double-tap the screen.

Rearrange the Home screen: On the Home screen select the icon you want to move. Double-tap and hold, then drag the icon. VoiceOver speaks the row and column position as you drag the icon. Release the icon when it’s in the location you want. You can drag additional icons. Drag an item to the left or right edge of the screen to move it to another page of the Home screen. When you’re finished rearranging the icons, press the Home  button.

Mute VoiceOver	Double-tap with three fingers. Double-tap again with three fingers to turn speaking back on. To turn off only VoiceOver sounds, set the Ring/Silent switch to Silent.
Stop speaking an item	Tap once with two fingers. Tap again with two fingers to resume speaking. Speaking automatically resumes when you select another item.
Turn off the display while you use VoiceOver	Triple-tap with three fingers. Triple-tap again with three fingers to turn on the display again.
Speak entire screen from the top	Flick up with two fingers.
Speak from current item to bottom of screen	Flick down with two fingers.

Status information about iPod touch can be heard by touching the top of the screen. This can include the time, battery life, Wi-Fi signal strength, and more.

Entering and Editing Text

When you select a text field with VoiceOver, you can use the onscreen keyboard to enter text. You can use the editing features of iPod touch to cut, copy, or paste in the text field.

Note: Safari doesn't support copying webpage content. The editing features work only in editable text fields.

Enter text:

- 1 Use VoiceOver to select an editable text field, then double tap to display the insertion point and bring up the onscreen keyboard. If the field already contains text, the insertion point is placed at the beginning or at the end of the text. Double-tap again to place the insertion point at the opposite end. VoiceOver tells you the position of the insertion point.

The insertion point and onscreen keyboard may appear automatically when you select a text field. VoiceOver announces when you're in editing mode.

- 2 To type, select a key on the keyboard by flicking left or right, then double-tap to enter the character. Or drag your finger around the keyboard to select a key, and, while holding the key with one finger, tap the screen with another finger to enter the character. VoiceOver speaks the key when it's selected, and again when it's entered.

To enter an accented character, double-tap and hold until you hear a sound that indicates the alternate characters have appeared, then drag left or right to select and hear the choices. Release your finger to enter the current selection.

Move the insertion point: Flick up or down to move the insertion point forward or backward in the text. VoiceOver makes a sound when the insertion point moves, and speaks the character that the insertion point moved across. Use the rotor to choose whether you want to move the insertion point by character or by word.

Select text: Use the rotor to choose edit. Flick up or down to choose between the Select and Select All functions, then double tap. If you chose Select, the word closest to the insertion point is selected when you double-tap. If you chose Select All, the entire text is selected.

Pinch to increase or decrease the selection.

Cut, Copy, or Paste: Make sure the rotor is set to edit. With text selected, flick up or down to choose Cut, Copy, or Paste, then double-tap.

Undo: Shake iPod touch, flick left or right to choose the action to undo, then double-tap.

Using Maps

With VoiceOver, you can zoom in or out, select pins, and get information about locations.

Zoom in or out: Use the rotor to choose zoom mode, then flick up or down to zoom in or out.

Select a pin: Touch a pin, or flick left or right to move from one item to another.

Get information about a location: With a pin selected, double-tap to display the information flag. Flick left or right to select the flag, then double-tap to display the information page.

Editing Voice Memos

You can use VoiceOver gestures to trim Voice Memo recordings.

Trim a voice memo: On the Voice Memos screen, select the button to the right of the memo you want to trim, then double-tap. Then select Trim Memo and double-tap. Select the beginning or end of the trim tool. Flick up to drag to the right, or flick down to drag to the left. VoiceOver announces the amount of time the current position will trim from the recording. To execute the trim, select Trim Voice Memo and double-tap.

Zoom

Many iPod touch applications let you zoom in and out specific elements. For example, you can double-tap or use the pinch gesture to expand webpage columns in Safari. Zoom is a special accessibility feature that lets you magnify the entire screen of any application you're using to help you see what's on the display.

Turn Zoom on or off: In Settings, choose General > Accessibility > Zoom and tap the Zoom On/Off switch.

Note: You cannot use VoiceOver and Zoom at the same time.

Zoom in or out: Double-tap the screen with three fingers. By default, the screen is magnified by 200 percent. If you manually change the magnification (by using the tap-and-drag gesture, described below), iPod touch automatically returns to that magnification when you zoom in by double-tapping with three fingers.

Increase magnification: With three fingers, tap and drag toward the top of the screen (to increase magnification) or toward the bottom of the screen (to decrease magnification). The tap-and-drag gesture is similar to a double-tap, except you don't lift your fingers on the second tap—instead, drag your fingers on the screen. Once you start dragging, you can drag with a single finger.

Move around the screen: When zoomed in, drag or flick the screen with three fingers. Once you start dragging, you can drag with a single finger so that you can see more of the screen. Hold a single finger near the edge of the display to pan to that side of the screen image. Move your finger closer to the edge to pan more quickly. When you open a new screen, Zoom always goes to the top-middle of the screen.

White on Black

Use White on Black to invert the colors on the iPod touch display, which may make it easier to read the screen. The screen looks like a photographic negative when White on Black is turned on.

Invert the screen's colors: In Settings, choose General > Accessibility and tap the "White on Black" switch.

Mono Audio

Mono Audio combines the sound of the left and right channels into a mono signal played on both sides. This enables users with hearing impairment in one ear to hear the entire sound signal with the other ear.

Turn Mono Audio on or off: In Settings, choose General > Accessibility and tap the Mono Audio switch.

Speak Auto-text

Speak Auto-text speaks the text corrections and suggestions iPod touch makes when you're typing.

Turn Speak Auto-text on or off: In Settings, choose General > Accessibility and tap the Speak Auto-text switch.

Speak Auto-text also works with VoiceOver or Zoom.

Triple-click Home

Triple-click Home provides an easy way to turn some of the Accessibility features on or off when you press the Home  button quickly three times. You can set Triple-click Home to turn VoiceOver on or off, turn White on Black on or off, or present the options to:

- Turn VoiceOver on or off
- Turn Zoom on or off
- Turn White on Black on or off

Triple-click Home is turned off by default.

Set the Triple-click Home function: In Settings, choose General > Accessibility > Triple-click Home and choose the function you want.

Closed Captioning and Other Helpful Features

Many features available on all models of iPod touch help make iPod touch accessible to all users, including those with visual or auditory impairments.

Closed Captioning

You can turn on closed captioning for videos in iPod settings. See “Video” on page 124.

Voice Control

Voice Control (available only on Fall 2009 models with 32 GB or more) lets you control iPod music playback by using voice commands. See “Using Voice Control with iPod” on page 46.

Widescreen Keyboards

Several applications let you rotate iPod touch when you’re typing so that you can use a larger keyboard:

- Mail
- Safari
- Notes
- Contacts

Instant Messaging (IM) Chat

The App Store features many Internet Messaging (IM) applications such as AIM, BeejiveIM, ICQ, and Yahoo! Messenger that are optimized for iPod touch.

Minimum Font Size for Mail Messages

To increase readability, set a minimum font size for Mail message text to Large, Extra Large, or Giant. See “Mail” on page 127.

Universal Access in Mac OS X

Take advantage of the Universal Access features in Mac OS X when you use iTunes to sync information and content from your iTunes library to iPod touch. In the Finder, choose Help > Mac Help, then search for “universal access.”

For more information about iPod touch and Mac OS X accessibility features, go to www.apple.com/accessibility.

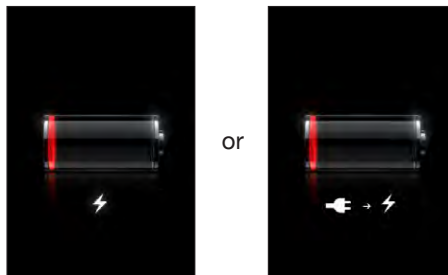
Apple iPod touch Support Site

Comprehensive support information is available online at www.apple.com/support/ipodtouch.

General

Low-Battery Image Appears

iPod touch is low on power and needs to charge for up to ten minutes before you can use it. For information about charging iPod touch, see “Charging the Battery” on page 36.



iPod touch Doesn't Respond

- iPod touch may be low on power. Connect iPod touch to your computer or to its power adapter to charge. See “Charging the Battery” on page 36.
- Press and hold the Sleep/Wake button on top of iPod touch for a few seconds until a red slider appears, and then press and hold the Home button until the application you were using quits.
- If that doesn't work, turn iPod touch off, then turn it on again. Press and hold the Sleep/Wake button on top of iPod touch for a few seconds until a red slider appears, and then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears.

- If that doesn't work, reset iPod touch. Press and hold both the Sleep/Wake button and the Home  button for at least ten seconds, until the Apple logo appears.

iPod touch Still Doesn't Respond After Reset

- Reset iPod touch settings. From the Home screen choose Settings > General > Reset > Reset All Settings. All your preferences are reset, but your data and media aren't deleted.
- If that doesn't work, erase all content on iPod touch. See "Resetting iPod touch" on page 122.
- If that doesn't work, restore the iPod touch software. See "Updating and Restoring iPod touch Software" on page 158.

"This accessory is not supported by iPod touch" Appears

The accessory you attached may not work with iPod touch. Make sure the dock connector is free of debris.

Connect-to-iTunes Screen Appears

iPod touch needs to be registered with iTunes. Connect iPod touch to your computer and open iTunes if it doesn't open automatically.

iTunes and Syncing

iPod touch Doesn't Appear in iTunes

- The iPod touch battery might need to be recharged. For information about charging iPod touch, see "Charging the Battery" on page 36.
- Disconnect other USB devices from your computer and connect iPod touch to a different USB 2.0 port on your computer (not on your keyboard).
- Restart your computer and reconnect iPod touch to your computer.
- Download and install (or reinstall) the latest version of iTunes from www.apple.com/itunes.

Syncing Doesn't Work

- The iPod touch battery might need to be recharged. For information about charging iPod touch, see "Charging the Battery" on page 36.
- Disconnect other USB devices from your computer and connect iPod touch to a different USB 2.0 port on your computer (not on your keyboard).
- Restart your computer and reconnect iPod touch to your computer.
- For push accounts, make sure iPod touch is joined to a Wi-Fi network that is connected to the Internet. See "Connecting to the Internet" on page 35.

- Download and install (or reinstall) the latest version of iTunes from www.apple.com/itunes.

Contacts, Calendars, or Bookmarks Don't Sync

- Download and install (or reinstall) the latest version of iTunes from www.apple.com/itunes.
- For push accounts, make sure iPod touch is joined to a Wi-Fi network that is connected to the Internet. See "Connecting to the Internet" on page 35.

Yahoo! or Google Contacts Doesn't Sync

iTunes may not be able to connect with Yahoo! or Google. Make sure iPod touch is joined to a Wi-Fi network that is connected to the Internet. Make sure your computer is connected to the Internet, and that you've entered the correct ID and password in iTunes. Connect iPod touch to your computer, click the Info tab in iTunes, click Configure in the Contacts section, then enter your current ID and password.

Yahoo! Address Book Still Has Contacts Deleted From iPod touch

Yahoo! Address Book doesn't allow contacts containing a Messenger ID to be deleted through syncing. To delete a contact containing a Messenger ID, log in to your Yahoo! account online and delete the contact using Yahoo! Address Book.

Sound, Music, and Video

No Sound

- Unplug and reconnect the headset. Make sure the connector is pushed in all the way.
- Make sure the volume isn't turned down all the way.
- Music on iPod touch might be paused. Try pressing the center button on the iPod touch headset (included with Fall 2009 models with 32 GB or more) or the equivalent button on your Bluetooth headset to resume playback. Or from the Home screen, tap Music, tap Now Playing, then tap ►.
- Check to see if a volume limit is set. From the Home screen choose Settings > iPod > Volume Limit. For more information, see "Music" on page 123.
- Make sure you're using the latest version of iTunes (go to www.apple.com/itunes).
- If you're using the optional dock's line out port, make sure your external speakers or stereo are turned on and working properly.

Song, Video, or Other Items Won't Play

The song may have been encoded in a format that iPod touch doesn't support. The following audio file formats are supported by iPod touch. These include formats for audiobooks and podcasting:

- AAC (M4A, M4B, M4P, up to 320 Kbps)
- Apple Lossless (a high-quality compressed format)
- MP3 (up to 320 Kbps)
- MP3 Variable Bit Rate (VBR)
- WAV
- AA (audible.com spoken word, formats 2, 3, and 4)
- AAX (audible.com spoken word, AudibleEnhanced format)
- AIFF

The following video file formats are supported by iPod touch:

- H.264 (Baseline Profile Level 3.0)
- MPEG-4 (Simple Profile)

A song encoded using Apple Lossless format has full CD-quality sound, but takes up only about half as much space as a song encoded using AIFF or WAV format. The same song encoded in AAC or MP3 format takes up even less space. When you import music from a CD using iTunes, it's converted to AAC format by default.

Using iTunes for Windows, you can convert nonprotected WMA files to AAC or MP3 format. This can be useful if you have a library of music encoded in WMA format.

iPod touch doesn't support WMA, MPEG Layer 1, MPEG Layer 2 audio files, or audible.com format 1.

If you have a song or video in your iTunes library that isn't supported by iPod touch, you may be able to convert it to a format iPod touch supports. See iTunes Help for more information.

iTunes Stores

iTunes Store Isn't Available

To use the iTunes Store, iPod touch must be connected to the Internet. See "Connecting to the Internet" on page 35. The iTunes Store isn't available in all countries.

Can't Purchase Content

To use the iTunes Store or the App Store, iPod touch must join a Wi-Fi network that is connected to the Internet. See "Connecting to the Internet" on page 35.

To purchase content from the iTunes Store or App Store, you must have an iTunes Store account. Open iTunes on your computer and choose Store > Create Account. You can also set up an account on iPod touch. See “Viewing Account Information” on page 136.

Note: The iTunes Store is available only in some countries.

Safari, Mail, and Contacts

Can’t Send Email

If iPod touch is unable to send email, try the following:

- In Settings, choose “Mail, Contacts, Calendars” and select the account you’re trying to use. Tap Account Info, then tap SMTP under Outgoing Mail Server. You can set up additional SMTP servers, or select one from another mail account on iPod touch. Contact your Internet service provider for configuration information.
- Set up your email account directly on iPod touch instead of syncing it from iTunes. In Settings, choose “Mail, Contacts, Calendars,” tap Add Account and enter your account information. If iPod touch is unable to locate your service provider’s settings when you enter your email address, go to www.apple.com/support and search for HT1277 to get additional help in setting up your account.
- Turn iPod touch off, then turn it on again. Press and hold the Sleep/Wake button on top of iPod touch for a few seconds until a red slider appears, and then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears.

For additional troubleshooting information, go to www.apple.com/support and search for TS1426. If you still can’t send email, you can call an Apple Expert (not available in all countries). Go to www.apple.com/support/expert for information. If Apple Expert is not available in your country, get a free GMail, Yahoo!, or AOL account and try forwarding your mail to that account.

Can’t Receive Email

If iPod touch is unable to receive email, try the following:

- If you’re using one or more computers to check the same email account, that may be creating a lock-out issue. For more information, go to www.apple.com/support and search for TS2621.
- Set up your email account directly on iPod touch instead of syncing it from iTunes. In Settings, choose “Mail, Contacts, Calendars,” tap Add Account and enter your account information. If iPod touch is unable to locate your service provider’s settings when you enter your email address, go to www.apple.com/support and search for HT1277 to get additional help in setting up your account.

- Turn iPod touch off, then turn it on again. Press and hold the Sleep/Wake button on top of iPod touch for a few seconds until a red slider appears, and then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears.
- Turn off Wi-Fi so iPod touch is connecting to the Internet via the cellular data network. In Settings, choose Wi-Fi and turn off Wi-Fi.

For additional troubleshooting information, go to www.apple.com/support and search for TS1426. If you still can't receive email, you can call an Apple Expert (not available in all countries). Go to www.apple.com/support/expert for information. If Apple Expert is not available in your country, get a free GMail, Yahoo!, or AOL account and try forwarding your mail to that account.

Email Attachment Won't Open

The file type may not be supported. iPod touch supports the following email attachment file formats:

.doc	Microsoft Word
.docx	Microsoft Word (XML)
.htm	webpage
.html	webpage
.key	Keynote
.numbers	Numbers
.pages	Pages
.pdf	Preview, Adobe Acrobat
.ppt	Microsoft PowerPoint
.pptx	Microsoft PowerPoint (XML)
.rtf	Rich Text Format
.txt	text
.vcf	contact information
.xls	Microsoft Excel
.xlsx	Microsoft Excel (XML)

GAL Contacts Don't Appear

Make sure iPod touch is joined to a Wi-Fi network that is connected to the Internet. Check your Microsoft Exchange settings to make sure you're on the right server. In Settings, tap "Mail, Contacts, Calendars" and choose an account to display its settings.

If you're trying to search for GAL contacts in Contacts, tap Groups and tap Directories at the bottom of the list.

Backing Up iPod touch

iTunes creates backups of settings, downloaded applications and data, and other information on iPod touch. You can use a backup to restore these items to your iPod touch after a software restore or to transfer the information to another iPod touch.

Backing up iPod touch or restoring from a backup is not the same as syncing content and other items (such as music, podcasts, photos, videos, and applications that you download via iTunes) with your iTunes library. Backups include settings, downloaded applications and data, and other information that resides on iPod touch. You can restore these items from a backup using iTunes, but you may also have to sync your iTunes library content again.

Applications downloaded from the App Store are backed up the next time you sync with iTunes. Afterwards, only application data is backed up when you sync with iTunes.

Creating Backups

Backups can be created in the following ways:

- Once iPod touch has been configured to sync with a particular computer, iTunes automatically makes a backup of iPod touch on that computer when you sync. iTunes won't automatically back up an iPod touch that isn't configured to sync with that computer. If you've configured iPod touch to automatically sync with iTunes on a specific computer, iTunes will back up iPod touch every time you connect it to that computer. Automatic syncing is turned on by default. iTunes only makes one backup each time you connect, even if you sync multiple times before disconnecting.
- If you choose to update the software on iPod touch, iTunes will back up iPod touch automatically, even if it isn't configured to sync with iTunes on that computer.
- If you choose to restore the software on iPod touch, iTunes asks if you want to back up iPod touch before restoring.

If you use a Bluetooth headset or car kit with iPod touch and you restore settings, you must pair the Bluetooth device with iPod touch again to use it.

For more information about backups, including the settings and information stored in a backup, go to www.apple.com/support and search for HT1766.

Restoring from a Backup

You can restore the settings, application data, and other information from a backup, or use this feature to transfer these items to another iPod touch.

Restore iPod touch from a backup:

- 1 Connect iPod touch to the computer you normally sync with.
- 2 In iTunes, Control-click iPod touch in the sidebar and choose “Restore from Backup” from the menu that appears.
- 3 Choose the backup that you want to restore from the pop-up menu, then click Restore.
If your backup is encrypted, you’ll need to enter your password.

After restoring from a backup, previous data is no longer accessible via the iPod touch user interface, but it isn’t erased from your iPod touch. For information about erasing all content and settings, see “Resetting iPod touch” on page 122.

Important: Restoring iPod touch from a backup restores all data in the backup, including data for other applications. If you choose an old backup, restoring from it could replace the data for applications with data that is not current.

Removing a Backup

You can remove a backup of iPod touch from the list of backups in iTunes. You may want to do this, for example, if a backup was created on someone else’s computer.

Remove a backup:

- 1 In iTunes, open iTunes Preferences.
 - *Windows:* Choose Edit > Preferences.
 - *Mac:* Choose iTunes > Preferences.
- 2 Click Devices (iPod touch does not need to be connected).
- 3 Select the backup you want to remove, then click Delete Backup.
- 4 Confirm you wish to remove the selected backup by clicking Delete Backup.
- 5 Click OK to close the iTunes Preferences Window.

Updating and Restoring iPod touch Software

You can use iTunes to update or reinstall iPod touch software, restore default settings, and delete all data on iPod touch.

- *If you update*, the iPod touch software is updated. Your downloaded applications, settings, and data aren't affected.

Note: In some cases, an update may also include restoring iPod touch.

- *If you restore*, the latest version of iPod touch software is reinstalled, settings are restored to their defaults, and data stored on iPod touch is deleted, including downloaded applications, songs, videos, contacts, photos, calendar information, and any other data. If you've backed up iPod touch with iTunes on your computer, you can restore data from the backup at the end of the restore process.

Deleted data is no longer accessible via the iPod touch user interface, but isn't erased from your iPod touch. For information about erasing all content and settings, see "Resetting iPod touch" on page 122.

Update or restore iPod touch:

- 1 Make sure you have an Internet connection and have installed the latest version of iTunes from www.apple.com/itunes.
- 2 Connect iPod touch to your computer.
- 3 Select iPod touch in the iTunes sidebar and click the Summary tab.
- 4 Click "Check for Update." iTunes tells you if there's a newer version of the iPod touch software available.
- 5 Click Update to install the latest version of the software. Or click Restore to restore. Follow the onscreen instructions to complete the restore process.

For more information about updating and restoring iPod touch software, go to www.apple.com/support and search for HT1414.

Safety, Software, and Service Information

The following table describes where to get more iPod touch-related safety, software, and service information.

To learn about	Do this
Using iPod touch safely	See the <i>Important Product Information Guide</i> at www.apple.com/support/manuals/ipodtouch for the latest safety and regulatory information.
iPod touch service and support, tips, forums, and Apple software downloads	Go to www.apple.com/support/ipodtouch .
The latest information about iPod touch	Go to www.apple.com/ipodtouch .
Using iTunes	Open iTunes and choose Help > iTunes Help. For an online iTunes tutorial (available in some areas only), go to www.apple.com/support/itunes .
MobileMe	Go to www.me.com .
Using iPhoto on Mac OS X	Open iPhoto and choose Help > iPhoto Help.
Using Address Book on Mac OS X	Open Address Book and choose Help > Address Book Help.
Using iCal on Mac OS X	Open iCal and choose Help > iCal Help.
Microsoft Outlook, Windows Address Book, Adobe Photoshop Album, and Adobe Photoshop Elements	See the documentation that came with those applications.
Obtaining warranty service	First follow the advice in this guide and online resources. Then go to www.apple.com/support or see the <i>Important Product Information Guide</i> at www.apple.com/support/manuals/ipodtouch .
Battery replacement service	Go to www.apple.com/support/ipod/service/battery .
Using iPod touch in an enterprise environment	Go to www.apple.com/iphone/enterprise .

Viewing the User Guide on iPod touch

The *iPod touch User Guide*, optimized for viewing on iPod touch, is available at help.apple.com/ipodtouch.

View the guide on iPod touch: In Safari, tap , then tap the *iPod touch User Guide* bookmark.

Add an icon for the guide to the Home screen: When viewing the guide, tap , then tap “Add to Home Screen.”

The *iPod touch User Guide* is available in many languages.

View guide in a different language: Tap “Change Language” at the bottom of the screen on the main contents page, then choose the language you want.

Disposal and Recycling Information

Your iPod must be disposed of properly according to local laws and regulations. Because this product contains a battery, the product must be disposed of separately from household waste. When your iPod 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/environment/recycling

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.

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

Taiwan: 警告：請勿戳刺或焚燒。此電池不含汞。

Battery Replacement: The rechargeable battery in iPod touch should be replaced only by an authorized service provider. For battery replacement services, go to:
www.apple.com/support/ipod/service/battery



European Union—Disposal Information: This symbol 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.

Apple and the Environment

At Apple, we recognize our responsibility to minimize the environmental impacts of our operations and products. For more information go to: www.apple.com/environment

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