iPod touch

User Guide

For iOS 4.1 Software

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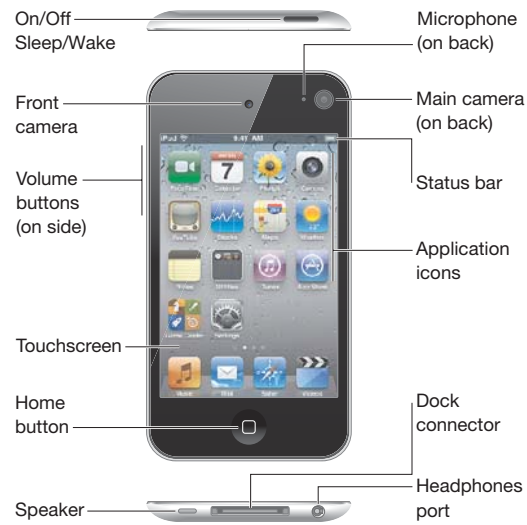
Your Home screen may look different, depending on the model of iPod touch you have and whether you have rearranged its icons.

Accessories

The following accessories are included with iPod touch:
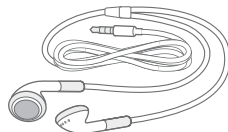
Apple Earphones   Dock Connector to USB Cable

Item	What you can do with it
Apple Earphones	Listen to music and videos, FaceTime calls, audiobooks, podcasts, and games.
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.

Buttons

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

On/Off Sleep/Wake Button

When you're not actively using iPod touch, you can lock it to turn off the display and save the battery.

When iPod touch is locked, nothing happens if you touch the screen. You can still listen to music and, while listening to music, adjust the volume using the buttons on the side of iPod touch.

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

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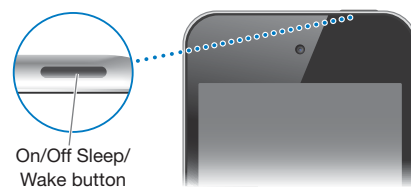
Lock iPod touch	Press the On/Off Sleep/Wake button.
Unlock iPod touch	Press the Home ⬜ button or the On/Off Sleep/Wake button, then drag the slider.
Turn iPod touch completely off	Press and hold the On/Off Sleep/Wake button for a few seconds until the red slider appears, then drag the slider.
Turn iPod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

For information about changing how long before iPod touch locks, see "Auto-Lock" on page 160. For information about setting iPod touch to require a passcode to unlock it, see "Passcode Lock" on page 160.

Home Button

Press the Home ⬭ button at any time to go to the Home screen, which contains your iPod touch apps. Tap any app icon to get started. To see apps you've recently used, double-click the Home button (iPod touch 3rd generation or later). See "Opening and Switching Apps" on page 23.

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.

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.

Volume up

Volume down
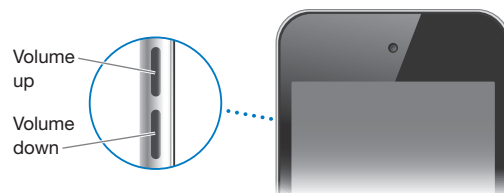
To set a volume limit for music and videos on iPod touch, see "" on page 166.

iPod touch Apps

The following apps are included with iPod touch:

Note: App functionality and availability may vary, depending on the country or region where you purchase and use 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. See Chapter 5, "Music and Videos," on page 53.
Videos	Watch purchased or rented movies and TV shows, music videos, and video podcasts on the go. Or connect iPod touch to your TV to watch on a larger screen (TV connection requires cable available for purchase separately). See Chapter 5, "Music and Videos," on page 53.
FaceTime	Make video calls to other iPod touch 4th generation or iPhone 4 users over Wi-Fi. Use the front camera to talk face to face, or the main camera to share what you see. See Chapter 6, "FaceTime," on page 67.
Camera	Take photos and record videos (iPod touch 4th generation). View them on iPod touch, email them, or upload them to your computer. Tap to set the exposure for a specific object or area. Trim and save video clips. Upload videos directly to YouTube or MobileMe. See Chapter 7, "Camera," on page 71.
Photos	View photos and videos you sync from your computer or save from Mail messages (videos only on iPod touch 4th generation or later). Zoom in on photos for a closer look. Watch a slideshow. Email photos and videos, or publish them to a MobileMe gallery. Assign images to contacts, and use them as wallpaper. View photos by place, and if you sync with iPhoto 8.0 (part of iLife '09) or later, you can view photos by events and faces. See Chapter 8, "Photos," on page 75.
Game Center	Discover new games and share your game experiences with friends around the world. Invite a friend, or request a match with other worthy opponents. Check player ranking on the leaderboards. Gain achievements for extras points. See Chapter 9, "Game Center," on page 82.
Mail	iPod touch works with MobileMe, Microsoft Exchange, and many of the most popular email systems—including Yahoo!, Google, 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. See Chapter 10, "Mail," on page 91.

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. See Chapter 11, "Safari," on page 100.
Calendar	View and search your MobileMe, iCal, Microsoft Entourage, Microsoft Outlook, or Microsoft Exchange calendars. Enter events on iPod touch and they sync back to the calendar on your computer. Subscribe to calendars. See the birthdays you've entered in Contacts. Set alerts to remind you of events, appointments, and deadlines. See Chapter 12, "Calendar," on page 105.
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. See Chapter 13, "YouTube," on page 111.
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. See Chapter 14, "Stocks," on page 116.
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. See Chapter 15, "Maps," on page 118.
Weather	Get current weather conditions and a six-day forecast. Add your favorite cities for a quick weather report anytime. See Chapter 16, "Weather," on page 126.
Notes	Jot notes on the go—reminders, grocery lists, brilliant ideas. Send them in email. Sync notes to Mail on your Mac, or Microsoft Outlook or Outlook Express on your PC. Sync notes over the air (iPod touch 3rd generation or later) with your MobileMe, Google, Yahoo!, or iMAP accounts. See Chapter 17, "Notes," on page 128.
Clock	In the Utilities folder. 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. See Chapter 18, "Clock," on page 131.

Calculator	In the Utilities folder. Add, subtract, multiply, and divide. Rotate iPod touch sideways to use expanded scientific functions. See Chapter 19, "Calculator," on page 133.
Voice Memos	In the Utilities folder. Record voice memos using the built-in microphone on iPod touch 4th generation or a compatible external microphone or headset with microphone. 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. See Chapter 20, "Voice Memos," on page 136.
iTunes	Search the iTunes Store for music, movies, TV shows, audiobooks, and more. Browse, preview, and download new releases, or see what's popular in the top charts. Rent movies and TV shows to view on iPod touch. Stream and download podcasts. See Chapter 21, "iTunes Store," on page 140.
App Store	Search the App Store for iPod touch apps 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 apps on your Home screen. See Chapter 22, "App Store," on page 148.
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. Use Location Service settings to set location privacy options for Maps and applicable third-party apps. Set auto-lock and a passcode for security. Restrict access to explicit iTunes content and certain apps. Reset iPod touch. See Chapter 23, "Settings," on page 154.
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. See Chapter 24, "Contacts," on page 174.
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.) See Chapter 25, "Nike + iPod," on page 179.
iBooks	Download the free iBooks app from the App Store for a great way to read and buy books. Get everything from classics to best sellers from the built-in iBookstore. Add ePub and PDF books to your bookshelf using iTunes. See Chapter 26, "iBooks," on page 183.

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 19.
	Network activity	Shows network activity. Some third-party apps may also use this icon to indicate an active process.
VPN	VPN	Shows that you are connected to a network using VPN. See "Network" on page 158.
	Lock	Shows that iPod touch is locked. See "On/Off Sleep/Wake Button."
	Play	Shows that a song, audiobook, or podcast is playing. See "Playing Songs and Other Audio" on page 54.
	Portrait orientation lock	Shows that the iPod touch screen is locked in portrait orientation. See "Viewing in Portrait or Landscape Orientation" on page 26.
	Alarm	Shows that an alarm is set. See "Alarms" on page 131.
	Location services	Shows that an app is using location services. See "Location Services" on page 159.
	Bluetooth*	*Blue or white icon:* Bluetooth is on and a device, such as a headset, is connected. *Gray icon:* Bluetooth is on, but no device is connected. *No icon:* Bluetooth is turned off. See "Bluetooth Devices" on page 40.
	Battery	Shows battery level or charging status. See "Charging the Battery" on page 41.

* The use of certain accessories with iPod touch may affect wireless performance.

Getting Started

2

⚠️ *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 v10.5.8 or later
   * Windows 7, Windows Vista, or Windows XP Home or Professional (SP3)
* iTunes 10 or later, available at www.itunes.com/download
* An Apple account (such as an iTunes Store account or MobileMe account) for purchases from the iTunes Store or App Store
* An Internet connection for your computer (broadband recommended)

Setting Up iPod touch

Before you can use iPod touch, you must set it up in iTunes. During setup, you can create a new Apple account or specify an existing Apple account to enable purchases with iPod touch. (The iTunes Store may not be available in all countries or regions.) iTunes also records the serial number of your iPod touch in case you need it.

Set up 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 songs, videos, and apps from your iTunes library, and with your photos on your computer. For information about customizing your sync contacts, see "Syncing with iTunes" on page 46.

Note: If you have a visual impairment, VoiceOver (iPod touch 3rd generation or later) 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 (Mac) or GW Micro Window-Eyes (PC), and automatically enables VoiceOver on iPod touch. A sighted user can also enable VoiceOver on iPod touch using Accessibility settings. See "VoiceOver" on page 190. VoiceOver may not be available in all languages.

Disconnecting iPod touch from Your Computer

You can disconnect iPod touch from your computer at any time. However, if you disconnect it while a sync is in progress, some data may not get synced until the next time you connect iPod touch to your computer.

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 the sync is complete, iTunes shows "iPod touch sync is complete."

Cancel a sync: Drag the slider on iPod touch.

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's connected to the Internet, iPod touch accesses the Internet automatically whenever you use Mail, Safari, YouTube, FaceTime, Game Center, 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 join 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 155.

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 158.

Adding Mail, Contacts, and Calendar Accounts

iPod touch works with MobileMe, Microsoft Exchange, and many of the most popular Internet-based email, contacts, and calendar service providers. 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, at www.me.com.

You can add contacts using an LDAP or CardDAV account if your company or organization supports it. See "Adding Contacts" on page 174.

You can add a CalDAV calendar account. See "Syncing Calendars" on page 105.

You can subscribe to iCal (.ics) calendars. See "Subscribing to Calendars" on page 110.

Setting Up MobileMe Accounts

To use MobileMe on iPod touch, you need to add an account with your MobileMe account settings. When setting up the account, you can choose which MobileMe services you want to use with iPod touch:

- Mail
- Contacts
- Calendars
- Bookmarks
- Notes (iPod touch 3rd generation or later)
- Find My iPod touch

Services you turn on are synced automatically over the air without having to connect iPod touch to your computer. See "Syncing Accounts" on page 45.

The Find My iPod touch service (not available in all countries or regions) 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 42.

You can set up multiple MobileMe accounts; however, only one MobileMe account at a time can be used for Find My iPod touch and for syncing contacts, calendars, and bookmarks.

Set up a MobileMe account:

1 In Settings, tap "Mail, Contacts, Calendars."
2 Tap Add Account, then tap MobileMe.
3 Enter your name, complete email address, password, and a description. The description can be whatever you like.
4 Tap the items you want to use on iPod touch—mail, contacts, calendars, bookmarks, notes, and Find My iPod touch.

Setting Up Microsoft Exchange Accounts

To use Microsoft Exchange on iPod touch, you need to add an account with your Microsoft Exchange account settings. See your service provider or system administrator for those settings.

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

- Exchange Server 2003 Service Pack 2
- Exchange Server 2007 Service Pack 1
- Exchange Server 2010

When setting up the account, you can choose which Exchange services you want to use with iPod touch:

- Mail
- Contacts
- Calendars

Services you turn on are synced automatically over the air without having to connect iPod touch to your computer. See "Syncing Accounts" on page 45.

You can set up multiple Exchange accounts.

Set up an Exchange account:

1 In Settings, tap "Mail, Contacts, Calendars."

2 Tap Add Account, then tap Microsoft Exchange.

3 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.

4 Tap the items you want to use on iPod touch (mail, contacts, and calendars) and set how many days of email you want to sync to iPod touch.

Setting Up Google, Yahoo!, and AOL Accounts

For many popular accounts (Google, Yahoo!, AOL), iPod touch enters most of the settings for you. When setting up the account, you can choose which account services you want to use with iPod touch. Services you turn on are synced automatically over the air without having to connect iPod touch to your computer. See "Syncing Accounts" on page 45.

Set up an account:

1 In Settings, tap "Mail, Contacts, Calendars."

2 Tap Add Account, then tap Google, Yahoo!, or AOL.

3 Enter your name, complete email address, password, and a description. The description can be whatever you like.

4 Tap the items you want to use on iPod touch. Available items depend upon the service provider.

Setting Up Other Accounts

Choose Other Accounts to set up other accounts for mail (such as POP), contacts (such as LDAP or CardDAV), or calendars (such as CalDAV). Contact your service provider or system administrator to get the account settings you need.

Set up an account:

1 In Settings, tap "Mail, Contacts, Calendars."

2 Tap Add Account, then tap Other.

3 Choose the account type you want to add (Mail, Contacts, or Calendars).

4 Enter your account information and tap Save.

Basics

<div style="text-align: right">3</div>

Using Apps

The high-resolution Multi-Touch screen and simple finger gestures make it easy to use iPod touch apps.

Opening and Switching Apps

You open an app on iPod touch by tapping its icon on the Home screen.

Return to the Home screen: Press the Home ○ button below the display.

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.

On iPod touch 3rd generation or later, you can quickly switch between the apps you're using; multitasking also allows certain apps to run in the background.

View the most recently used apps (iPod touch 3rd generation or later): Double-click the Home button.

The four most recently used app are shown at the bottom of the screen. Flick left to see more apps.

Note: On iPod touch 2nd generation, double-clicking the Home button performs the action specified by the Home Button setting. See "Home Button" on page 159.

Remove an app from the recents list: Touch and hold the app icon until it begins to jiggle, then tap ⊖.

The app is added to recent apps again the next time you open it.

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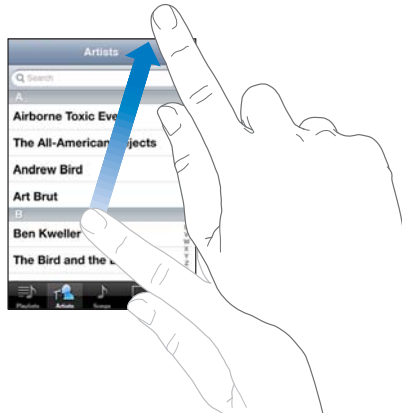
You can wait for the scrolling to come to a stop, or touch anywhere on the screen to stop it immediately. Touching the screen to stop scrolling won't choose or activate anything.

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

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.

Index
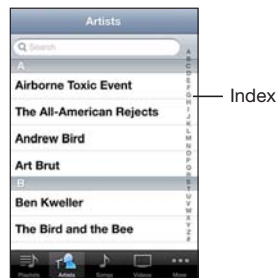
Choose an item: Tap an item in the list.

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.

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 Portrait or Landscape Orientation

Many iPod touch apps 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 orientation for viewing webpages in Safari, or when entering text, for example. In landscape orientation:

*   Webpages scale to the wider screen, making the text and images larger.
*   The onscreen keyboard is larger, which may help increase your typing speed and accuracy.

The following apps support both portrait and landscape orientation:

*   Music and Videos
*   Mail
*   Safari
*   Notes

- Contacts
- Stocks
- Photos
- Calculator

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

Lock the iPod touch screen in portrait orientation (iPod touch 3rd generation or later): Double-click the Home button, flick the bottom of the screen from left-to-right, then tap ⊙.

The portrait orientation lock ⊙ icon appears in the status bar when the screen orientation is locked.

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. You can also organize apps by grouping them in folders.

Rearranging Icons

You can arrange the icons on your Home screen in any order you want.

Rearrange icons:

1 Touch and hold any icon on the Home screen until it begins to jiggle.

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 104.

When iPod touch is connected to your computer, you can rearrange icons on the Home screen and the order of the screens. In iTunes, select iPod touch in the Devices list, then click Apps at the top of the screen.

Move an icon to another screen: While arranging icons, drag an icon to the side of the screen.

Create additional Home screens: While arranging icons, flick to the right-most Home screen and drag an icon to the right edge of the screen until a new screen appears.

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

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

Resetting the Home screen removes any folders you've created and applies the default wallpaper to your Home screen.

Organizing with Folders

Folders let you organize icons on the Home screen. You can put up to 12 icons in a folder. iPod touch automatically names a folder when you create it, based on the icons you use to create the folder, but you can change the name anytime you want. Like icons, folders can be rearranged by dragging them around the Home screen. You can move folders to a new Home screen or to the Dock.

Create a folder: Touch and hold an icon until the Home screen icons begin to jiggle, then drag the icon onto another icon.

iPod touch creates a new folder that includes the two icons, and shows the folder's name. You can tap the name field and enter a different name.

You can also create folders within iTunes.

Create a folder using iTunes: With iPod touch connected to your computer, select iPod touch in the Devices list in iTunes. Click Apps at the top of the screen, and on the Home screen near the top of the window, drag an app on top of another.

Add an icon to a folder	While arranging icons, drag the icon onto the folder.
Remove an icon from a folder	While arranging icons, tap to open the folder, then drag the icon out of the folder.
Open a folder	Tap the folder. You can then tap an app icon to open that app.
Close a folder	Tap outside the folder, or press the Home button.
Delete a folder	Move all icons out of the folder. The folder is deleted automatically when empty.
Rename a folder	While arranging icons, tap to open the folder, then tap the name at the top and use the keyboard to enter a new name. Press the Home button to save your changes.

When you finish organizing your Home screen, press the Home ◯ button to save your changes.

Some apps, such as Mail and the App Store, display a badge on their Home screen icon with a number (to indicate incoming items) or exclamation mark (to indicate a problem). If these apps are contained in a folder, the badge appears on the folder. A numbered badge shows the total number of items you haven't attended to, such as incoming email messages and updated apps to download. An alert badge indicates a problem with an app in the folder.

Adding Wallpaper

You can set an image or photo as wallpaper for the Lock screen. On iPod touch 3rd generation or later, you can also set wallpaper for your Home screen. You can choose an image that came with iPod touch, or a photo synced to iPod touch from your computer.

Set wallpaper (iPod touch 3rd generation or later):

1 In Settings, choose Wallpaper, tap the image of the Lock and Home screens, then tap Wallpaper or an album.

2 Tap to choose an image or photo. If you chose a photo, drag to position it and pinch to zoom in or out, until it looks the way you want.

3 Tap Set, then choose whether you want to use the photo as wallpaper for your Lock Screen, Home screen, or both.

Set wallpaper (iPod touch 2nd generation):

1 Choose Settings > Wallpaper, then tap Wallpaper or an album.

2 Tap to choose an image or photo. If you choose a photo, drag it to position it and pinch to zoom in or out, until it looks the way you want.

3 Tap Set Wallpaper.

Typing

The onscreen keyboard appears anytime you need to type.

Entering Text

Use the keyboard to enter text, such as contact information, email, and web addresses. The keyboard corrects misspellings, predicts what you're typing, and learns as you use it.

Depending on the app you're using, the intelligent keyboard may 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.

Delete the previous character	Tap ⌫.
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 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.

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.

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

- *To use the suggested word,* type a space, punctuation mark, or return character.

iPod touch also underlines words you've already typed that might be misspelled.

Use spell checking to replace a misspelled word: Tap the underlined word, then tap one of the suggested corrections.
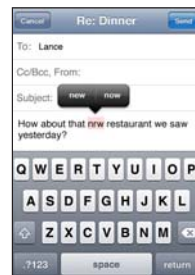
If none of the suggestions is correct, you can correct the spelling of the selected word by retyping it. To leave the word unchanged, tap somewhere else in the message area.

Turn auto-correction and spell checking on or off: Choose General > Keyboard, then turn Auto-Correction on or off. Auto-Correction is on by default.

Editing—Cut, Copy, and Paste

The touchscreen makes it easy to make changes to text you've entered. An onscreen magnifying glass helps you position the insertion point precisely where you need it. Grab points on selected text let you quickly select more or less text. You can also cut, copy, and paste text and photos within apps, or across multiple apps.

Position the insertion point: Touch and hold to bring up the magnifying glass, then drag to position the insertion point.
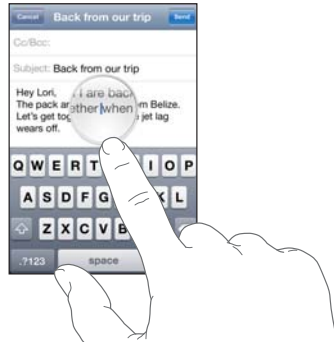
Select text: Tap the insertion point to display the selection buttons. Tap Select to select the adjacent word or tap Select All to select all text. You can also double-tap to select a word. In read-only documents, such as webpages or email you've received, touch and hold to select a word.

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

International keyboards allow you to enter text in many different languages, including languages that are written from right to left. If you want to enter text in other languages, you can use Settings to make additional keyboards available when you type.

For a list of supported keyboards, go to www.apple.com/ipodtouch/specs.html.

Add a keyboard:

1 In Settings, choose General > Keyboard > International Keyboards.

   The number before the arrow indicates the number of keyboards currently enabled.

2 Tap Add New Keyboard, then choose a keyboard from the list.

   Repeat to add more keyboards. Some languages have multiple keyboards available.

   Switch keyboards when you're typing: Tap ⊕. When you tap the symbol, the name of the newly activated keyboard appears briefly.

   You can also touch and hold ⊕ to display a list of available keyboards. To choose a keyboard from the list, slide your finger to the name of the keyboard, then release.
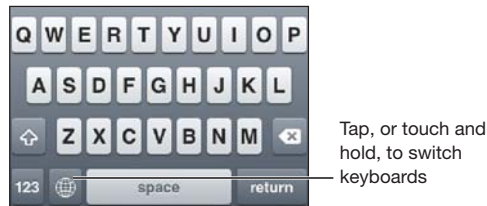
Tap, or touch and hold, to switch keyboards

Edit your keyboard list: Choose General > Keyboard > International Keyboards, then tap Edit and do one of the following:

- *To delete a keyboard,* tap ⊖, then tap Delete.
- *To reorder the list,* drag ☰ next to a keyboard to a new place in the list.

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 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 facemarks	Using the Japanese Kana keyboard, tap the "^_^" key.
	Using the Japanese Romaji keyboard (QWERTY-Japanese layout), tap the Number ⌨123 key, then tap the "^_^" key.
	Using the Chinese (Simplified or Traditional) Pinyin or (Traditional) Zhuyin keyboards, tap the Symbols ⌨ key, then tap the "^_^" key.
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 suggestion to choose it, or continue entering Pinyin to see more options.
	If you keep entering Pinyin without spaces, sentence suggestions appear.
Enter Chinese Cangjie	Use the keyboard to build Chinese characters from the component Cangjie keys. As you type, suggested Chinese characters appear. Tap a character to choose it, or continue typing up to five total components to see more character options.
Enter Simplified Chinese Stroke (Wubi Hua)	Use the keypad to build Chinese characters using up to five strokes in the correct writing sequence: from left to right, top to bottom, outside to inside, and from inside to the closing stroke (for example, the Chinese character 圈 should begin with the vertical stroke 丨).
	As you type, suggested Chinese characters appear (the most commonly used characters appear first). Tap a character to choose it.
	If you're not sure of the correct stroke, enter an asterisk (*). To see more character options, type another stroke, or scroll through the character list.
	Tap the 匹配 key to show only characters that match exactly what you typed. For example, if you type 一一 and tap 匹配, the less commonly used 二 appears as an exact match.
Enter Traditional Chinese Zhuyin	Use the keyboard to enter Zhuyin letters. As you type, suggested Chinese characters appear. Tap a suggestion to choose it, or continue entering Zhuyin letters to see more options. After you type an initial letter, the keyboard changes to show more letters.
	If you keep entering Zhuyin without spaces, sentence suggestions appear.

Enter handwritten Simplified or Traditional Chinese	Write Chinese characters directly on the screen 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 likely follow-on characters appear in the list as additional choices.
	You can get some complex characters by writing two or more component characters. For example, enter 魚 (fish), then 巤 (bristle), to get 鱲 (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.
	With Simplified Chinese handwriting, Roman characters are also recognized.
Convert between Simplified and Traditional Chinese	Select the character or characters you want to convert, then tap Replace. See "Editing—Cut, Copy, and Paste" on page 33.
Enter Vietnamese	Touch and hold a character to see the available diacritical marks, then slide to choose the one you want.
	You can also type the following key sequences to enter characters with diacritical marks:
	• aa—â
	• aw—ă
	• ee—ê
	• oo—ô
	• ow—ơ
	• w—ư
	• dd—đ
	• as—á
	• af—à
	• ar—ả
	• ax—ã
	• aj—ạ

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

Touchpad
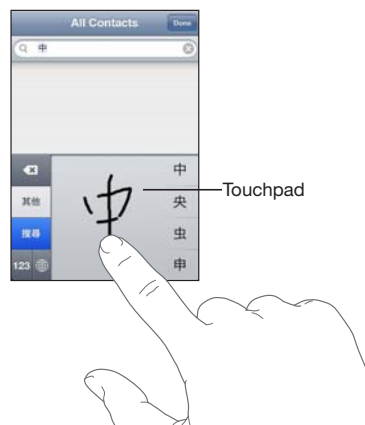
Keyboard Layouts

You can use Settings to set the keyboard layouts for software and hardware keyboards. The available layouts depend on the keyboard language.

Select a keyboard layout: In Settings, choose General > Keyboard > International Keyboards, then select a keyboard. For each language, you can make separate selections for both the onscreen software and any external hardware keyboards.

The software keyboard layout determines the layout of the keyboard on the iPod touch screen. The hardware keyboard layout determines the layout of an Apple Wireless Keyboard connected to iPod touch.

Using an Apple Wireless Keyboard

For ease of typing, you can use an Apple Wireless Keyboard (available separately; iPod touch 3rd generation or later).

The Apple Wireless Keyboard connects via Bluetooth, so you must pair the keyboard with iPod touch. See "Pairing a Bluetooth Device with iPod touch" on page 40.

Once the keyboard is paired with iPod touch, it connects whenever the keyboard is within range (up to 30 feet). You can tell that the keyboard is connected if the onscreen keyboard doesn't appear when you tap in a text field.

Switch the language when using a hardware keyboard: Press and hold the Command key, then tap the space bar to display a list of available languages. Tap the space bar again to choose a different language.

Disconnect a wireless keyboard from iPod touch: Press and hold the power button on the keyboard until the green light goes off.

iPod touch disconnects the keyboard when it's out of range.

Unpair a wireless keyboard from iPod touch: In Settings, choose General > Bluetooth, tap next to the device name, then tap "Forget this Device."

You can apply different layouts to a wireless keyboard. See "International Keyboards" on page 34 and "Keyboard Layouts" on page 37.

Searching

You can search many apps on iPod touch, including Mail, Calendar, Music, Videos, Notes, and Contacts. You can search an individual app, or search all apps at once using Search.

Go to Search: On the main Home screen, flick left to right or press the Home ⬜ button.

From the Search screen, press the Home ⬜ button to return to the main Home screen page.

Search iPod touch: On the Search screen, enter text in the Search field. Search results appear as you type. Tap an item in the list to open it. Tap Search to dismiss the keyboard and see more results.

Icons next to the search results show which app the results are from.

iPod touch may display a top hit for you at the top of the list, based on your previous searches. The Safari search results include options to search the web or to search Wikipedia.

App	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, locations, and notes
Music and Videos	Music (names of songs, artists, and albums) and the titles of podcasts, videos, and audiobooks
Notes	Text of notes

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

Open apps from Search: Enter the app name, then tap to open the app directly from the search results.

Use the Spotlight Search setting to specify which contents are searched and the order the results are presented in. See "Spotlight Search" on page 160.

Voice Control

Voice Control (iPod touch 3rd generation or later) lets you control iPod music playback using voice commands.

Note: Voice Control may not be available in all languages. To use Voice Control with iPod touch 3rd generation, you need Apple Earphones with Remote and Mic, or a compatible accessory with a microphone.

Use Voice Control: Press and hold the Home button until the Voice Control screen appears and you hear a beep.

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."
Find out the current time	Say "what time is it?" or "what is the time?"
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.

For more about using Voice Control, including information about using Voice Control in different languages, go to support.apple.com/kb/HT3597.

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

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

See "Using Voice Control with iPod" on page 57.

Bluetooth Devices

You can use iPod touch with the Apple Wireless Keyboard and other Bluetooth devices, such as Bluetooth stereo headphones. For supported Bluetooth profiles, go to support.apple.com/kb/HT3647.

Pairing a Bluetooth Device with iPod touch

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

Before you can use a Bluetooth device with iPod touch, you must first pair them.

Pair a Bluetooth headset, car kit, or other device with iPod touch:

1 Follow the instructions that came with the device to make it discoverable or to set it to search for other Bluetooth devices.

2 In Settings, choose General > Bluetooth and turn Bluetooth on.

3 Choose the device on iPod touch, and enter its passkey or PIN number. See the instructions about the passkey or PIN that came with the device.

After you pair headphones with iPod touch, the product name and ⁑ 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.

Pair an Apple Wireless Keyboard with iPod touch:

1 In Settings, choose General > Bluetooth and turn Bluetooth on.

2 Press the power button on the Apple Wireless Keyboard to turn it on.

3 On iPod touch, select the keyboard listed under Devices.

4 Type the passkey on the keyboard as instructed, then press Return.

Note: You can pair only one Apple Wireless Keyboard with iPod touch at a time. To pair a different keyboard, you must first unpair the current one.

For more information, see "Using an Apple Wireless Keyboard" on page 37.

Bluetooth Status

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

- $\ast$ *or* $\ast$*:* Bluetooth is on and a device is connected to iPod touch. (The color depends on the current color of the status bar.)

- $\ast$*:* 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

You can unpair a Bluetooth device if you don't want to use it with iPod touch any more.

Unpair a Bluetooth device:

1 In Settings, choose General > Bluetooth and turn Bluetooth on.

2 Tap ⊙ next to the device name, then tap "Forget this Device."

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.

Charging   Charged

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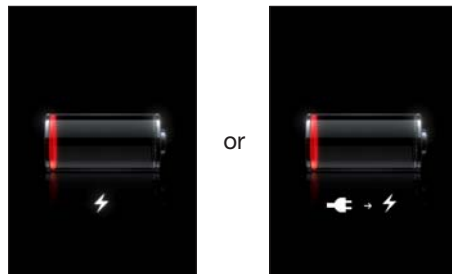
Maximizing Battery Life
iPod touch uses lithium-ion batteries. To learn more about how to maximize the lifespan and battery life of your iPod touch, go to www.apple.com/batteries.

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.

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

Set a passcode: Choose Settings > 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.

Setting a passcode turns on data protection (iPod touch 3rd generation or later). Data protection uses your passcode as the key for encrypting mail messages and their attachments stored on iPod touch. (Data protection may also be used by some apps available in the App Store.) A notice at the bottom of the Passcode Lock screen in Settings indicates when data protection is enabled.

To increase the security of iPod touch, turn off Simple Passcode and use a longer passcode with a combination of numbers, letters, punctuation, and special characters. See "Passcode Lock" on page 160.

Important: On an iPod touch 3rd generation that didn't ship with iOS 4 or later, you must also restore iOS software to enable data protection. See "Restoring iPod touch" on page 207.

Find My iPod touch

Find My iPod touch (not available in all countries or regions) helps you locate and retrieve your iPod touch using a web browser with an Internet connection. Find My iPod touch includes:

- **Find:** Locates your iPod touch on a full-screen map on your computer
- **Display a Message or Play a Sound:** Lets you compose a message that will appear on your iPod touch screen, or play a sound at full volume for two minutes, even if the Ring/Silent switch is set to silent
- **Remote Passcode Lock:** Lets you remotely lock your iPod touch and create a 4-digit passcode, if you haven't set one previously
- **Remote Wipe:** Lets you erase all media and data on iPod touch, restoring it to factory settings

Note: Find My iPod touch requires a MobileMe account, and may not be available in all countries or regions. MobileMe is an online service, available by subscription. For more information, go to www.apple.com/mobileme.

To enable these features, turn on Find My iPod touch in your MobileMe account settings. See "Setting Up MobileMe Accounts" on page 20.

Use Find My iPod touch: Log in to your MobileMe account at www.me.com and go to the Find My iPhone section. Follow the onscreen instructions to locate your device on a map and use the other Find My iPod touch features.

Cleaning iPod touch

Clean iPod touch immediately if it comes in contact with any contaminants that may cause stains, such as ink, dyes, makeup, dirt, food, oils, and lotions. To clean iPod touch, disconnect all cables and turn off iPod touch (press and hold the On/Off 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 more 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 iPod touch, force quitting an app, or resetting iPod touch.

Restart iPod touch: Press and hold the On/Off 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 On/Off Sleep/Wake button until the Apple logo appears.

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

Force quit an app: Press and hold the On/Off Sleep/Wake button for a few seconds until a red slider appears, then press and hold the Home button until the app quits.

On iPod touch 3rd generation or later, you can also remove an app from the recents list to force it to quit. See "Opening and Switching Apps" on page 23.

Reset iPod touch: Press and hold the On/Off 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, "Support and Other Information," on page 205.

Syncing and File Sharing 4

About Syncing

Syncing copies information from your computer or online account to iPod touch, then keeps the information "in sync" by copying changes made in one location to the other.

You use iTunes on your computer to sync:

- contacts, calendars, browser bookmarks, and notes
- iOS apps
- music, movies, and other iTunes content
- photos and videos

By default, syncing occurs whenever you connect iPod touch to your computer.

You can also configure iPod touch to access accounts with online service providers such as MobileMe, Microsoft Exchange, Google, Yahoo!, and others. Your information on those services is synced over the air.

Syncing Accounts

MobileMe, Microsoft Exchange, Google, Yahoo!, and other online service providers sync information—which might include contacts, calendars, browser bookmarks, and notes (iPod touch 3rd generation or later)—via your Wi-Fi Internet connection (over the air), so that you don't have to connect iPod touch to your computer. Syncing notes over the air is available on iPod touch 3rd generation or later.

Some service providers—including MobileMe and Microsoft Exchange—*push* information updates. This means that syncing happens whenever any information is changed. The Push setting in Fetch New Data must be turned on (it's on by default). Other providers sync by periodically "fetching" changes that have occurred. Use the Fetch setting to determine how frequently this happens. See "Fetch New Data" on page 169.

For information about setting up accounts on iPod touch, see "Adding Mail, Contacts, and Calendar Accounts" on page 19.

Syncing with iTunes

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

*   Music
*   Movies
*   TV Shows
*   Games and apps downloaded from the App Store
*   Music videos
*   Podcasts
*   Books and audiobooks
*   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
*   Email account settings
*   Webpage bookmarks

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

Music, audiobooks, podcasts, books, iTunes U collections, videos, and apps are synced from your iTunes library. If you don't already have content in iTunes, the iTunes Store (not available in all countries or regions) makes it easy to preview content and download it 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 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 "Adding 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 apps 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 user account on your computer before connecting iPod touch.

Set up iTunes syncing:

1 Connect iPod touch to your computer, and open iTunes.

2 In iTunes, select iPod touch in the Devices list.

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 touch 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.
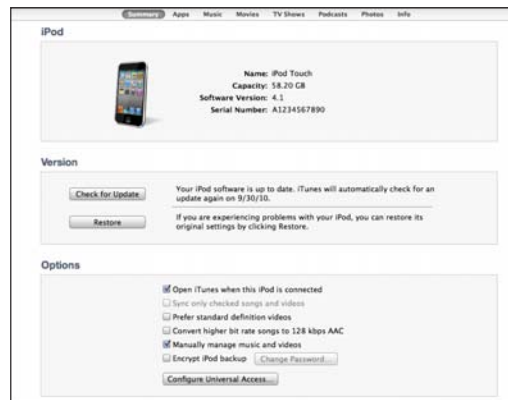
Note: Buttons for additional panes may appear in iTunes, depending on the types of content in your iTunes library.

Summary Pane

Select "Open iTunes when this iPod touch 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, see "Automatic iTunes Syncing" on page 50.

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

Select "Convert higher bit rate songs to 128 kbps AAC" if you want iTunes to convert larger audio files to the standard iTunes audio format during 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 51.

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 lock 🔒 icon, and a password is required to restore the information to iPod touch. See "Backing Up iPod touch" on page 205.

Click Configure Universal Access to turn on Accessibility features (iPod touch 3rd generation or later). See Chapter 27, "Accessibility," on page 189.

Apps Pane
Use the Apps Pane to sync App Store apps, arrange apps on the iPod touch Home screen, or copy documents between iPod touch and your computer.

Select "Automatically sync new apps" to sync new apps to iPod touch that you downloaded or synced from another device. If you delete an app on iPod touch, you can reinstall it from the Apps pane as long as it was previously synced.

You can create documents on iPod touch with apps that support file sharing, and then copy those documents to your computer. You can also copy documents from your computer to iPod touch, and use them with apps that support file sharing. See "File Sharing" on page 52.

Music, Movies, TV Shows, Podcasts, iTunes U, and Books Panes
Use these panes to specify the media you want to sync. You can sync all music, movies, TV shows, podcasts, iTunes U collections, books and audiobooks, or select the content you want.

If you create a playlist folder (collection of playlists) in iTunes, the folder and its playlists will be synced to iPod touch. You can't create playlist folders directly on iPod touch.

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.

If you want to watch a rented movie from your computer on iPod touch, sync it to iPod touch using the Movies pane in iTunes.

Only songs and videos encoded in formats that iPod touch supports are synced to iPod touch. For information about which formats iPod touch supports, go to www.apple.com/ipodtouch/specs.html.

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

Photos Pane

On a Mac, you can sync photos with Aperture or iPhoto 4.0.3 or later, and videos with iPhoto 5 or later. On a PC, you can sync photos with Adobe Photoshop Elements 8.0 or later. You can also sync photos and videos from any folder on your Mac or PC 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 Contacts (Vista and Windows 7), or Microsoft Outlook 2003, 2007, or 2010 on a PC. (On a Mac, you can sync contacts with multiple applications. On a PC, you can sync contacts with 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, 2007, or 2010 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 app on iPod touch with notes in Mail on a Mac or with Microsoft Outlook 2003, 2007, or 2010 on a PC.

- Mail Accounts

  You can sync email account settings from Mail on a Mac, and from Microsoft Outlook 2003, 2007, or 2010 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.

Automatic iTunes Syncing

By default, iPod touch syncs whenever you connect it to iTunes. You can prevent iPod touch from syncing when you connect iPod touch to a computer other than the one you usually sync with.

Turn off automatic syncing for iPod touch:

1 Connect iPod touch to your computer.

2 In iTunes, select iPod touch in the Devices list, then click Summary at the top of the screen.

3 Deselect "Open iTunes when this iPod touch is connected."

When automatic syncing is turned off, you can still sync by clicking the Sync button.

Prevent automatic syncing for all iPods, iPhones, and iPads:

1 In iTunes, choose iTunes > Preferences (on a Mac) or Edit > Preferences (on a PC).

2 Click Devices, then select "Prevent iPods, iPhones, and iPads from syncing automatically."

If this checkbox is selected, iPod touch won't sync, even if "Open iTunes when this iPod touch 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.

Manually Managing Content

The manually managing feature lets you choose just the music, videos, 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 Summary at the top of the screen 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 iPod touch in the iTunes sidebar, and click its disclosure triangle to show 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.

Note: Genius does not work if you manually manage content. See "Using Genius on iPod touch" on page 59.

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 Apple 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. In iTunes, choose File > Transfer Purchases from iPod touch.

File Sharing

File Sharing lets you transfer files between iPod touch and your computer. You can share files created with a compatible app and saved in a supported format.

Apps that support file sharing appear in the File Sharing Apps list in iTunes. For each app, the Files list shows the documents that are on iPod touch. See the app's documentation for how it shares files; not all apps support this feature.

Transfer a file from iPod touch to your computer:

1 Connect iPod touch to your computer.

2 In iTunes, select iPod touch in the Devices list, then click Apps at the top of the screen.

3 In the File Sharing section, select an app from the list on the left.

4 On the right, select the file you want to transfer, then click "Save to" and choose a destination on your computer.

Transfer a file from your computer to iPod touch:

1 Connect iPod touch to your computer.

2 In iTunes, select iPod touch in the Devices list, then click Apps at the top of the screen.

3 In the File Sharing section, click Add.

4 Select a file, then click Choose (Mac) or OK (PC).

The file is transferred to your device and can be opened using an app that supports that file type. To transfer more than one file, select each additional file.

Delete a file from iPod touch: Select the file in the Files list, then tap Delete.

Music and Videos

5

Use the Music and Videos apps to enjoy your favorite music, widescreen videos, and more. Browse your content on iPod touch by playlist, artists, songs, videos, or other categories, or browse your album artwork using Cover Flow.

Getting Music, Videos, and More

There are two ways to get music, videos, and other content onto iPod touch:

- Transfer music, videos, and more onto iPod touch by syncing content from iTunes on your computer. You can sync all of your media, or you can select specific songs, videos, podcasts, and iTunes U collections. See "Syncing with iTunes" on page 46.

- 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. After listening to a podcast or watching a TV show, you can tap a built-in link to get more episodes from the iTunes Store. See Chapter 21, "iTunes Store," on page 140.

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 your album artwork.

You can listen to audio from the internal speaker, 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 and Other Audio

You can browse content on iPod touch by playlists, artists, songs, videos, and other categories, or browse your album artwork using Cover Flow. Playlist folders, which you can sync from iTunes, let you organize playlists into groups.

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

You can replace the browse buttons at the bottom of the screen with buttons you use more frequently. See "Changing the Browse Buttons" on page 66.

Get more podcast episodes: Tap Podcasts (tap More first, if Podcasts isn't visible), then tap a podcast to see a list of episodes. Tap "Get More Episodes…" to see a list of more episodes in the iTunes Store.

Browse Genius Mixes: Tap Genius (tap More first, if Genius isn't visible). If Genius doesn't appear, you need to turn on Genius in iTunes, and then sync iPod touch with iTunes. See "Using Genius on iPod touch" on page 59.

Play a song: Tap the song.

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

You can turn Shake to Shuffle on or off in Settings > Music (it's on by default). See "" on page 166.

Controlling Audio Playback

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

Back

Track List

Play/Pause

Next/Fast-forward

Previous/ Rewind

Volume
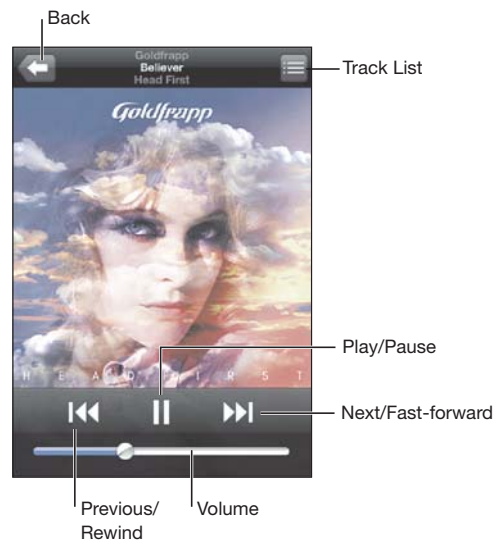
Pause a song	Tap ⏸.
Resume playback	Tap ▶.
Raise or lower the volume	Drag the volume slider or use the buttons on the side of iPod touch.
Restart a song or a chapter in an audiobook or podcast	Tap ⏮.
Skip to the next song or chapter in an audiobook or podcast	Tap ⏭.
Go to the previous song or chapter in an audiobook or podcast	Tap ⏮ twice.
Rewind or fast-forward	Touch and hold ⏮ or ⏭. The longer you hold the control, the faster the song rewinds or fast-forwards.
Return to the iPod browse lists	Tap ◀, or swipe to the right over the album artwork.
Return to the Now Playing screen	Tap Now Playing.
Display a song's lyrics	Tap the album artwork when playing a song. (Lyrics appear if you've added them to the song using the song's Info window in iTunes.)

Display audio playback controls from another app or from the Lock screen (iPod touch 3rd generation or later): Double-click the Home ⎕ button, then flick from left to right along the bottom of the screen.

The controls operate the currently playing app, or the most recent app that played, if the audio is paused. The icon for the active app appears on the right. You can tap the icon to open the app.

If iPod touch is locked and music is playing, double-click the Home button.

Note: On iPod touch 2nd generation, if you're listening to music while using another app, or if iPod touch is locked, you can display the playback controls by double-clicking the Home ⎕ button.

Additional Audio Controls

To display additional controls, tap the album artwork on the Now Playing screen.

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.
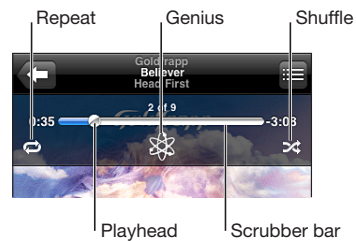
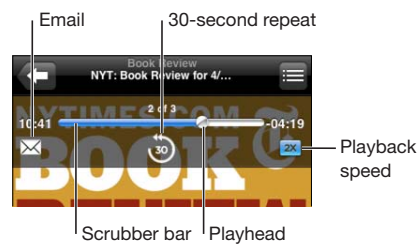|	
Set iPod touch to repeat songs	Tap ⟳. Tap ⟳ again to set iPod touch to repeat only the current song. ⟳ = iPod touch is set to repeat all songs in the current album or list. ⟳ = iPod touch is set to repeat the current song over and over. ⟳ = iPod touch isn't set to repeat songs.
Skip to any point in 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 ⚛. The Genius playlist appears, with buttons that let you create a new Genius playlist, refresh the current one, or save the playlist. See "Using Genius on iPod touch" on page 59.
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.
Hide lyrics	In Settings, choose Music, then turn Lyrics & Podcast Info off.

Podcast and Audiobook Controls

Additional controls and information appear on the Now Playing screen when you begin playback.

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.

Email   30-second repeat

Playback speed

Scrubber bar   Playhead

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 1X. Tap again to change the speed. 2X = Play at double speed. ½X = Play at half speed. 1X = Play at normal speed.
Show or hide the controls	Tap in the center of the screen.
Hide podcast information	In Settings, choose Music, then turn Lyrics & Podcast Info off.

Using Voice Control with iPod

You can use Voice Control (iPod touch 3rd generation or later) to control music playback on iPod touch.
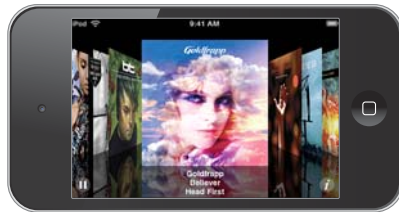
Note: iPod touch 3rd generation requires the Apple Earphones with Remote and Mic or a compatible accessory with microphone. Voice Control may not be available in all languages.

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.

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 Artwork 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 artwork	Drag left or right.
See the tracks on an album	Tap the album artwork or ⓘ.
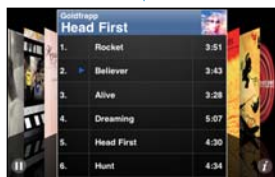
Play any track	Tap the track. Drag up or down to scroll through the tracks.
Return to the artwork	Tap the title bar. Or tap ⓘ again.
Play or pause the current song	Tap ▶ or ❚❚.

Viewing All Tracks on an Album

See all the tracks on the album that contains the current song: On the Now Playing screen, tap ![list icon]. Tap a track to play it. Tap the album artwork thumbnail to return to the Now Playing screen.

Rating bar

Back to Now Playing screen

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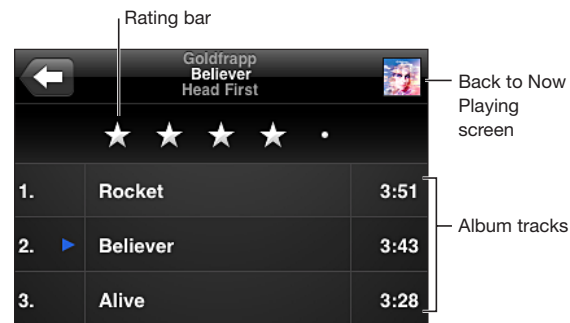
In track list view, you can assign ratings to songs. You can use ratings to create smart playlists in iTunes that dynamically update to include, for example, your highest rated songs.

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

Searching Audio Content

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

Audio content is included in searches from the Home screen. See "Searching" on page 38.

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 automatically for you by 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 it requires an Apple account.

When you sync a Genius Mix, iTunes may select and sync songs from your library that you haven't specifically chosen to sync.

Browse Genius Mixes: Tap Genius (tap More first, if Genius isn't visible). 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.
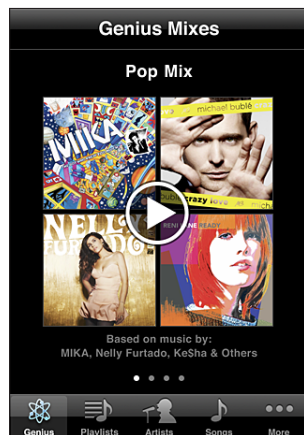
Play a Genius Mix: Tap the mix or tap ▶.

Make a Genius playlist on iPod touch:

1 Tap Playlists (tap More first, if Playlists isn't visible), then tap Genius Playlist.

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. Tap the album artwork on the Now Playing screen 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.

Make a Genius playlist using a different song: Tap Genius Playlist, then tap New and pick a song.

Delete a saved Genius playlist: Tap the Genius playlist, then tap Delete.

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 Playlists

You can create and edit your own playlists on iPod touch. You can also edit playlists synced from iTunes on your computer.

Make a playlist:

1   Tap Playlists (tap More first, if Playlists isn't visible), then tap "Add Playlist…"

2   Type a name for your playlist, then tap Save.

3   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.

4   When you finish, tap Done.

When you make a playlist and then sync iPod touch to your computer, the playlist is synced to your iTunes library.

Edit a playlist:

1   Tap Playlists (tap More first, if Playlists isn't visible), then tap the playlist you want to edit.

2   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 a playlist doesn't delete it from iPod touch.

   • *To add more songs,* tap ✚.

3   When you finish, tap Done.

When you edit a playlist and then sync iPod touch to your computer, the playlist is synced to your iTunes library.

Delete a playlist: In Playlists, tap the playlist you want to delete, then tap Delete (scroll to the top of the list to reveal the Delete button). Confirm by tapping Delete Playlist.

Clear a playlist: In Playlists, tap the playlist you want to clear, then tap Clear (scroll to the top of the list to reveal the Clear button). Confirm by tapping Clear Playlist.

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 (tap More first, if Videos isn't visible), then tap the video.
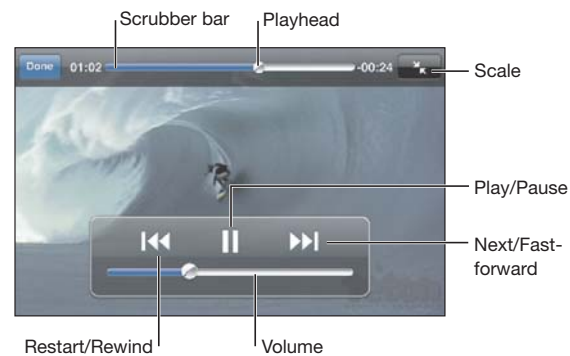
Display playback controls: Tap the screen to show the controls. Tap again to hide them.

Get more podcast or TV show episodes: Tap Videos (tap More first, if Videos isn't visible), then tap a podcast or TV show to see a list of episodes. Tap "Get More Episodes…" to see a list of more episodes in the iTunes Store.

Controlling Video Playback

Videos play in landscape orientation to take full advantage of the widescreen 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.

Scrubber bar   Playhead

Scale

Play/Pause

Next/Fast-forward

Restart/Rewind   Volume

Pause a video	Tap ❚❚.
Resume playback	Tap ▶.
Raise or lower the volume	Drag the volume slider.
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 ▶▶❘.
Go to the previous chapter (if available)	Tap ❘◀◀.

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 switch 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 for Videos

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

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

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

Video content is included in searches from the Home screen. See "Searching" on page 38.

Watching Rented Movies and TV Shows

You can rent movies from the iTunes Store and watch them on iPod touch. You can download rented movies and TV shows directly to iPod touch, or transfer movies from iTunes on your computer to iPod touch. (Rented movies and TV shows may not be available in all countries or regions.)

See "Purchasing or Renting Videos" on page 144.

A movie or TV show must be completely downloaded before you can start watching it. You can pause a download and resume it later.

Rented movies and TV shows expire after a certain time, and once you start a movie or TV show you have a limited amount of time to finish watching it. The time remaining appears near the title. Rented items are automatically deleted when they expire. Before renting a movie or TV show, check the iTunes Store for the rental period.

View a rented movie or TV show: Tap Videos (tap More first, if Videos isn't visible), then select the movie or TV show.

On iPod touch 2nd generation and iPod touch 3rd generation, you can transfer rented movies between iPod touch and your computer. On iPod touch 4th generation, you can transfer rented movies between iPod touch and your computer only if they were rented in iTunes on your computer. Movies rented on iPod touch 4th generation cannot be transferred to your computer.

Transfer a rented movie between iPod touch and your computer:
1 Connect iPod touch to your computer.
2 In iTunes, select iPod touch in the Devices list, then click Movies.
3 Click Move next to the item you want to transfer, then click Apply.

Your computer must be connected to the Internet.

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. Go to www.apple.com/ipodstore (may not be available in all countries or regions) or check with your local Apple retailer.

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.

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.

Deleting a video from iPod touch (other than a rented movie or TV show) doesn't delete the video from your iTunes library. It may reappear on iPod touch if the video in iTunes is still set to sync.

Important: If you delete a rented movie or TV show 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 app, 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.
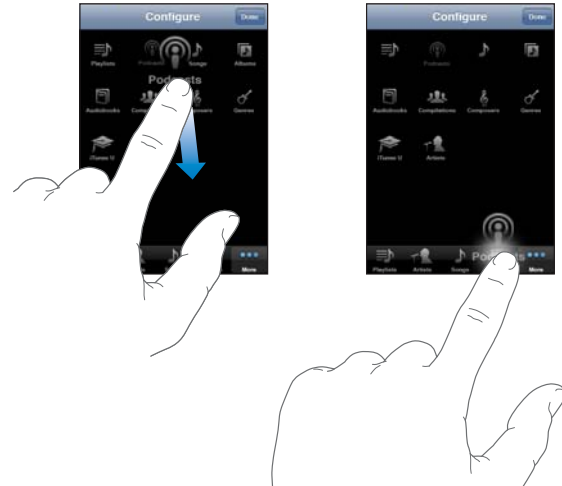
You can drag the buttons at the bottom of the screen left or right to rearrange them. Tap Done when you finish. Tap More at any time to access the buttons you replaced.

FaceTime

6

About FaceTime

FaceTime lets you make video calls over Wi-Fi. Use the front camera to talk face-to-face, or the main camera to share what you see around you.

To use FaceTime, you need an iPod touch 4th generation and a Wi-Fi Internet connection. For help, see "Connecting to the Internet" on page 19. The person you're calling must also have a Wi-Fi Internet connection, no matter whether they have an iPod touch 4th generation or an iPhone 4.

Note: FaceTime may not be available in all countries or regions.

Signing In

To sign in to FaceTime, you need an Apple ID. If you already have an iTunes Store account, MobileMe account, or other Apple account, you can use that Apple ID with FaceTime. If you don't have an Apple account, you can create a new one when you open FaceTime.

You don't need to sign in and sign out every time you use FaceTime. Once you've signed in, you go right to your contacts when you open FaceTime.

Sign in to FaceTime:

1   Open FaceTime, enter your Apple ID and password, then tap Sign In. If you don't already have an Apple account, you can tap Create New Account and set one up now.

2   On the Location screen, choose your current region and tap Next.

3   On the FaceTime screen, enter the email address others should use to call you in FaceTime, then tap Next. If this is the first time you've used this address for FaceTime, you may need to check for new email in that account and reply to the confirmation message from Apple. (If you've already added the account to Mail on your iPod touch, verification is automatic.)

Now you can choose a contact and start a FaceTime call, and others can call you using the email address you provided. If you use more than one email address, you can add the others, as described below.

Create a new account:

1   Open FaceTime and tap Create New Account.

2   Enter your account information on the New Account screeen, then tap Next. The email address you enter will be the Apple ID for the new account.

3   On the Location screen, choose your current region and tap Next.

4   On the FaceTime screen, enter the email address you want others to use to call you, then tap Next. This address doesn't need to be the same as the address you entered for your account ID, but it must be a working email address.

5   Reply to the confirmation email sent from Apple to the email address you entered in the previous step.

If you have more than one email address, you can let people call you using any of them.

Add email addresses: Choose Settings > FaceTime, then tap Add Another Email.

Sign out: Choose Settings > FaceTime, then tap Account. You don't need to sign out of FaceTime—just sign in once, and open FaceTime later without being asked to sign in again. You can't receive FaceTime calls while you're signed out.

Change FaceTime settings: Choose Settings > FaceTime. See "FaceTime" on page 167.

Making a Call

To make a FaceTime call, choose someone from your contacts, favorites, or list of recent calls. Buttons at the bottom of the FaceTime screen give you quick access to all three.

Connect with a contact: Tap Contacts, choose a name, then tap FaceTime. If you don't see the FaceTime button, make sure FaceTime is turned on in Settings.

Add a contact: Tap Contacts, tap +, then enter the person's name and their email address or phone number. Enter an email address for someone using an iPod touch, or enter a phone number for someone using an iPhone 4. For a contact who's outside your region, be sure to enter the complete number, including country code and area code—for example, +1 (408) 555-0125 in the United States.

Restart a recent call: Tap Recents, then choose a name or number.

Connect with a favorite: Tap Favorites, then tap a name in the list.

While You're Talking

While talking to someone in FaceTime, you can switch cameras, change camera orientation, mute your microphone, move your picture-in-picture display, open another application, and finally, end your call.

Switch between the front and main cameras: Tap .

Change camera orientation: Rotate iPod touch. The image your friend sees changes to match.

To avoid unwanted orientation changes as you move the camera around, lock iPod touch in portrait orientation. See "Viewing in Portrait or Landscape Orientation" on page 26.

Mute your microphone: Tap 🎤. Your friend can still see you, and you can still see and hear your friend.

Move your picture-in-picture display: Drag the small window to any corner.

Use another application during a call: Press the Home ⬜ button, then tap an application icon. You can still talk with your friend, but you can't see each other. To return to the video, tap the green bar at the top of the screen.

End the call: Tap 📞 **End**.

Camera

7

About Camera

With iPod touch 4th generation, you can capture photos and video wherever you go. iPod touch 4th generation has a main camera that takes photos and high-definition video, and a front camera that lets you make FaceTime video calls and take photos and videos of yourself.
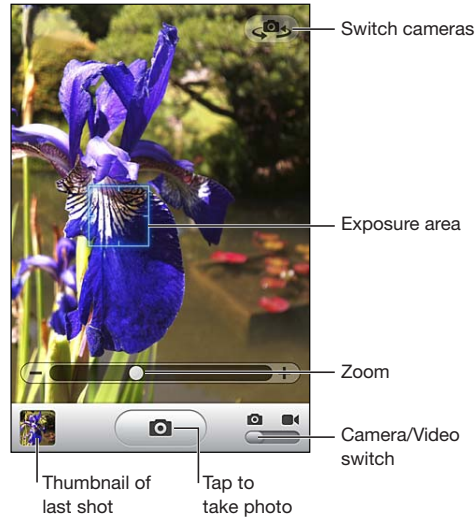
The main camera is on the back of iPod touch. You use the screen to control the camera and to see the photo or video you're taking. You can tap anywhere on the screen to set the exposure based on that part of the image.

If you have a Wi-Fi connection and location services is turned on, photos and videos are tagged with location data. You can use location data with some apps and photo-sharing websites to track and post where you took the photos. For example, the Photos app organizes photos by places.

Note: If location services is turned off when you open Camera, you may be asked to turn it on. If you don't want to include location data with your photos and videos, you can use Camera without turning on location services. See "Location Services" on page 159.

Taking Photos and Recording Videos

Taking photos and recording videos with iPod touch is as easy as point and tap.

Switch cameras

Exposure area

Zoom

Camera/Video switch

Thumbnail of last shot

Tap to take photo

Take a photo: Aim iPod touch and tap [camera icon].

Make sure the Camera/Video switch is set to [camera icon].

When you take a photo or start a video recording, iPod touch makes a shutter sound. You can use the volume buttons on the side of the iPod touch to control the volume of the shutter sound.

Record a video: Slide the Camera/Video switch to [video icon], then tap [record icon] to start recording. The record button blinks while Camera is recording. Tap [record icon] again to stop recording.

Tap the screen to bring up the camera controls.

Change the exposure: Tap where you want to set the exposure. Camera adjusts the exposure for the selected area of the image. In camera mode, tapping also displays the zoom control at the bottom of the screen.

Zoom in or out: Tap the screen, then drag the slider at the bottom of the screen to zoom in or out (main camera, in camera mode only).

Switch between the main and front cameras: Tap [switch icon] in the upper-right corner of the screen.

Review a photo or video you've just taken: Tap the thumbnail of your last shot, in the lower-left corner of the screen.

Use the left and right arrows at the bottom of the screen to review other photos and videos in the Camera Roll, or just flick left or right. Tap Done to return to camera or video mode. If you don't see the controls, tap the screen to display them.

Delete a photo or video: Tap 🗑. If you don't see 🗑, tap the screen to display the controls.

Take a screenshot: Quickly press and release the On/Off Sleep/Wake and Home buttons at the same time. A flash of the screen lets you know the screenshot was taken. The screenshot is added to the Camera Roll album.

Viewing and Sharing Photos and Videos

The photos and videos you take with Camera are saved in the Camera Roll album on iPod touch. You can view the Camera Roll album from either Camera or Photos.

View photos and videos in the Camera Roll album: In Camera, tap the thumbnail image in the lower-left corner of the screen. In Photos, tap the Camera Roll album. Tap the left or right button, or flick left or right to flip through the photos and videos.

When viewing a photo or video in the Camera Roll album, tap the screen to display the controls.

For more information about viewing and sharing photos and videos, see:

Trimming Videos

You can trim the frames from the beginning and end of a video that you just recorded, or any other video in the Camera Roll album. You can replace the original video or save the trimmed version as a new video clip.

Trim a video:

1 While viewing a video, tap the screen to display the controls.

2 Drag either end of the frame viewer at the top of the video, then tap Trim.

3 Tap Trim Original or "Save as New Clip."

Important: If you choose Trim Original, the trimmed frames are permanently deleted from the original video. If you choose "Save as New Clip," a new trimmed video clip is saved in the Camera Roll album and the original video is unaffected.

Uploading Photos and Videos to Your Computer

You can upload the photos and videos you take with Camera to photo applications on your computer, such as iPhoto on a Mac.

Upload photos and videos to your computer: Connect iPod touch to your computer.

*   *Mac:* Select the photos and videos you want and click the Import or Download button in iPhoto or other supported photo application on your computer.
*   *PC:* Follow the instructions that came with your photo application.

If you delete the photos and videos from iPod touch when you upload them to your computer, they're removed from the Camera Roll album. You can use the Photos settings pane in iTunes to sync photos and videos (videos can be synced with Macs only) to the Photos app on iPod touch. See "iPod touch Settings Panes in iTunes" on page 47.

Photos

8

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 from your computer, view photos and videos taken with iPod touch, and use photos as wallpaper. You can also send photos and videos in email messages, and upload photos and videos to MobileMe galleries.

Note: Video and camera features are available on iPod touch 4th generation.

Syncing Photos and Videos with Your Computer

iTunes can sync your photos and videos with the following applications:

- *Mac:* iPhoto 4.0.3 or later (syncing videos requires iPhoto 5 or later), or Aperture (photos only)
- *PC:* Adobe Photoshop Elements 8.0 or later (photos only)

You can also sync photos and videos from any folder on your computer that contains images. See "Syncing with iTunes" on page 46.

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 more information, go to support.apple.com/kb/HT1211.

Viewing Photos and Videos

Photos and videos you take with iPod touch 4th generation, sync from your computer, or save from an email can be viewed in Photos. If you sync photos with iPhoto 8.0 (part of iLife '09) or later, you can view your photos and videos by the events and faces you've identified. You can also see the places where your photos and videos were taken if they're tagged with location data.

View photos and videos:

1 In Photos, tap a photo album. Tap the buttons at the bottom of the screen to view your photos and videos by albums, events, faces, or places if available.

Photos are sorted by creation date. If you tap Places, a map shows each location that you've tagged photos from. Tap a pin, then tap ⊙ to see your photos and videos from that location.

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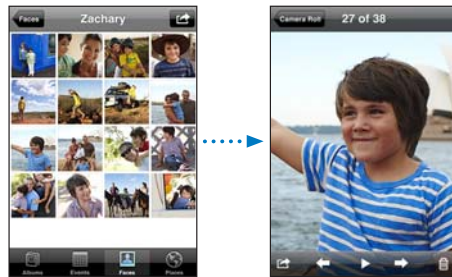
Play a video: Tap ▶ in the center of the screen.

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 rotates automatically and, if it's in widescreen 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 ⬅.

Deleting Photos and Videos

You can delete photos and videos from Camera Roll on iPod touch (or from Saved Photos in iPod touch 3rd generation or earlier).

Delete photos and videos:

1 Tap ⬀ in the upper-right corner of the screen.

2 Tap to select the photos and videos you want to delete.

The Delete button indicates the number of items you select.

3 Tap Delete.

Slideshows

You can view a photo album as a slideshow, 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 on the Home screen and start a slideshow.

Sharing Photos and Videos

You can send photos and videos in email messages, add photos and videos to MobileMe galleries, and publish videos to YouTube. 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.

Video sharing features are available only on iPod touch 4th generation.

Sending a Photo or Video in an Email Message

Send a photo or video in an email message:

1 Choose a photo or video and tap 📧. If you don't see 📧, tap the screen to show the controls.

2 Tap Email Photo/Video.

   The photo or video appears in a new mail message window.

3 Compose your message, then tap Send.

4 If sending a photo, you may be asked if you want to reduce the message size by scaling the image. Tap the size you want to use.

Send multiple photos or videos at the same time: When viewing thumbnails in an album, tap 📧, then tap to select the photos you want to send, tap Share, and tap Email.

If necessary, iPod touch may compress the photo or video. To learn about taking photos and videos, see Chapter 7, "Camera," on page 71.

Copying and Pasting Photos and Videos

You can copy a photo or video from Photos and paste it in an email message. Some third-party apps 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.

Copy multiple photos or videos:

1 Tap ![icon] in the upper-right corner of the screen.

2 Tap to select the photos and videos you want to copy.

   The Copy button indicates the number of items you select.

3 Tap Copy.

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

Adding a Photo or Video to a MobileMe Gallery

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

Before you can add photos or videos 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 and videos to it, see MobileMe Help.

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

If you don't see ![icon], tap the screen to show the controls.

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

Adding a photo or video to someone else's gallery: Choose a photo or video and tap ![icon], then tap "Email Photo/Video." Enter the album's email address, then click Send.

Publishing Videos to YouTube

If you have a YouTube account, you can publish videos directly from iPod touch 4th generation to YouTube. Some videos may not be transferable, depending on the length of the movie or other factors.

Publish a video to YouTube:

1 While viewing a video, tap 📤, then tap "Send to YouTube."

2 Sign in to your YouTube account.

3 Enter publishing information such as Title, Description, and Tags.

4 Tap Category to choose a category.

5 Tap Publish.

Saving Photos and Videos from Email Messages and Webpages

Note: The Camera Roll album is called Saved Photos on iPod touch 3rd generation and earlier.

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

Save a video from an email message to your Camera Roll 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 from a webpage to your Camera Roll album: Touch and hold the photo, then tap Save Image.

You can download the photos and videos in your Camera Roll 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 "Add Photo."

Wallpaper

You can set a photo as wallpaper for the Lock screen. On iPod touch 4th generation or later, you can also set wallpaper for your Home screen.

Set a photo as wallpaper (iPod touch 3rd generation or later):

1 Choose any photo and tap ⤴, then tap Use As Wallpaper.

2 Drag the photo to position it and pinch to zoom in or out, until it looks the way you want.

3 Tap Set, then choose whether you want to use the photo as wallpaper for your Lock Screen, Home screen, or both.

You can also choose from several wallpaper pictures included with iPod touch by choosing Settings > Wallpaper from the Home screen. See "Adding Wallpaper" on page 30.

Set a photo as wallpaper (iPod touch 2nd generation):

1 Choose any photo and tap ⤴, then tap Use As Wallpaper.

2 Drag the photo to position it and pinch 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 from the Home screen.

Game Center 9

About Game Center

You can discover new games and share your game experiences with friends around the world in Game Center. Invite your friends to play, or use auto-match to find other worthy opponents. Check leaderboards to see who the best players are. Earn bonus points by achieving specific accomplishments in a game.

Note: Game Center may not be available in all countries or regions, and the available games may vary by country or region.

To use Game Center, you need an Internet connection and an Apple ID. If you already have an iTunes Store, MobileMe, or other Apple account, you can use that Apple ID with Game Center. If you don't already have an Apple account, you can create a new one in Game Center, as described below.

Setting Up Game Center

When you first open Game Center, you're asked if you want to allow push notifications. Notifications include alerts, sounds, and icon badges that let you know about Game Center events, even if you're not currently using Game Center. For example, you might receive an alert that a friend has invited you to play a game.

Allow notifications: Tap OK.

If you tap Don't Allow, you won't receive notifications for Game Center. You can turn notifications on at a later time if you want, and you can specify what kinds of notifications you want to get.

Turn notifications on or off: In Settings, choose Notifications. Turning off Notifications disables all notifications for all apps.

Specify which notifications you want for Game Center: In Settings, choose Notifications > Game Center, then configure the Sounds, Alerts, and Badges settings. If Game Center doesn't appear, turn on Notifications.

Set up Game Center information in your Apple account:

1 Sign in to your Apple account by entering your username and password and tapping Sign In.

   If you don't have an Apple account, you can create one by tapping Create New Account.

2 Tap Agree to accept the Game Center Terms & Conditions.

3 Enter a nickname—the name others will see and know you by.

4 Configure your Game Center settings:

   • To allow other users to invite you to play a game, leave Allow Game Invites turned on. Otherwise, tap to turn it off.

   • To allow other users to find you by your email address, leave Find Me By Email turned on. Otherwise, tap to turn it off.

   • Verify your account email. You can enter a different address if you don't want to use the one from the Apple account you used to sign in. To confirm this address as yours, you'll need to respond to the email that is sent to that address.

   • To add more email addresses that people can use to contact you in Game Center, tap Add Another Email.

5 Tap Next when your account is configured.

Change account settings:

1 Tap Me at the bottom of the screen, then tap your account banner.

2 Tap View Account.

3 Make your changes, then tap Done.

Sign in to a different account:

1 Tap Me, then tap the account banner at the bottom of the screen.

2 Tap Sign Out.

3 Enter the username and password for the account you want to use, then tap Sign In.

Games

Purchasing and Downloading Games

Games for the Game Center are available from the App Store. If you haven't entered credit card information for your Apple account, you'll be prompted to enter that information before you can purchase and download games.

Purchase and download games: Tap Games, then tap Find Game Center Games.

The Game Center section of App Store displays games that work with Game Center. You can browse this section, and purchase and download games from it, as you would for other apps in the App Store. See Chapter 22, "App Store," on page 148.

If you want to purchase a game that a friend has, tap the game on your friend's info screen to go directly to that game in the App Store.

Playing Games

The Games screen displays the games you download from the iTunes Store. For each of the games, your number of achievements and your ranking among all the game's players are displayed.

Get information about a game: Tap Games, then tap a game. If available, you can display the game's leaderboards, see your achievements for the game, and find out who's recently played the game.

Play a game: Tap Games, choose a game, then tap Play.

Depending on the game, the home screen may provide instructions or other information, and let you view leaderboards and achievements, set game options, and start a single or multiplayer game. To play against others, you can either invite a friend or use auto-match to have Game Center find other players for you. For information about making friends in Game Center, see "Friends" on page 88.

For multiplayer games, you can also send a game invitation from the Friends screen.

Invite a friend to a multiplayer game from the Friends screen:

1 Tap Friends at the bottom of the screen.

2 Choose a friend.

3 Choose a game and tap Play.

   If the game allows or requires additional players, you can choose players to invite, then tap Next.

4 Enter and send your invitation, then wait for the others to accept.

5 Start the game.

   If a friend isn't available or doesn't respond to your invitation, you can tap Auto-Match to have Game Center find another player for you, or tap Invite Friend to try inviting some other friend.

   Other players may invite you to play the game.

   Respond to an invitation to play a game: Tap Accept or Decline in the alert that appears.

   You can disable multiplayer games in Restrictions. See "Restrictions" on page 161. You can prevent other players from inviting you to play games by turning off Allow Game Invites in Game Center settings. See "Your Status and Account Information" on page 90.

   Return to Game Center: Press the Home button, then tap Game Center on the Home screen.

   On iPod touch 3rd generation or later, you can also press the Home button twice quickly and choose Game Center from your recent apps.

Leaderboards

Some games provide one or more leaderboards to show the ranking of the game's players, with their scores, times, or other measures of the players' success.

See a game's leaderboard: Tap Games, then choose the game and tap Leaderboard.

You may also be able to view leaderboards from within a game.

If a game has variations (such as Easy, Normal, and Hard), the Categories screen lets you choose the leaderboard for the game in general, or for one of the variations.

The leaderboard shows the ranking of your friends, and of all players. You may be able to view leaderboard stats for a specific time period, such as today, this week, or all time.

Rotate iPod touch to see a leaderboard in landscape orientation.

Start playing a game from the leaderboard: Tap Play in the upper-right corner.

Achievements

Some games reward you with bonus points for specific achievements.

See the possible achievements for a game: Tap Games, choose a game, then tap Achievements.

For each achievement, Game Center shows how many bonus points are awarded, and whether you've completed the achievement. The total points awarded for your achievements appear at the top. You can get bonus points for a specific achievement only once.

You may also be able to view achievements from within a game.

Recently Played

Some games let you see which of your friends have recently played the game.

See who's recently played a game: Tap Games, tap a game, then tap Recently Played.

Get information about a player: Tap a player's name in the list.

Friends

Game Center puts you in contact with players around the world. You add friends to Game Center by making a request, or by accepting a request from another player.

Add a friend to Game Center:

1 Tap Friends or Requests.

2 Tap +, then enter a friend's email address or Game Center nickname.

Matching addresses and names from your contacts appear as you type. Tap a contact to include that person in your request. Tap ⊕ to browse your contacts.

To add several friends at once, enter additional contacts.

3 Enter a message for your request, then tap Send.

In order to become a friend, a person must accept your request.

Other players might send you a request. If you receive an alert, you can accept the request from there, or close it and respond to the request later from the Request screen. A badge on the Requests button indicates the number of outstanding friend requests.

Respond to a friend request: Tap Requests, tap the name of the person making the request, then tap Accept, Ignore, or Report a Problem.

When a player accepts another player's request, they each become the other's friend. Friends' names appear on the Friends screen.
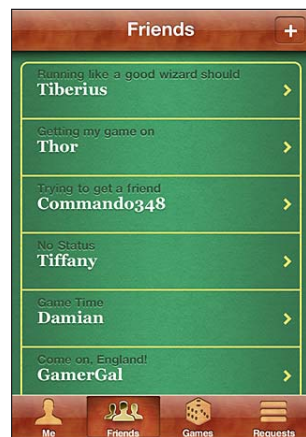
Get information about a friend: Tap the friend's name.

Search for a friend: Tap the status bar to scroll to the top of the screen, then tap the search field and start typing. Friends who match your search appear as you type.

A friend's info page shows how many friends (including you) the person has, the number of different games your friend has played, and how many achievements your friend has completed. The info screen may also show:

- The games you've played together

- The games you have in common

- Other games your friend has

You can tap a game in any of the lists to see your position and your friend's position on the overall leaderboard, and your respective accomplishments for the game.

Invite a friend to play a game: Tap Friends, tap the friend's name, tap a game, then tap Play. See "Playing Games" on page 84.

Remove a friend: Tap Friends, tap a name, then tap Unfriend and tap Remove.

If a player has become offensive or is otherwise exhibiting inappropriate behavior, you can report the problem.

Report a problem with a friend: Tap Friends, tap the friend's name, then tap "Report a Problem." Describe the problem, then tap Report to send the report.

If you turn off Multi Player Games in Settings, you can't send or receive a invitations to play games. See "Restrictions" on page 161.

Your Status and Account Information

The Me screen summarizes information about your friends, your games, and your achievements.

The text field in the center of the screen lets you enter your current status message. Your status appears along with your nickname in other players' Friends screens.

Change your status: Tap the status field and use the keyboard to enter or update your status.

View your account information: Tap the account banner, then tap View Account.

You can change or update the following settings:

- Nickname
- Allow game invites
- Find Me By Email
- Your mail address for Game Center
- Additional email addresses

When you finish, tap Done.

You can also sign out and sign in to a different account, or create a new account.

Sign out: Tap the account banner, then tap Sign Out.

To sign in to another account, enter your username and password, then tap Sign In. To create a new account, tap Create New Account and follow the onscreen instructions.

Mail 10

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

To download and send messages in Mail, iPod touch must join a Wi-Fi network that's connected to the Internet. See "Connecting to the Internet" on page 19.

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 "Adding Mail, Contacts, and Calendar Accounts" on page 19.

• In iTunes, use the iPod touch settings panes to sync email accounts settings from your computer. See "iPod touch Settings Panes in iTunes" on page 47.

Checking and Reading Email

The Mail icon on the Home screen shows the number of unread messages in your inboxes. You may have other unread messages in other mailboxes.

Number of unread emails in your inboxes
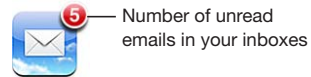
In Mail, the Mailboxes screen gives you quick access to all your inboxes and other mailboxes. Tap an inbox for an account to see its messages. To see incoming messages for all your accounts, tap All Inboxes. If you have only one mail account set up and turned on, then you'll see only one inbox on the Mailboxes screen.

Incoming messages for all accounts

Number of unread messages

When you open a mailbox, Mail retrieves and displays the most recent messages, and shows the number of unread messages at the top of the screen. Unread messages have a blue dot ● next to them. The number of messages retrieved is determined by your Mail settings. See "Mail" on page 170.

If you organize messages by thread, related messages appear as a single entry in the mailbox. Message threads have a number next to the right arrow, showing the number of messages in the thread. A blue dot indicates that one or more messages in the thread are unread. The message displayed is the oldest unread message, or the most recent message if all the messages are read.

Number of messages in thread

Unread messages
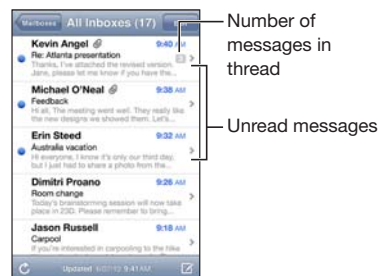
See messages in a thread: Tap the thread in the mailbox.

Read a message: Tap a message. Within a message, tap ▲ or ▼ to see the next or previous message.

Turn "Organize By Thread" on or off: In Settings, choose "Mail, Contacts, Calendars," and tap the switch to turn Organize By Thread on or off. See "Mail" on page 170.

If you have more than one account set up and turned on, the Accounts section of the Mailboxes screen provides access to your accounts. Tap an account to see its folders and mailboxes, including its inbox. If you have only one account set up and turned on, the folders and mailboxes for the account appear on the Mailboxes screen.

Tap to see all your email accounts

Number of unread messages
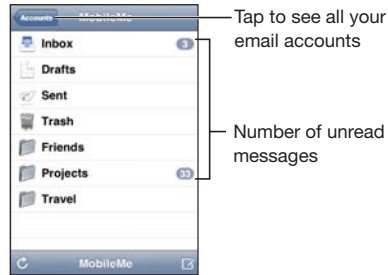
Check for new messages: Choose a mailbox, or tap ↻ at any time.

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

Zoom in on part of a message	Double-tap an area of the message. Double-tap again to zoom out. Or pinch apart or together to zoom in or out.
Resize any column of text to fit the screen	Double-tap the text.
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.
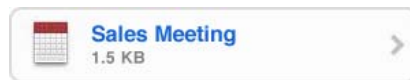
You can get contact information for the organizer and other invitees, set an alert, add notes to the event, and add comments that are included in your response emailed to the organizer. You can accept, tentatively accept, or decline the invitation. See "Responding to Meeting Invitations" on page 108.

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

Using Links and Detected Data

iPod touch detects web links, phone numbers, email addresses, and other types of information that you can use to open a webpage, create a preaddressed email message, create or add information to a contact, or perform some other useful action. Detected data appears as blue underlined text. Tap the data to use its default action, or touch and hold it to see other actions.

Link or image	Tap to open the webpage in Safari.
	Touch and hold to:
	• Open the webpage in Safari
	• Copy the link
Phone number	Tap to:
	• Create a new contact with the number
	• Add the number to an existing contact
Address	Tap to display the location in Maps.
	Touch and hold to:
	• Display the location in Maps
	• Create a new contact with the address
	• Add the address to an existing contact
	• Copy the address
Email address	Tap to create a new preaddressed email message.
	Touch and hold to:
	• Create a new email message
	• Create a new contact with the address
	• Add the address to an existing contact
	• Copy the address
Day, date, or time	Tap the item, then tap Create Event to create an event in Calendar.
Tracking number (may not be available in all countries or regions)	Tap to open the shipper's webpage for the status of a package.

Viewing Attachments

iPod touch displays image attachments in many commonly used formats (JPEG, GIF, and TIFF) inline with the text in email messages. iPod touch can play many types of 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) that are attached to messages you receive.

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

Tap attachment
to download
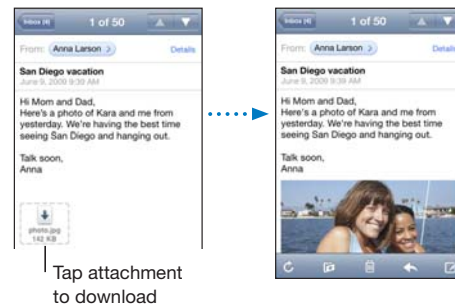
You can view attachments in portrait or landscape orientation.

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)

Open an attached file with another app: Touch and hold the attachment, then choose an app. If no apps are available, you can choose to open the attachment in Quick Look.

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.

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, or if you have email aliases for your MobileMe account, you can tap the From field to change the account or alias 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 ![icon], then tap Email Photo. You can also copy and paste photos.
	To send multiple photos at the same time, tap ![icon] when viewing thumbnails in an album, then tap to select the photos, tap Share, and tap Email.
Paste and send a photo or video in an email message	In Photos, touch and hold a photo or video until the Copy command appears. Tap Copy. Go to Mail and create a new message. Tap to place the insertion point where you want the video, then tap the insertion point to display the edit commands and tap Paste.
	To copy multiple videos, in Photos, open an album, tap ![icon], tap to select photos and videos, then tap Copy.
Save a draft of a message to complete later	Tap Cancel, then tap Save. The message is saved in the Drafts mailbox.
Open the most recently saved draft	Touch and hold ![icon] to open the most recently saved draft from the last account you were working in.
Reply to a message	Tap ![icon]. 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 ![icon], 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.

Organizing Email

You can organize messages in any mailbox, folder, or search results window. 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 in the same account or between different accounts.

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.
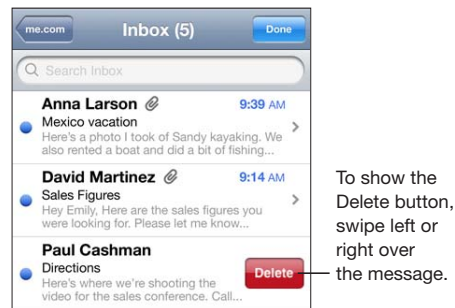
Note: For Google accounts, tap Archive. Messages aren't deleted, but are moved to your account archive.

Delete multiple messages: When viewing a list of messages, tap Edit, select the messages you want to delete, then tap Delete.
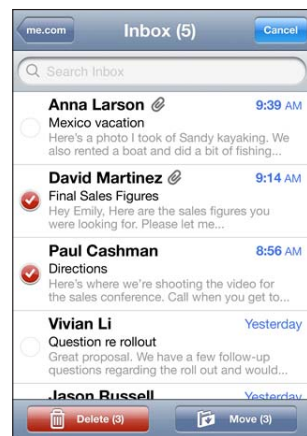
Move a message to another mailbox or folder: When viewing a message, tap 🗂, then choose a mailbox or folder.

Tap Accounts to choose a mailbox or folder for another account.

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

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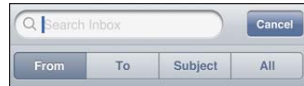
Search email messages: Open a mailbox, scroll to the top, and enter text in the Search field. Tap From, To, Subject, or All to choose which fields you want to search. To scroll quickly to the search field at the top of the list, tap the status bar.

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.

Mail messages are included in searches from the Home screen. See "Searching" on page 38.

Safari

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

To use Safari, iPod touch must join a Wi-Fi network that's connected to the Internet. See "Connecting to the Internet" on page 19.

Viewing Webpages

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.
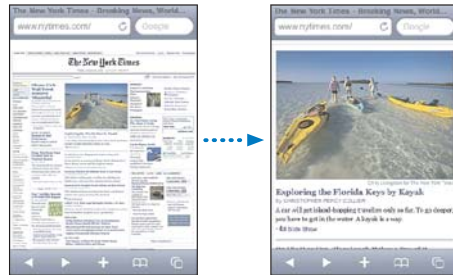
You can also pinch to zoom in or out manually.

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.

You can also use web links to display a location in Maps, play streaming audio, or create a preaddressed Mail message. To return to Safari after a link opens another app, 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.
Create a preaddressed Mail message	Touch and hold an email web link, then tap New Message.
Create a new or add to an existing contact	Touch and hold a web link containing contact information, then tap Create New Contact or Add to Existing Contact.
Send a webpage URL 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 ⊗.

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 172.

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

Use the search field to enter web searches. As you type, suggested and recent searches appear.

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 a suggestion from the list or tap Search.

3 Tap a link in the list of search results to open a webpage.

By default, Safari searches using Google.

Set Safari to search using a different search engine: In Settings, choose Safari > Search Engine, then choose a different search engine.

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 Devices list.

3 Click Info at the top of the screen, select "Sync … bookmarks" under Other, then click Apply.

See "iPod touch Settings Panes in iTunes" on page 47.

Sync bookmarks with MobileMe: In Settings on iPod touch, select Bookmarks in your MobileMe account. See "Setting Up MobileMe Accounts" on page 20.

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 "Customizing the Home Screen" on page 27.

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 jiggle.

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.

Calendar

About Calendar

Calendar gives you ready access to your calendars and events. You can view individual calendars, or several calendars at once. You can view your events by day, by month, or in a list. You can search the titles, invitees, locations, and notes of events. If you've entered birthdays for your contacts, you can view those birthdays in Calendar.

You can sync iPod touch with the calendars on your computer, and with services such as MobileMe, Microsoft Exchange, Yahoo!, and Google. You can also make, edit, or cancel appointments on iPod touch and have them sync back to your computer or calendar account. If you have a MobileMe, Microsoft Exchange, Google, Yahoo!, or CalDAV account, your calendars can sync over the air without connecting iPod touch to your computer. MobileMe Shared Calendars that you've joined from your computer also sync with iPod touch.

You can subscribe to read-only iCalendar (.ics) calendars. If you have a Microsoft Exchange account with Calendars enabled, or a supported CalDAV account, you can receive and respond to meeting invitations from others, and invite people to events you've scheduled.

Syncing Calendars

You can sync Calendar in either of the following ways:

- In iTunes, use the iPod touch Info pane to sync with iCal or Microsoft Entourage on a Mac, or Microsoft Outlook 2003, 2007, or 2010 on a PC, when you connect iPod touch to your computer. See "iPod touch Settings Panes in iTunes" on page 47.

- In Settings on iPod touch, turn on Calendars in your MobileMe, Microsoft Exchange, Google, or Yahoo! accounts to sync your calendar information over the air, or set up a CalDAV account if your company or organization supports it. See "Adding Mail, Contacts, and Calendar Accounts" on page 19.

  To sync calendars, iPod touch must join a Wi-Fi network that's connected to the Internet. See "Connecting to the Internet" on page 19.
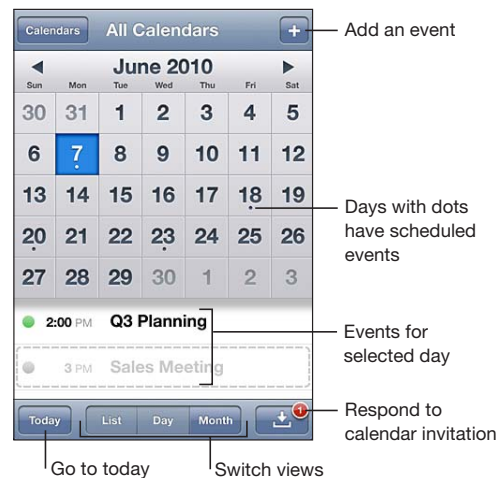
Viewing Your Calendars

You can view a single calendar, selected calendars, or all calendars at once.

Select calendars to view: Tap Calendars, then tap to select the calendars you want to view. To quickly select or deselect all calendars, tap Show All Calendars or Hide All Calendars. To view your contacts' birthdays, tap Birthdays at the bottom of the screen. Tap Done to view the selected calendars.

The events for all selected calendars appear in a single calendar on iPod touch. You can view your calendar events in a list, by day, or by month.

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.

Add an event

Days with dots have scheduled events

Events for selected day

Respond to calendar invitation

Go to today

Switch views

See the details of an event: Tap the event.

Searching Calendars

You can search the titles, invitees, locations, and notes fields of the events in your calendars. Calendar searches only the events for the calendars you're currently viewing.
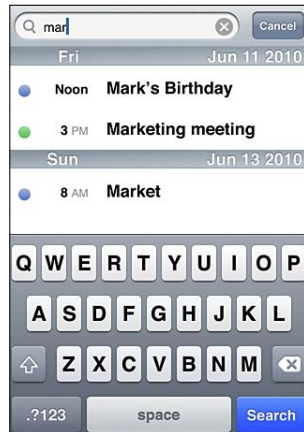
Search for events: In list view, enter text in the search field.

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

Calendar events are included in searches from the Home screen. See "Searching" on page 38.

Adding and Updating Events on iPod touch

You can create and update calendar events directly on iPod touch.

If you have a Microsoft Exchange account with calendars enabled, or a supported CalDAV account, you can invite other people to your event or meeting.

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
- Invitees (if supported by your calendar server)
- 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 110).

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 163.

- Calendar

  You can change the default calendar using the Default Calendar setting. See "Calendars" on page 171.

- Notes

You can't assign an event to a read-only calendar.

Events can also be created by tapping a day, date, or time in a Mail message. See "Using Links and Detected Data" on page 94.

Update an event: Tap Edit and change event information. Tap Done when you're finished.

**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 with calendars enabled, or a supported CalDAV account, 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 notifications ⬇ button in the lower-right corner of the screen shows 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's connected to the Internet.

Number of meeting invitations
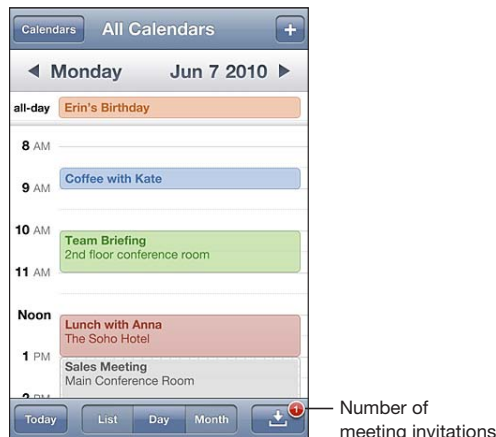
Respond to an invitation in Calendar:

1 Tap a meeting invitation in the calendar, or tap ⬇ to display the Event screen and tap an invitation.
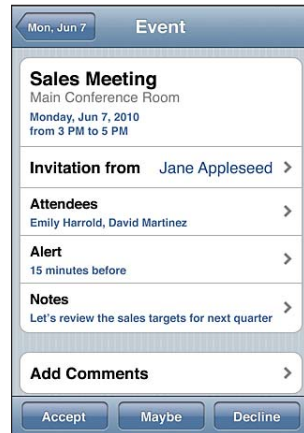
- Tap "Invitation from" to get contact information for the meeting organizer. Tap the email address to send a message to the organizer.
- Tap Invitees to see the other people invited to the meeting. Tap a name to see an attendee's contact information. Tap the email address to send a message to the attendee.
- 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. You 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.

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.
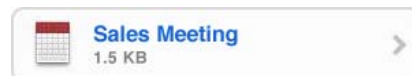
Subscribing to Calendars

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

Subscribed calendars are read-only. You can read events from subscribed calendars on iPod touch, but you can't edit them or create new events.

Subscribe to a calendar:

1 In Settings, choose "Mail, Contacts, Calendars," then tap Add Account.

2 Choose Other, then choose Add Subscribed Calendar.

3 Enter the server information, then tap Next to verify the subscription.

4 Tap Save.

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.

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.

YouTube

13

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 asked. For information about requirements and how to get a YouTube account, go to www.youtube.com.

Note: YouTube may not be available in all languages and locations.

To use YouTube, iPod touch must join a Wi-Fi network that's connected to the Internet. See "Connecting to the Internet" on page 19.

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.

You can replace the browse buttons at the bottom of the screen with buttons you use more frequently. See "Changing the Browse Buttons" on page 115.

Search for a video:

1   Tap Search (tap More first, if Search isn't visible), 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.
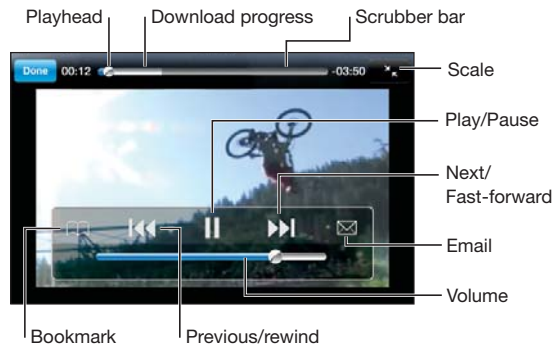
Play a video: Tap the video.

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 ‖.
Adjust the volume	Drag the volume slider, or use the volume buttons on the side of iPod touch.
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.
Switch 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.
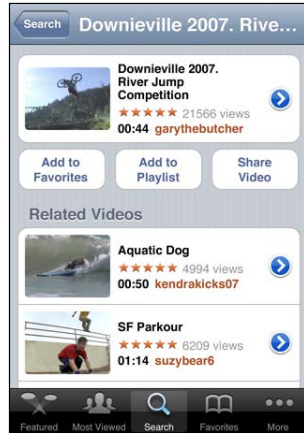
Add the video to Favorites	Tap "Add to Favorites."
Add the video to a playlist	Tap "Add to Playlist," then select an existing playlist or tap ✚ to create a new playlist.
Email a link to the video	Tap Share Video.
Browse and view related videos	Tap a video in the list of related videos to view, or tap ⓥ 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.
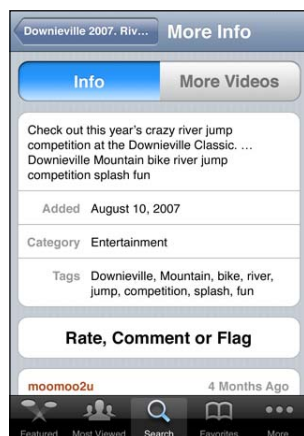
Rate the video or add a comment	On the More Info screen, tap "Rate, Comment, or Flag," then choose "Rate or Comment." You must be signed in to a YouTube account to use this feature.
See more videos from this account	On the More Info screen, tap More Videos.
Subscribe to this YouTube account	On the More 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.
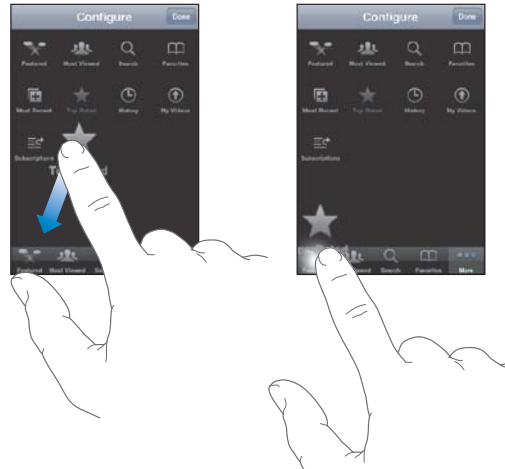
You can drag the buttons at the bottom of the screen left or right to rearrange them. When you finish, tap Done.

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

Stocks

14

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's connected to the Internet. See "Connecting to the Internet" on page 19.

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 view 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 view 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 Ⓨ!.

Maps

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> **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 and regions. You can get traffic information and detailed driving, public transit, or walking directions. 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's connected to the Internet. See "Connecting to the Internet" on page 19.

Important: Maps, directions, and location-based apps depend on data services. 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.

If location services is turned off when you open Maps, you may be asked to turn it on. You can use Maps without turning on location services. See "Location Services" on page 159.

Finding and Viewing Locations

You can search for locations, get your current location, mark a location with the drop pin, and get satellite and Google Street Views.

Searching for Locations

You can search for locations in many ways—by address, intersection, area, landmark, bookmark, contact, or zip code, for example.

Find a location and see a map:

1 Tap the search field to bring up the keyboard.

2 Type an address or other search information.

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.

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.

Finding Your Current Location

A quick tap finds your current (approximate) location.

Find your current location: Tap ◢.

Your current 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). When an app is using location services, ◤ appears in the status bar. Location services may not be available in all countries or regions.

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 159.

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

Marking a Location with the Drop Pin

The drop pin lets you mark a location by hand.

Mark a location: Touch and hold the location on the map.

The drop pin appears where you're touching the map.

Move the drop pin: Touch and hold, then drag the pin to a new location, or touch and hold a new location until a new pin drops, replacing the previous one.

Satellite and Street Views

You can see a satellite view of a map, or a combined satellite and street map view. You can also see a Google Street View of a location.
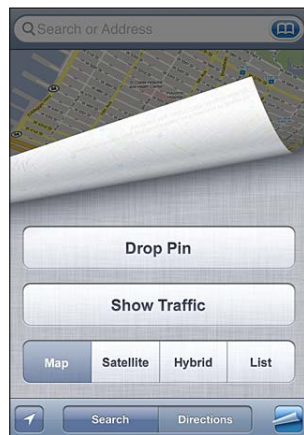
See a satellite or hybrid view: Tap ◢, then tap Satellite or Hybrid to see just a satellite view or a combined street map and satellite view.
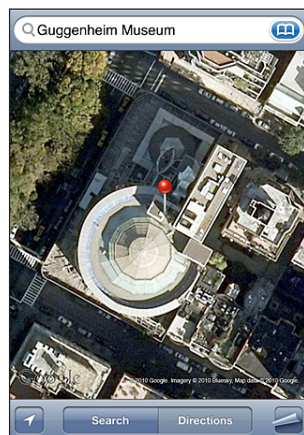
To return to map view, tap Map.

See the Google Street View of a location: Tap ![icon]. 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. To return to map view, tap the map inset in the lower-right corner.

Tap to return to map view

Street View may not be available in all areas.

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 ![icon] in either field to choose a location in Bookmarks (including your current location and the dropped pin, if available), Recents, or Contacts. If ![icon] isn't showing, delete the contents of the field.

   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 ![icon].

3 Tap Route (if you entered locations manually), then select directions by car (![icon]), directions by public transit (![icon]), or directions by walking (![icon]).

   The travel options available depend on the route.

4 Do one of the following:

- *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.

- *To view directions one step at a time,* tap Start, then tap ➡ to see the next leg of the trip. Tap ⬅ to go back.

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 ↕.
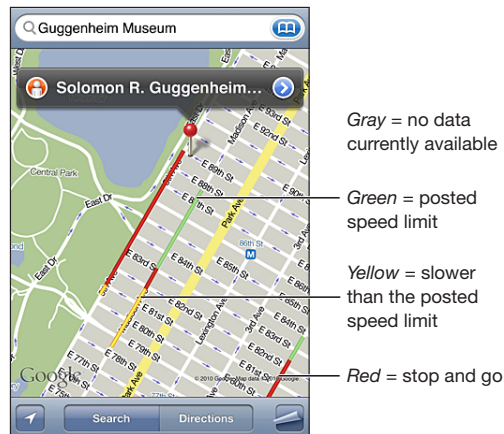
If you don't see ↕, tap Edit.

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

Showing Traffic Conditions

When available, you can show traffic conditions for major streets and highways on the map.

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

Streets and highways are color-coded to indicate the flow of traffic:

Gray = no data currently available

Green = posted speed limit

Yellow = slower than the posted speed limit

Red = stop and go

If you don't see traffic, you may need to zoom out to a level where you can see major roads. Traffic conditions are not available in all areas.

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 in the area. For example, if you locate your city and then type "movies" and tap Search, pins mark movie theaters 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, tap "Add to Contacts" at the bottom of the screen, then 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.

Visit website

Get directions

Tap ⊙ to show contact info
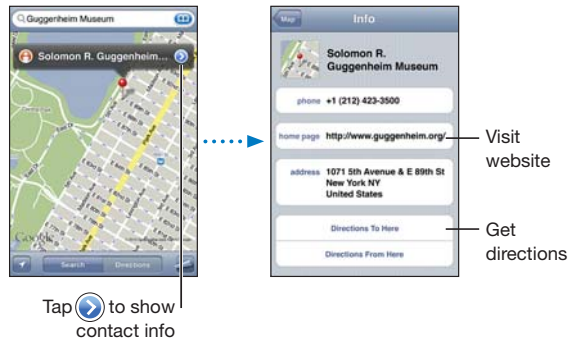
Sharing Location Information

You can add a location you've found to your contacts list. You can also send links to a Google Maps location using email.

Add a location to your contacts list: Find a location, tap the pin that points to it, tap ⊙ next to the name or description, then tap "Add to Contacts" at the bottom of the screen and 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 at the bottom of the screen 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.

Weather

Viewing Weather Summaries

Tap Weather on 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's connected to the Internet. See "Connecting to the Internet" on page 19.

Today's high and low

Current conditions

Current temperature

Six-day forecast

Add and delete cities

Number of cities stored

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 the 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 🅨!.

Notes

<div align="right">

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</div>

About Notes

You can create notes on iPod touch and sync notes with supported applications on your computer and online accounts. You can search for text in a list of notes.

Syncing Notes

You can sync Notes in either of the following ways:

- In iTunes, use the iPod touch settings panes to sync with Mail on a Mac or with Microsoft Outlook 2003, 2007, or 2010 on a PC when you connect iPod touch to your computer. See "iPod touch Settings Panes in iTunes" on page 47.

- In Settings, turn on Notes in MobileMe, Google, Yahoo!, AOL, or other IMAP account to sync your notes over the air (iPod touch 3rd generation or later) with those accounts. See "Adding Mail, Contacts, and Calendar Accounts" on page 19.

Writing and Reading Notes

When you sync Notes with an application on your computer or with online accounts, the Accounts screen shows each those accounts, plus a button to display all notes in a single list.

See all notes: Tap All Notes.

See notes for a specific account: Tap the account name.

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 Tap the status bar to scroll to the search field at the top of the note list.

2 Enter text in the search field.

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

Notes are included in searches from the Home screen. See "Searching" on page 38.

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 91.

Clock

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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 paused.

If you start the stopwatch and switch to another app, the stopwatch keeps running.

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 app, the timer keeps running.

Calculator

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 x 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.
$\sqrt[x]{y}$	Use between values to calculate the x root of y. For example to compute $\sqrt[4]{81}$, enter 81 $\sqrt[x]{y}$ 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 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.

Voice Memos

Recording Voice Memos

Voice Memos lets you use iPod touch as a portable recording device.

Voice Memos uses the internal microphone in iPod touch 4th generation. To use Voice Memos on iPod touch 2nd generation or iPod touch 3rd generation, connect the Apple Earphones with Remote and Mic or a compatible accessory with a microphone. These include Apple-branded earbuds and 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.

Audio level meter

Go to voice memos

Record button

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 short ringing sound.

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

Play 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 voice 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 voice 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 Select a voice memo on the Voice Memos screen, then tap Share.

   You can also tap Share on the Info screen of a voice memo.

2 Choose Email 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 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 app 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 app 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 Devices list.

3 Select Music at the top of the screen.

4 Select the "Include voice memos" checkbox and click Apply.

iTunes Store

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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. And, you can follow your favorite artists and friends to find out what music they're listening to and talking about, find out when your favorite artists are on tour near you and who's planning to go, and more.

Note: The iTunes Store may not be available in all countries or regions, and iTunes Store content may vary by country or region.

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 19.

To purchase items or write reviews, you need an Apple account. By default, iPod touch gets your Apple account settings from iTunes. If you don't have an Apple account, or if you want to make purchases from another Apple account, go to Settings > Store. See "Store" on page 168.

You don't need an Apple account to play or download podcasts.

Finding Music, Videos, and More

Browse content: Tap one of the content categories at the bottom of the screen, such as Music or Videos. Or tap More to browse other content. Choose a sort method at the top of the screen—for example New Releases or Genres (the categories may vary).
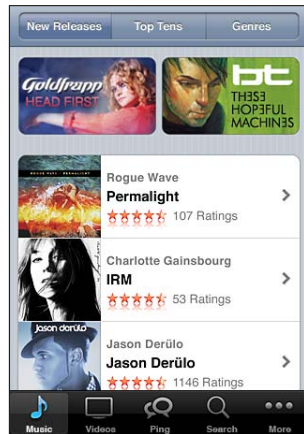
Search for content: Tap Search (tap More first, if Search isn't visible), tap the search field and enter one or more words, then tap Search. Search results are grouped by category, such as Movies, Albums, or Podcasts.
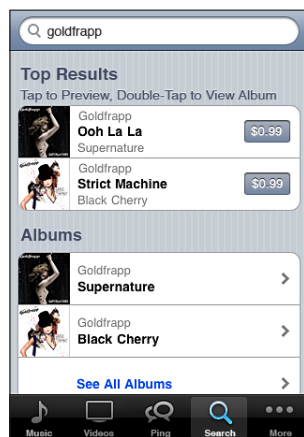
Tap an item in a list to see more details on its Info screen. You can read reviews, write your own review, or email a link about the item to a friend. Depending on the item, you can also buy, download, or rent it.

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.

Explore artist and friend recommendations: Tap Ping (tap More first, if Ping isn't visible) to find out what's new from your favorite artists or see what music your friends are excited about. For information, see the following section, "Connecting with Artists and Friends."

Following Artists and Friends

Use iTunes Ping to connect with the world's most passionate music fans. Follow favorite artists to learn about new releases and upcoming concerts and tours, get an insider's perspective through their photos and videos, and learn about their musical influences. Read friends' comments about the music they're listening to, and see what they're buying and which concerts they plan to attend. Finally, express your musical likes and post comments for your own followers.

To create and explore musical connections, you need to create a profile.

Create your iTunes Ping profile: Open the iTunes application on your Mac or PC, click Ping, and follow the onscreen instructions.

Explore iTunes Ping on your iPod touch: Open the iTunes app, tap Ping (tap More first, if Ping isn't visible), then:

- Tap Activity to see the latest from and about the people you follow. Updates include purchases, reviews, likes, comments, and posts.
- Tap People to see who you're following and who is following you.
- Tap My Profile to review your profile information.

Follow an artist: On any album page, tap Artist Profile. On the artist's profile page, tap Follow.

Follow a friend: Choose your starting group of friends when you set up your profile using iTunes on your Mac or PC. After that, you can follow friends of friends using Ping on iPod touch. Go to your profile page, tap People I Follow, then tap a name. When their profile appears, you can tap to see who they're following or who is following them. If you find someone interesting, tap Follow on their profile page.

When you follow someone, they don't automatically follow you. In your profile you can choose to approve or decline follow requests as they arrive, or simply accept all new followers without review (the default).

Share your thoughts: As you browse albums and songs, tap Post to comment on a piece of music or tap Like just to say you like it. Your friends will see your thoughts in their iTunes Ping Activity feed.

Share concert plans: Tap Concerts on your profile page to see upcoming performances by the artists you follow, and see which of your friends are going to a show. Tap Tickets to buy your own ticket, or tap I'm Going to let others know you'll be there too.

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 Apple account, tap Create New Account to set one up.

   Your purchase is charged to your Apple 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 on the Downloads screen. See "Checking Download Status" on page 145.

   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 (tap More first, if Music isn't visible), then tap Redeem at the bottom of the screen and follow the onscreen instructions.

Purchasing or Renting Videos

The iTunes Store lets you purchase and download movies, TV shows, and music videos (may not be available in all countries or regions). Some movies and TV shows can also be rented for a limited time. Video content may be available in standard-definition (SD, or 480p) format, high-definition (HD, or 720p) format, or both.

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 Apple account, tap Create New Account to set one up. Your purchase is charged to your Apple 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 on the Downloads screen. See "Checking Download Status" on page 145.

  Rented movies and TV shows don't begin playing until the download completes. See "Watching Rented Movies and TV Shows" on page 64.

  When the download is complete, purchased videos are added to the Purchased playlist on iPod touch. Purchased content is synced to the Purchased playlist for your iPod touch in iTunes the next time you connect iPod touch to your computer. See "Syncing Purchased Content."

  Note: If you purchase HD video on iPod touch 3rd generation, the video is downloaded in SD format.

  To view or sync videos in the Purchased playlist in iTunes on your computer, you must be signed in to your Apple account.

Sync purchased videos in iTunes: Connect iPod touch to your computer. In iTunes, select iPod touch in the Devices list, click the appropriate button (Movies, TV Shows, or Music for music videos), select the items you want to sync, then click Sync.

Select SD or HD format: In iTunes, Control-click or right-click a video marked "HD-SD" and choose Standard Definition or High Definition from the Version menu.

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 (tap More first, if Music isn't visible), 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 your Wi-Fi Internet connection 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 (tap More first, if Podcasts isn't visible) to browse podcasts in the iTunes Store. To see a list of episodes, tap a podcast. Video podcasts are indicated by the video ⬚ 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 (tap More first, if Podcasts isn't visible), 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 (tap More first, if Downloads isn't visible).

To pause a download, tap ⏸.

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 Apple account).

See the status of pre-ordered items: Tap Downloads (tap More first, if Downloads isn't visible).

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, the 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, tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.
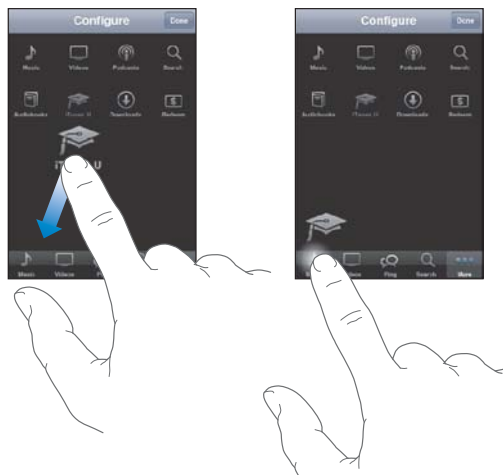
You can drag the buttons at the bottom of the screen left or right to rearrange them. When you finish, tap Done.

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

Viewing Account Information

To view your Apple 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 168.

Verifying Downloads

You can use iTunes on your computer to verify that all the music, videos, apps, 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 Apple 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.

App Store

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About the App Store

You can search for, browse, review, purchase, and download apps from the App Store directly to iPod touch. Apps that 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. When you sync iPod touch, you can also install apps you've purchased or downloaded from the iTunes Store on your computer.

Note: The App Store may not be available in all countries or regions, and App Store content may vary by country or region.

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 19. You also need an Apple account (may not be available in all countries or regions) to download apps. By default, iPod touch gets your Apple account settings from iTunes. If you don't have an Apple account, or if you want to make purchases from another Apple account, go to Settings > Store. See "Store" on page 168.

Browsing and Searching

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

Browse apps: Tap Featured, Categories, or Top 25. Choose a category, or choose a sort 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 Apple account.

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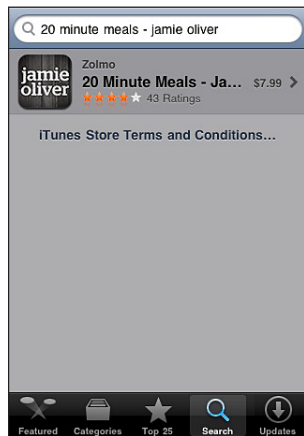
Info Screen

Tap any app in a list to see more information, such as the app's price, screenshots, and ratings.
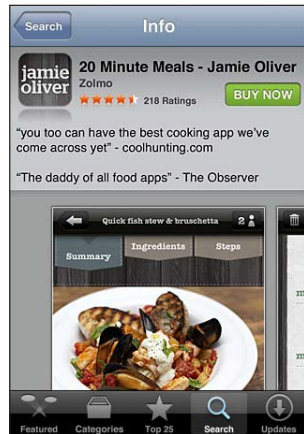
If you already installed the app, "Installed" appears instead of the price on the Info screen.
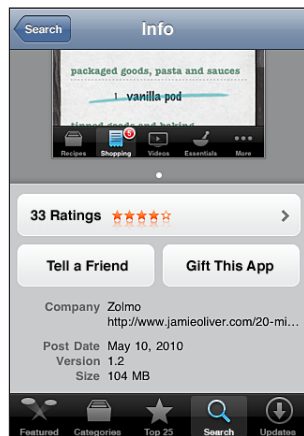
View screenshots: Scroll to near the bottom of the Info page. Flick left or right to view additional screenshot pages. Double-tap to zoom in.

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

Email a link to the app's Info page in iTunes: Tap "Tell a Friend" 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.

Send the app to someone as a gift: Tap "Gift This App" near the bottom of the Info screen, then follow the onscreen instructions.

Downloading Apps

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

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

Purchase and download an app:

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 Apple account, tap Create New Account to set one up.

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

Some apps allow you to make purchases within the app. You can restrict in-app purchases in Settings. See "Restrictions" on page 161.

Some apps use push notifications to alert you of new information, even when the app isn't running. Notifications vary depending on the app, but may include text or sound alerts, and a numbered badge on the app icon on the Home screen. See "Notifications" on page 156.

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 apps: After you begin downloading an app, 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 Apple account).

Deleting Apps

You can delete apps you install from the App Store. If you delete an app, data associated with the app is no longer available to iPod touch, unless you reinstall the app and restore its data from a backup.

You can reinstall an app and restore its data as long as you backed up iPod touch with iTunes on your computer. (If you try to delete an app that hasn't been backed up to your computer, an alert appears.) To retrieve the app data, you must restore iPod touch from a backup containing the data. See "Restoring from a Backup" on page 208.

Delete an App Store app:

1 Touch and hold any app icon on the Home screen, until the icons start to jiggle.

2 Tap ⊗ in the corner of the app you want to delete.

3 Tap Delete, then press the Home ⬜ button.

When you delete an app, its data is no longer accessible through the iPod touch user interface, but it isn't erased from iPod touch. For information about erasing all content and settings, see "Erase All Content and Settings" on page 165.

You can redownload any app that you've purchased from the App Store, free of charge.

Replace a deleted app:

- *On iPod touch:* Purchase the app again (you won't be charged).
- *In iTunes:* Connect iPod touch to your computer, select iPod touch in the Devices list, click Apps and select the checkbox next to the app, then click Apply.

Writing Reviews

You can write and submit your own app 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 app, 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 Apple account and have downloaded the item in order to submit reviews.

Updating Apps

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

If an update is available and you access the App Store, the Updates screen appears immediately. App updates are downloaded and automatically installed when you choose to update them.

App 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 app:

1 At the bottom of the screen, tap Updates.

2 Tap an app to see more information about the update.

3 Tap Update.

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

If you try to update an app purchased from a different Apple account, you're asked for that account ID and password in order to download the update.

Syncing Purchased Apps

When you connect iPod touch to your computer, iTunes syncs apps you download or purchase on iPod touch to your iTunes library. This lets you access the downloads on your computer and provides a backup if you delete apps from iPod touch.

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

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

Settings 23

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

Airplane Mode

Airplane mode disables the wireless features of iPod touch to reduce potential interference with aircraft operation and other electrical equipment.

Turn on airplane mode: Tap Settings and turn airplane mode on.

When airplane mode is on, ✈ appears in the status bar at the top of the screen. No Wi-Fi or Bluetooth signals are emitted from iPod touch, disabling many of iPod touch's features. You won't be able to:

- Make or receive FaceTime video calls
- Send or receive email
- Browse the Internet
- Sync your contacts, calendars, or bookmarks (MobileMe only) with MobileMe or Microsoft Exchange
- Stream YouTube videos
- Get stock quotes
- Get map locations
- Get weather reports
- Use the iTunes Store or the App Store
- Use Game Center

If allowed by the aircraft operator and applicable laws and regulations, you can continue to use iPod touch to:

- Listen to music and watch videos
- Check your calendar

- Take or view photos or video (iPod touch 4th generation or later)
- Hear alarms
- Use the stopwatch or timer
- Use the calculator
- Take notes
- Record voice memos
- Read email messages stored on iPod touch

If Wi-Fi is available and allowed by the aircraft operator and applicable laws and regulations, you can turn Wi-Fi back on and:
- Make or receive FaceTime video calls
- Send and receive email
- Browse the Internet
- Make FaceTime video calls
- Sync your contacts, calendars, and bookmarks (MobileMe only) with MobileMe and Microsoft Exchange
- Stream YouTube videos
- Get stock quotes
- Get map locations
- Get weather reports
- Use the iTunes Store or the App Store
- Use Game Center

You may also be allowed to turn on Bluetooth and use Bluetooth devices with 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 join 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: 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 158.

Notifications

This setting appears when you open an application (such as Game Center) that uses the Apple Push Notification service.

Push notifications alert you to new information, even when the app isn't running. Notifications vary by app, but may include text or sound alerts, and a numbered badge on the app icon on the Home screen.

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

Turn all notifications on or off: Tap Notifications, then turn notifications on or off.

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

Sounds

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

Set the FaceTime ringtone: Choose Sounds > Ringtone.

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

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

- Receive an email message
- Send an email message
- Receive a calendar event alert
- Lock iPod touch
- Type using the keyboard

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.

Wallpaper

Wallpaper settings let you set an image or photo as wallpaper for the Lock screen. On iPod touch 3rd generation or later, you can also set wallpaper for your Home screen. See "Adding Wallpaper" on page 30.

General

General settings include network, sharing, security, and other iOS settings. You can also find information about your iPod touch, and reset various iPod touch settings.

About

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

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

Network

Use 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 enter 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 "Connecting to the Internet" on page 19.

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

Turn VPN on or off: Choose VPN, then tap to turn VPN on or off.

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

Bluetooth

iPod touch can connect wirelessly to Bluetooth headphone devices for music listening. See "Bluetooth Devices" on page 40.

You can also connect the Apple Wireless Keyboard via Bluetooth. See "Using an Apple Wireless Keyboard" on page 37.

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

Location Services

Location services lets apps such as Maps and third-party location-based apps gather and use data indicating your location. The location data collected by Apple is not collected in a form that personally identifies you. Your approximate location is determined using available information from local Wi-Fi networks (if you have Wi-Fi turned on).

When an app is using location services, ◤ appears in the status bar.

Every app that uses location services appears in the Location Services settings screen, showing whether location services is turned on or off for that app. ◤ appears for each app that has requested your location within the last 24 hours. You can turn location services off for some or for all apps, if you don't want to use this feature. If you turn location services off, you're prompted to turn it on again the next time an app tries to use this feature.

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

Turn location services on or off for some apps: Turn location services on or off for the individual apps.

If you have third-party apps on iPod touch that use location services, review the third party's terms and privacy policy to understand how that app uses your location data.

To conserve battery life, turn location services off when you're not using it.

Home Button

Home Button settings (iPod touch 2nd generation only) let you specify what happens when you double-click the Home button. The "Spotlight Search" settings, described below, are also available under Home Button on iPod touch 2nd generation.

Set the action performed when you double-click the Home button: Choose General > Home Button and set the action. You can set double-clicking the Home button to go to:

- Home screen
- Search screen
- iPod app

Set whether double-clicking the Home button shows iPod controls when playing music: Choose General > Home Button, then tap the switch to turn iPod controls on or off. This feature overrides the action for double-clicking the Home button, and works even if the display is turned off or iPod touch is locked.

Spotlight Search

The Spotlight Search setting lets you specify the content areas searched by Search, and rearrange the order of the results.

Set which content areas are searched by Search:

1 Choose General > Spotlight Search (on iPod touch 2nd generation, choose General > Home > Spotlight Search).

2 Tap an item to select or deselect it.

All search categories are selected by default.

Set the order of search result categories:

1 Choose General > Spotlight Search (on iPod touch 2nd generation, choose General > Home > Spotlight Search).

2 Touch ≡ next to an item, then drag up or down.

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, then choose a time.

Passcode Lock

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

On iPod touch 3rd generation or later, setting a passcode enables data protection. See "Security Features" on page 42.

Important: On iPod touch 3rd generation, you must also restore iOS software to enable data protection. See "Restoring iPod touch" on page 207.

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 207.

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 locked before you need to enter a passcode to unlock it.

Turn Simple Passcode on or off: Choose General > Passcode Lock, then turn Simple Passcode on or off.

A simple passcode is a four-digit number. To increase security, turn off Simple Passcode and use a longer passcode with a combination of numbers, letters, punctuation, and special characters.

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 are erased:

- *On iPod touch 3rd generation or later:* by removing the encryption key to the data (which is encrypted using 256-bit AES encryption)
- *On iPod touch 2nd generation:* 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 iPod touch 3rd generation or later, the encryption key is removed immediately.)

Restrictions

You can set restrictions for the use of some apps 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.

Important: If you forget your passcode, you must restore the iPod touch software from iTunes. See "Updating and Restoring iPod touch Software" on page 207.

Set app 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 apps 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 apps on iPod touch.
	Camera is disabled and its icon is removed from the Home screen. You cannot take photos.
	You cannot make or receive FaceTime video calls (iPod touch 4th generation only).
	The current Location Services settings are locked and cannot be changed.

Restrict purchases within apps: Turn off In-App Purchases. When enabled, this feature allows you to purchase additional content or functionality within apps 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.

Content that you restrict won't appear on iPod touch.

Note: Not all countries or regions have rating systems.

Restrict multiplayer games: Turn off Multi Player Games.

When Multi Player Games is turned off, you can't request a match, or send or receive invitations to play games or add friends in Game Center. Friends that have already been added to Game Center still appear, and you can see information about them, but you can't add friends or play games with friends.

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, then turn 24-Hour Time on or off. (24-Hour Time may not be available in all countries or regions.)

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

By default, iPod touch capitalizes words after you type sentence-ending punctuation or a return character.

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

Normally, if the default keyboard for the language you select has a dictionary, iPod touch suggests corrections or completed words as you type.

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.

Add international keyboards:

1 Choose General > Keyboard > International Keyboards.

The number of active keyboards appears before the right arrow.

2 Tap "Add New Keyboard…," then choose a keyboard.

You can add as many keyboards as you want. To learn about using international keyboards, see "International Keyboards" on page 34.

Edit your keyboard list: Choose General > Keyboard > International Keyboards, then tap Edit and do one of the following:

- *To delete a keyboard,* tap ⊖, then tap Delete.
- *To reorder the list,* drag ≡ next to a keyboard to a new place in the list.

Change a keyboard's layout: In Settings, choose General > Keyboard > International Keyboards and select a keyboard. You can make separate selections for both the on-screen software and external hardware keyboards for each language.

The software keyboard layout determines the layout of the keyboard that appears on the iPod touch screen. The hardware keyboard layout determines the layout of an Apple Wireless Keyboard connected to iPod touch.

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 country or 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 (iPod touch 3rd generation or later).

Add international keyboards:

1 Choose General > International > Keyboards.

   The number of active keyboards appears next to the right arrow.

2 Tap "Add New Keyboard…," then choose a keyboard.

   You can add as many keyboards as you want. To learn about using international keyboards, see "International Keyboards" on page 34.

Edit your keyboard list: Choose General > International > Keyboards, then tap Edit and do one of the following:

* *To delete a keyboard,* tap ⊖, then tap Delete.
* *To reorder the list,* drag ☰ next to a keyboard to a new place in the list.

Change a keyboard layout: In Settings, choose General > International > Keyboards and select a keyboard. You can make separate selections for both the on-screen software and external hardware keyboards for each language.

The software keyboard layout determines the layout of the keyboard that appears on the iPod touch screen. The hardware keyboard layout determines the virtual layout of an Apple Wireless Keyboard connected to iPod touch.

Set the 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 apps.

Set the calendar format: Choose General > International > Calendar, and choose the format.

Accessibility

To turn on accessibility features (iPod touch 3rd generation or later), choose Accessibility and choose the features you want. See Chapter 27, "Accessibility," on page 189.

Profiles

This setting appears if you install one or more profiles on iPod touch. Tap Profiles to see information about the profiles you've installed.

Resetting iPod touch

Reset all settings: Choose General > Reset and tap Reset All Settings.

All your preferences and settings are reset. Information (such as contacts and calendars) and media (such as songs and videos) aren't affected.

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 iPod touch 3rd generation or later:* by removing the encryption key to the data (which is encrypted using 256-bit AES encryption)

*   *On iPod touch 2nd generation:* 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 iPod touch 3rd generation or later, the encryption key is removed immediately.)

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 location warnings: Choose General > Reset and tap Reset Location Warnings.

Location warnings are requests made by apps (such as Maps) to use location services. iPod touch presents a location warning for an app the first time the app makes a request to use location services. If you tap Cancel in response to the request, the request isn't presented again. To reset the location warnings so that you get a request for each app again, tap Reset Location Warnings.

Music

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 shuffle 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.

Show song lyrics and podcast information: Choose Music and turn Lyrics & Podcast Info on.

Video

Video settings apply to video content, including rented movies and TV shows. 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.

Note: Not all video content is encoded for closed captioning.

TV Out

Use these settings to control how iPod touch plays videos on your TV.

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 NTSC or PAL, depending on where you bought it. If you're not sure which to use, check the documentation that came with your TV.

For more information about using iPod touch to play videos on your TV, see "Watching Videos on a TV" on page 64.

Photos

Use the Slideshow 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.

FaceTime

Use FaceTime settings to turn FaceTime on or off, sign in or out of FaceTime, or view or change account information.

Turn FaceTime on or off: Choose FaceTime, sign in if you haven't already, then tap ON or OFF.

Sign in to FaceTime: Choose FaceTime, enter your name and password, and tap Sign In.

Create a new Apple account to use with FaceTime: Choose FaceTime and tap Create New Account and follow the onscreen instructions. If you don't see the Create New Account button, you're probably signed in already. Sign out and try again.

View account information: Choose FaceTime, tap Account, then tap View Account.

Add another email address: Choose FaceTime and tap Add Another Email, then enter the email address. A verification email is sent to the address. Follow the instructions in the verification email to complete the process.

Remove an address: Choose FaceTime, tap the address, then tap Remove This Email. If you don't see any addresses, sign in to FaceTime and try again.

Sign out of FaceTime: Choose FaceTime, tap Account, then tap Sign Out.

Store

Use Store settings to change or create an Apple account. By default, the Apple 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 apps from another account. If you don't have an Apple 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 Apple 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 accounts and turn on specific account services (such as mail, contacts, calendars, bookmarks, and notes) for iPod touch:

- Microsoft Exchange (mail, contacts, and calendars)
- MobileMe (mail, contacts, calendars, bookmarks, notes, and Find My iPod touch)
- Google (mail, calendars, and notes)
- Yahoo! (mail, calendars, and notes)
- AOL (mail and notes)
- Other POP and IMAP mail systems
- LDAP or CardDAV 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:
- "Adding Mail, Contacts, and Calendar Accounts" on page 19
- "Adding Contacts" on page 174
- "Subscribing to Calendars" on page 110

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 service: Choose "Mail, Contacts, Calendars," choose an account, then turn an account service (such as Mail, Calendars, or Notes) off.

If an account service is off, iPod touch doesn't display or sync information with that account service 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!, and any other push accounts on iPod touch. Push accounts deliver new information to iPod touch whenever 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's 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 often.

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 on the Fetch New Data screen) overrides individual account settings.

Mail

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 shown 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, 🔲 or 🔲 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, in the Mail settings, turn Ask Before Deleting on or off.

Set whether iPod touch automatically loads remote images: Choose "Mail, Contacts, Calendars" and turn Load Remote Images on or off.

Set whether mail messages are organized by thread: Choose "Mail, Contacts, Calendars" and turn Organize By Thread on or off.

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.

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.

Set the default email account: Choose "Mail, Contacts, Calendars" > Default Account, then choose an account.

This setting determines which of your accounts an email message is sent from when you create a message from another iPod touch app—for example, when you send a photo from Photos or tap 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.

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.

Calendars

Set alerts to sound when your 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.

Set a default calendar: Choose "Mail, Contacts, Calendars," and under Calendar, tap Default Calendar to choose the default calendar for new events. This setting appears when more than one calendar is synced to iPod touch.

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 163.

Notes

The Default Account setting appears when you set up more than one account that syncs notes.

Set which account a new note is assigned to: Choose "Mail, Contacts, Calendars," and under Notes, tap Default Account and choose an account.

Safari

Safari settings let you select your Internet search engine, set security options, and for developers, turn on debugging.

General

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 apps. 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 be 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 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 a database,* tap Databases, then tap Edit. Tap ⊖ next to a database, then tap Delete.

  Some web apps use databases to store app information on iPod touch.

- *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 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 app. See Chapter 25, "Nike + iPod," on page 179.

Contacts

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About Contacts

Contacts makes it easy to keep track of your friends and associates. You can add contacts directly on iPod touch, or sync contacts from applications on your computer. If you have a MobileMe or Microsoft Exchange account with Contacts enabled, or a supported CardDAV account, you can sync your contacts over the air without connecting iPod touch to your computer.

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 "iPod touch Settings Panes in iTunes" on page 47)

- Set up MobileMe or Microsoft Exchange accounts on iPod touch, with Contacts enabled (see "Setting Up MobileMe Accounts" on page 20 or "Setting Up Microsoft Exchange Accounts" on page 20)

- Install a profile that sets up an Exchange account, with Contacts enabled (see www.apple.com/iphone/business)

- Set up an LDAP or CardDAV 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 or CardDAV account:

1 In Settings, tap "Mail Contacts, Calendars," then tap Add Account.

2 Tap Other, then tap Add LDAP Account or Add CardDAV Account.

3 Enter your 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).

When you set up a CardDAV account, your account contacts are synced with iPod touch over the air. If it's supported, you can also search for contacts on your company or organization's CardDAV server.

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. If you have a CardDAV account, you can search contacts synced to iPod touch, or searchable contacts on a supported CardDAV server.

You can search the first, last, and company name fields. As you type in the search field, contacts with matching information appear immediately.

Search contacts: In Contacts, tap the search field at the top of any list of contacts and enter your search. (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 your search.

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 your search.

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

Search a CardDAV server: Tap Groups, tap the searchable CardDAV group at the bottom of the list, then enter your search.

You can't edit searchable CardDAV contacts from the server, but you can edit synced CardDAV contacts on iPod touch.

Contacts are included in searches from the Home screen. See "Searching" on page 38.

Managing Contacts on iPod touch

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

Delete a contact	In Contacts, choose a contact, than tap Edit. Scroll down and tap Delete Contact.
Enter a pause in a number	Tap ⊞, then tap Pause. Pauses appear as commas when the number is saved.

Edit contact information: Choose a contact, then tap Edit.

- *Add information:* Fill in a blank field.
- *Add an address:* Tap ⊕ Add New Address.
- *Add a field that's not showing:* Tap ⊕ Add Field.
- *Change the ringtone for the contact:* Tap the ringtone field, then choose a ringtone. To use the default ringtone specified in the Sounds settings, choose Default.
- *Delete an item:* Tap ⊖, then tap Delete.

You can change field labels by tapping the label and choosing a different one. To create a custom label, scroll to the bottom of the list and tap Add Custom Label.

If you sync contacts from your computer and also over the air, you can link contacts to create a single, unified contact.

Link a contact: In edit mode, tap ⊕ Link Contact, then choose a contact.,

See "Unified Contacts" on page 177.

Assign a photo to a contact:

1 Tap Contacts, then 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 Use Photo (new photo) or Choose (existing photo).

Using Contact Information

You can use the information on a contact's Info screen to:

- Create an email message in Mail, addressed to the contact
- Open the contact's home page in Safari
- Find the location of the contact's address in Maps, and get directions
- Share the contact information with others
- Add a phone number for the contact to your favorites list

Use a contact's info screen: Tap Contacts and choose a contact. Then tap an item.

— Send an email

— Visit the website

— See a map and get directions

— Call in FaceTime

◼◀ appears on the FaceTime button if you've previously had a FaceTime call with the contact.

Unified Contacts

When you sync contacts with multiple accounts, you might have entries for the same person in more than one account. To help keep redundant contacts from appearing in the All Contacts list on iPod touch, contacts that have the same first and last names (and not different prefixes, suffixes, or middle names) are linked and displayed as a single "unified contact" in your list. When you view a unified contact, the title Unified Info appears at the top of the screen. Unified contacts only appear in the All Contacts list.

The source accounts of a unified contact appear at the bottom of the screen, under Linked Cards.

View contact information for a source account: Tap one of the source accounts.

Unlink a contact: Tap Edit, tap ⊖, then tap Unlink.

Link a contact: Tap Edit, then tap ⊕ and choose a contact.

If you link a new contact to a unified contact with a different first or last name, the new name is added to the name field after a comma. For example, if you link an additional contact named Elizabeth to a unified contact for Betty, the first name field shows "Betty, Elizabeth."

Linked contacts are not merged. Unless you edit a unified contact, the separate contacts in the source accounts remain separate and unchanged. If you change information in a unified contact, the changes are copied to each source account in which that information already exists. If you add information to a unified contact, that information is added to every source account.

Linked contact information also appears at the bottom of an individual contact's Info screen when it's viewed from a specific account (as opposed to the All Contacts list), which lets you see the Unified Info screen and each of the other linked contacts.

Nike + iPod

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Activating Nike + iPod

When turned on in Settings, the Nike + iPod app appears on the Home screen (iPod touch 2nd generation or later). With a Nike + iPod Sensor (sold separately), the Nike + iPod app provides audible feedback on your speed, distance, time elapsed, and calories burned during a run or walk. You can send your workout information to nikeplus.com, where you can track your progress, set goals, and participate in challenges.
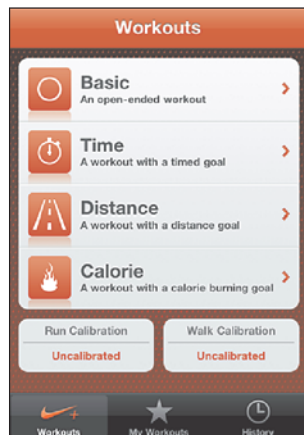
Turn Nike + iPod on or off: In Settings, choose Nike + iPod and turn Nike + iPod on or off. When Nike + iPod is turned on, its app icon appears on the Home screen.

See the Nike + iPod documentation for information about setting up and using Nike + iPod.

Linking a Sensor

The first time you start a workout, you're prompted to activate your sensor, which automatically links the sensor with iPod touch. You can also use Nike + iPod settings to link a sensor with iPod touch.

Nike + iPod can link to only one sensor at a time. To use a different sensor, use Nike + iPod settings to link the new sensor.

Link a sensor to iPod touch:

1 Put the Nike + iPod sensor in your shoe.

2 In Settings on iPod touch, choose Nike + iPod > Sensor.

3 Tap Link New, then walk around as instructed.

4 Tap Done when the sensor is linked.

Working Out with Nike + iPod

After activating Nike + iPod and inserting the Nike + iPod Sensor in your Nike+ ready shoe, you can use Nike + iPod for your workouts.

Work out using Nike + iPod:

1 In Nike + iPod on iPod touch, tap Workouts, then choose a type of workout.

2 Depending on the workout, you may need to set a time, distance, or calorie goal.

3 Choose a playlist or other audio selection, then start your workout.

4 When you finish your workout, tap End Workout.

To turn on spoken feedback or set other options, see "Nike + iPod Settings" on page 182.

Sending Workouts to Nikeplus.com

The first time you connect iPod touch to iTunes after a workout, you're asked if you want to automatically send your workouts to Nike+ when you sync iPod touch. Click Send to send your current workout to nikeplus.com and set iTunes to automatically send future workouts when you sync iPod touch with iTunes.

If you click Don't Send, you can set iTunes to do this later.

Set iTunes to automatically send workouts to nikeplus.com when you sync iPod touch with iTunes:

1   Connect iPod touch to your computer.

    Make sure your computer is connected to the Internet.

2   In iTunes, click Nike + iPod at the top of the screen, then select "Automatically send workout data to nikeplus.com."

3   Click "Visit nikeplus.com" or click Visit in the dialog that appears.

4   Click Save Your Runs and log in, or register if you haven't already done so.

    Send workout data wirelessly to nikeplus.com from iPod touch:

1   In Nike + iPod on iPod touch, tap History.

    Make sure iPod touch is connected to the Internet.

2   Tap "Send to Nike+."

3   Enter your email address and nikeplus.com account password, then tap "Login to Nike +."

    If you don't already have a nikeplus.com account, tap Join Nike+ to set one up.

    To see your workouts on nikeplus.com, log in to your account and follow the onscreen instructions.

Calibrating Nike + iPod

You calibrate Nike + iPod using a workout you just completed. You can only calibrate workouts of a quarter mile or more.

Calibrate iPod touch:

1   Run or walk a known distance, then tap End Workout.

2   Tap Calibrate, then enter the distance and tap Done.

    Reset Nike + iPod to the default calibration: In Settings, choose Nike + iPod, then tap Reset Calibration.

Nike + iPod Settings

In Settings, choose Nike + iPod to activate and adjust settings for the Nike + iPod app.

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).

Reset Nike + iPod to the default calibration: Tap Reset Calibration.

iBooks 26

About iBooks

iBooks is a great way to read and buy books. Download the free iBooks app from the App Store, and then get everything from classics to best sellers from the built-in iBookstore. Once you download a book, it's displayed on your bookshelf.

Add ePub and PDF books to your bookshelf using iTunes. Then tap a book to start reading. iBooks remembers your location, so you can easily return to where you left off. A wide range of display options makes the books easy to read.

Note: The iBooks app and the iBookstore may not be available in all languages or locations.

Available on the iBookstore. Title availability is subject to change.

To download the iBooks app and use the iBookstore, you need an Internet connection and an Apple account. If you don't have an Apple account, or if you want to make purchases from another Apple account, go to Settings > Store. See "Store" on page 168.

Syncing Books and PDFs

Use iTunes to sync your books and PDFs between iPod touch and your computer. When iPod touch is connected to your computer, the Books pane lets you select which items to sync.

You can sync books that you download or purchase from the iBookstore. You can also add DRM-free ePub books, and PDF documents that aren't password protected, to your iTunes library. There are several websites that offer ePub books.

Sync an ePub book or PDF file to iPod touch: Download the book or PDF file using your computer. Then, in iTunes, choose File > Add to Library. Connect iPod touch to your computer, select the book in the Books pane in iTunes, then sync iPod touch.

If a PDF file doesn't appear in the Books pane, you need to change its type in iTunes. Search your iTunes library to find the PDF file, select it, then choose File > Get Info. In the Options section of the file information window, choose Book from the Media Kind pop-up menu, then click OK.

Using the iBookstore

In the iBooks app, tap Store to open the iBookstore. From there, you can browse featured books or best-selling books, and browse for books by author or topic. When you find a book you like, you can purchase it and download it to iPod touch.

Note: Some features of the iBookstore may not be available in all locations.

Get more information: Tap a book cover to see more information about the book, or tap Get Sample to download a sample portion of the book. You can also read reviews, write reviews for books you purchase, or email a link about the book to a friend.

Purchase a book: Find a book you want, tap the price, then tap Buy Now. Sign in to your Apple account, then tap OK. Some books may be free for downloading.

The purchase is charged to your Apple account. If you make additional purchases within the next fifteen minutes, you don't have to enter your password again.

If you've already purchased a book and want to download it again, tap Purchases in the iBookstore and find the book in the list. Then tap Redownload to download the book to iPod touch.

Books that you purchase are synced to your iTunes library the next time you sync iPod touch with your computer. This provides a backup in case you delete the book from iPod touch. To read a deleted book, you must sync it back to iPod touch.

Reading Books

Reading a book is easy. Go to your bookshelf and tap Books. Find the book you want to read, then tap to open it.
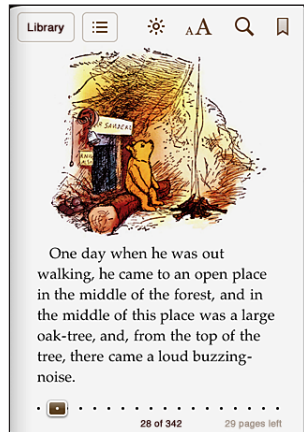
Turn pages: Tap near the right or left margin of a page, or flick left or right. To change the direction the page turns when you tap the left margin, go to Settings > iBooks.

Go to a specific page: Tap near the center of the current page to show the controls. Drag the page navigation control at the bottom of the screen to the desired page, then let go.

Go to the table of contents: Tap near the center of the current page to show the controls, then tap ☰. Tap an entry to jump to that location, or tap Resume to return to the current page.

Set or remove a bookmark: Tap the ribbon button to set a bookmark. To remove a bookmark, tap it. You don't need to set a bookmark when you close a book, because iBooks remembers where you left off and returns there when you open the book again.

Set or remove a highlight: Touch and hold any word until it's selected. Use the grab points to adjust the selection, then tap Highlight. To remove a highlight, tap the highlighted text, then tap Remove Highlight.

Change the color of a highlight: Tap the highlighted text, then tap Colors and select a color from the menu.

Add, remove, or edit a note: Touch and hold any word until it's selected. Use the grab points to adjust the selection range, then tap Note. Type some text, then tap the Done button. To view a note, tap the indicator in the margin near the highlighted text. To delete a note, tap the highlighted text, then choose Remove Note from the menu that appears.

See all your bookmarks, highlights and notes: To see the bookmarks, highlights, and notes you've added, tap ☰, then tap Bookmarks. To view a note, tap its indicator. Tap Done to close it.

Enlarge an image: Double-tap an image to enlarge it. Tap Done to return to close the zoomed image and continue reading.

If bookmark syncing is on, when you close a book, your bookmarks, highlights, notes, and current page information are saved in your Apple account. If you use iBooks and the same Apple account on multiple devices, all of your book details stay in sync.

To read a book while lying down, use the portrait orientation lock to prevent iPod touch from rotating the screen when you rotate iPod touch. See "Viewing in Portrait or Landscape Orientation" on page 26.

Viewing a PDF

You can use iBooks to view PDF documents. Go to the bookshelf and tap PDFs, then tap a document to open it.

Turn pages: Flick left or right.

Enlarge a page: Pinch to zoom in on the page, then scroll to see the portion you want.

Go to a specific page: Tap near the center of the current page to show the controls, then, in the page navigation controls at the bottom of the page, drag until the desired page appears, or tap a thumbnail to to jump to that page.

Go to the table of contents: Tap near the center of the current page to show the controls, then tap ☰. Tap an entry to jump to that location, or tap Resume to return to the current page. If the author hasn't defined a table of contents, you can tap a page instead.

Bookmarks, notes, and bookmark syncing are not available for PDF documents.

Changing a Book's Appearance

To change the appearance of books, access the controls by tapping near the center of a page.

Change the font or type size: Tap $_A$A, then in the list that appears, tap A or A to reduce or enlarge the type size. To change the font, tap Fonts, then select one from the list. Changing the font and size also changes text formatting.

Change the brightness: Tap ☼, then adjust the brightness. This setting applies only in iBooks.

Change the page and type color: Tap $_A$A, then turn the Sepia option on to change the color of the page and type.

Searching Books

You can search for the title or author of a book to quickly locate it on the bookshelf. You can also search the contents of a book to find all the references to a word or phrase you're interested in. You can also send a search to Wikipedia or Google to find other related resources.

Search for a book: Go to the bookshelf and tap the status bar to scroll to the top of the screen, then tap the magnifying glass. Enter a word that's in the title of a book, or the author's name, then tap Search. Matching books appear on the bookshelf.

Search in a book: Open a book and tap near the center of the page to show the controls. Tap the magnifying glass, then enter a search phrase and tap Search. Tap a search result to go to that page in the book.

To quickly search for a word, touch and hold the word, then tap Search.

To send your search to Google or Wikipedia, tap Search Google or Search Wikipedia. Safari opens and displays the result.

Looking up the Definition of a Word

You can look up the definition of a word using the dictionary.

Look up a word: Select a word in a book, then tap Dictionary in the menu that appears. Dictionaries may not be available for all languages.

Having a Book Read to You

If you have a visual impairment, you can use VoiceOver to read a book aloud. See "VoiceOver" on page 190.

Some books may not be compatible with VoiceOver.

Organizing Your Bookshelf

Use the bookshelf to browse and organize your books and PDFs. Tap Books or PDFs, or swipe left or right, to switch between them.

Sort the bookshelf: Go to the bookshelf and tap the status bar to scroll to the top of the screen, then tap ≡ to select a sort method. If you don't see ≡, scroll past the top of the bookshelf to reveal it.

Rearrange items: Touch and hold a book or PDF document, then drag it to a new location on the bookshelf.

Delete an item from the bookshelf: Tap Edit, then tap ⊗ next to each book or PDF document that you want to delete. When you finish deleting, tap Edit or press Home.

If you've synced iPod touch to your computer, deleted items remain in your iTunes library. If you delete a book you purchased, you can also download it again from Purchases in iBookstore.

Bookmark and Note Syncing

iBooks saves your bookmarks, notes, and current page information in your Apple account, so they're always up to date and you can read a book seamlessly across multiple devices.

Turn bookmark syncing on or off: Go to Settings > iBooks, then turn Sync Bookmarks on or off.

You must have an Internet connection to sync your settings. iBooks syncs bookmarks, notes, and current page information for all of your books when you open or quit the app. Individual books are also synced when you open or close them.

Accessibility

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Universal Access Features

In addition to the many features that make iPod touch easy to use for everyone, accessibility features (iPod touch 3rd generation or later) 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

- Large Text

- White on Black

- Mono Audio

- Speak Auto-text

- Support for braille displays

With the exception of VoiceOver, these accessibility features work with all iPod touch apps, including third-party apps you download from the App Store. VoiceOver works with all apps that come preinstalled on iPod touch, and with many third-party apps.

For more information about iPod touch accessibility features, go to www.apple.com/accessibility.

Each accessibility feature can be turned on or off in 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 Devices list.

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.

Universal Access		
Seeing: ○ VoiceOver		
○ Zoom		
◉ Neither		
☐ Use white-on-black display		
☐ Speak Auto-text		
Hearing: ☐ Use mono audio		
☐ Show closed captions when available		
Cancel	OK	
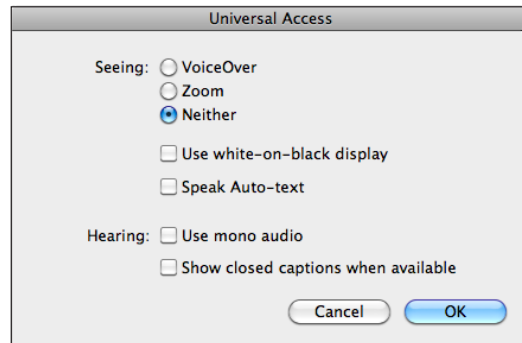
The Large Text feature can only be turned on or off using iPod touch settings. See "Large Text" on page 203.

You can turn closed captioning on or off in Video settings. See "Videos" on page 62.

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 is available in many languages, but not all.

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 then selects and speaks the first element of the screen (typically, the item in the upper-left corner). VoiceOver also lets you know when the screen changes to landscape or portrait, and when it 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.

The tasks in this section describe how to change VoiceOver settings when VoiceOver is turned off. To learn how to select items, tap, adjust sliders, and perform other actions when VoiceOver is turned on, see "Using VoiceOver" on page 195.

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 203.

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. When 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." Speak Hints is 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.

Use phonetics	In Settings, choose General > Accessibility > VoiceOver, then tap the Use Phonetics switch to turn it on.
	Use this feature when you type or read character-by-character, to help make clear which characters were spoken. When Use Phonetics is turned on, Voiceover first speaks the character, then speaks a word beginning with the character. For example, if you type the character "f," VoiceOver speaks "f," and then a moment later, "foxtrot."
Use pitch change	In Settings, choose General > Accessibility > VoiceOver, then tap the Use Pitch Change switch to turn it on.
	VoiceOver uses a higher pitch when entering a letter, and a lower pitch when deleting a letter. VoiceOver also uses a higher pitch when speaking the first item of a group (such as a list or table) and a lower pitch when speaking the last item of a group.

By default, VoiceOver uses the language that's set for iPod touch. You can set a different language for VoiceOver.

Set the language for iPod touch: 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.

Set the language for VoiceOver: In Settings, choose General > International > Voice Control, then choose the language.

If you change the language for iPod touch, you may need to reset the language for VoiceOver.

Set the rotor options for web browsing: In Settings, choose General > Accessibility > VoiceOver > Web Rotor. Tap to select or deselect options. To change the position of an item in the list, touch ≣ next to the item, then drag up or down.

Select the languages available in the Language rotor: In Settings, choose General > Accessibility > VoiceOver > Language Rotor and tap to select the language or languages you want to appear in the Language rotor. To change the position of a language in the list, touch ≣ next to the language and drag up or down.

The Language rotor is always available when you've selected more than one language.

VoiceOver Gestures

When VoiceOver is turned on, the standard touchscreen gestures have different effects. These and some additional gestures let you move around the screen and control individual elements when they're selected. VoiceOver gestures include two- and three-fingers gestures 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 them.

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 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. Many find the "split-tap" gesture especially effective: instead of selecting an item and double-tapping, you can touch and hold an item with one finger, then tap the screen with another finger. Try different techniques to discover which works best for you.

If your gestures don't work, try quicker movements, especially for double-tapping and flicking gestures. To flick, try quickly brushing the screen with your finger or fingers. When VoiceOver is turned on, the VoiceOver Practice button appears, which gives you a chance to practice VoiceOver gestures before proceeding.

Practice gestures: In Settings, choose General > Accessibility > VoiceOver, then tap VoiceOver Practice. When you finish practicing, tap Done.

If you don't see the VoiceOver Practice button, make sure VoiceOver is turned on.

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 194.
- *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.
- *Two-finger "scrub":* Move two fingers back and forth three times quickly (making a "z") to dismiss an alert or go back to the previous screen.
- *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).
- *Four-finger flick up:* Select the first element on the screen.
- *Four-finger flick down:* Select the last element on the screen.

Activate

- *Double-tap:* Activate selected item.
- *Triple-tap:* Double-tap an item.
- *Split-tap:* An alternative to selecting an item and double-tapping is to touch an item with one finger, then tap the screen with another to activate an 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 screen curtain on or off.

Rotor Control

The rotor control is a virtual 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 current setting appears on the screen and is spoken aloud.

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, you can use the rotor setting to hear all the text (either word-by-word or character-by-character), or to jump from one element to another of a certain type, such as headers or links.

The following lists show the available rotor options, depending on the context of what you're doing.

Reading text
Select and hear text by:

- Character
- Word
- Line

Browsing a webpage
Select and hear text by:

- Character
- Word
- Line
- Heading
- Link
- Form control
- Table
- List
- Landmark
- Visited link
- Non-visited link
- Image
- Static text

Zoom in or out

Entering text

Move insertion point and hear text by:

- Character

- Word

- Line

Select edit function

Select language

Using a control (such as the spinner for setting the time in Clock)

Select and hear values by:

- Character

- Word

- Line

Adjust the value of the control object

Speech (available using Apple Wireless Keyboard only)

Adjust VoiceOver speaking by:

- Volume

- Rate

- Typing echo

- Use pitch change

- Use Phonetics

See "Controlling VoiceOver Using an Apple Wireless Keyboard" on page 199.

You can select which rotor options appear for web browsing, and arrange their order. See "Setting Up VoiceOver" on page 191.

Using VoiceOver

Select items on the screen: Drag your finger over the screen. VoiceOver identifies each element as you touch it. You can 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.

Use four-finger gestures to select the first or last element on a screen.

- *Select the first element on a screen:* Flick up with four fingers.

- *Select the last element on a screen:* Flick down with four fingers.

"Tap" a selected item when VoiceOver is turned on: Double-tap anywhere on the screen.

"Double-tap" a selected item when VoiceOver is turned on: Triple-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. Use phonetics to have VoiceOver also speak a word beginning with the character being spoken. See "Setting Up VoiceOver" on page 191.

Twist the rotor control to have VoiceOver 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 screen, or flick up to page up. 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.
Reorder a list	Some lists, such as Favorites in Phone, and Web Rotor and Language Rotor in Accessibility settings can be reordered. Select ☰ on the right side of an item, double-tap and hold until you hear a sound, then drag up or down. VoiceOver speaks the item you've moved above or below, depending on the direction you're dragging.

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 your 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, 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. If you have an external keyboard connected, you can also press the Control key on the keyboard to mute or unmute VoiceOver.
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 the screen curtain on or off	Triple-tap with three fingers. When screen curtain is on, the screen contents are active even though the display is turned off.
Speak the entire screen from the top	Flick up with two fingers.
Speak from the current item to the bottom of the screen	Flick down with two fingers.

You can hear iPod touch status information 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 enter an editable text field, you can use the onscreen keyboard or an external keyboard connected to iPod touch to enter text.

There are two ways to enter text in VoiceOver—standard typing and "touch" typing. With standard typing, you select a key, then double-tap the screen to enter the character. With touch typing, you touch to select a key and the character is entered automatically when you lift your finger. Touch typing can be quicker, but may require more practice than standard typing.

VoiceOver also lets you use the editing features of iPod touch to cut, copy, or paste in a text field.

Enter text:

1 Select a text field to bring up the onscreen keyboard.

 You may need to double-tap to bring up the keyboard, if it doesn't appear automatically. VoiceOver will tell you if the text field "is editing" or if you need to "double-tap to edit."

 If the field already contains text, the insertion point is placed either at the beginning or at the end of the text. Double-tap to move the insertion point to the opposite end. VoiceOver tells you the position of the insertion point.

2 Use the keyboard to type characters:

- *Standard typing:* Select a key on the keyboard by flicking left or right, then double-tap to enter the character. Or move you finger around the keyboard to select a key and, while continuing to touch 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 the character is entered.

- *Touch typing:* Touch a key on the keyboard to select it, then lift your finger to enter the character. If you touch the wrong key, move your finger on the keyboard until you select the key you want. VoiceOver speaks the character for each key as you touch it, but doesn't enter a character until you lift your finger.

    Note: Touch typing works only for the keys that actually enter text. Use standard typing for other keys such as Shift, Delete, and Return.

VoiceOver tells you when it thinks you've misspelled a word.

Choose standard or touch typing: With VoiceOver turned on and a key selected on the keyboard, use the rotor to select Typing Mode, then flick up or down.

Move the insertion point: Use the rotor to choose whether you want to move the insertion point by character, by word, or by line. By default, VoiceOver moves the insertion point character-by-character.

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 moves across.

When moving the insertion point by word, VoiceOver speaks each word as you move across it. When moving forward, the insertion point is placed at the end of the traversed word, before the space or punctuation that follows it. When moving backward, the insertion point is placed the end of the word *preceding* the traversed word, before the space or punctuation that follows it. To move the insertion point past the punctuation at the end of a word or sentence, use the rotor to switch back to character mode.

When moving the insertion point by line, VoiceOver speaks each line as you move across it. When moving forward, the insertion point is placed at the beginning of the next line (except when you reach the last line of a paragraph, when the insertion point is moved to the end of the line just spoken). When moving backward, the insertion point is placed at the beginning of the line that's spoken.

Delete a character: Select the ⌫, then double-tap or split-tap. You must do this even when touch typing. To delete multiple characters, touch and hold the Delete key, then tap the screen with another finger once for each character your want to delete. VoiceOver speaks the character as it's deleted. If you have Use Pitch Change turned on, VoiceOver speaks deleted characters in a lower pitch.

Select text: Set the rotor to Edit, flick up or down to choose Select or Select All, 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 apart or together 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.

Enter an accented character: In standard typing mode, select the plain character, then double-tap and hold until you hear a sound indicating alternate characters have appeared. Drag left or right to select and hear the choices. Release your finger to enter the current selection.

Change the language you're typing in: Set the rotor to Language, then flick up or down. Choose "default language" to use the language specified in International settings.

Note: The Language rotor appears only if you select more than one language in the VoiceOver Language Rotor setting. See "Setting Up VoiceOver" on page 191.

Controlling VoiceOver Using an Apple Wireless Keyboard

You can control VoiceOver using an Apple Wireless Keyboard paired with iPod touch. See "Using an Apple Wireless Keyboard" on page 37.

The VoiceOver keyboard commands let you navigate the screen, select items, read screen contents, adjust the rotor, and perform other VoiceOver actions. All the keyboard commands (except one) include Control-Option, abbreviated in the table below as "VO."

VoiceOver Help speaks keys or keyboard commands as you type them. You can use VoiceOver Help to learn the keyboard layout and the actions associated with key combinations.

VoiceOver Keyboard Commands
VO = Control-Option

Read all, starting from the current position	VO–A
Read from the top	VO–B
Move to the status bar	VO–M
Press the Home button	VO–H
Select the next or previous item	VO–Right Arrow or VO–Left Arrow
Tap an item	VO–Space bar
Double-tap with two fingers	VO–"-"
Choose the next or previous rotor item	VO–Up Arrow or VO–Down Arrow

Choose the next or previous speech rotor item	VO–Command–Left Arrow or VO–Command–Right Arrow
Adjust speech rotor item	VO–Command–Up Arrow or VO–Command–Down Arrow
Mute or unmute VoiceOver	VO–S
Turn the screen curtain on or off	VO–Shift-S
Turn on VoiceOver help	VO–K
Return to the previous screen, or turn off VoiceOver help	Escape

Quick Nav

Turn on Quick Nav to control VoiceOver using the arrow keys. Quick Nav is off by default.

Turn Quick Nav on or off	Left Arrow–Right Arrow
Select the next or previous item	Right Arrow or Left Arrow
Select the next or previous item specified by the rotor setting	Up Arrow or Down Arrow
Select the first or last item	Control–Up Arrow or Control–Down Arrow
"Tap" an item	Up Arrow–Down Arrow
Scroll up, down, left, or right	Option–Up Arrow, Option–Down Arrow, Option–Left Arrow, or Option–Right Arrow
Change the rotor	Up Arrow–Left Arrow or Up Arrow–Right Arrow

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.

Using a Braille Display with VoiceOver

Setting Up a Braille Display

You can use a refreshable Bluetooth braille display to read VoiceOver output in braille. In addition, braille displays with input keys and other controls can be used to control iPod touch when VoiceOver is turned on. iPod touch works with many of the most popular wireless braille displays. For a list of supported braille displays, see www.apple.com/accessibility.

Set up a braille display:

1 Turn on the braille display.

2 On iPod touch, turn on Bluetooth.

 In Settings, choose General > Bluetooth, then tap the Bluetooth switch.

3 In Settings, choose General > Accessibility > VoiceOver > Braille, then choose the braille display.

Turn contracted braille on or off: In Settings, choose General > Accessibility > VoiceOver > Braille, then tap the Contracted Braille switch.

Choosing a Language

The braille display uses the language that's set for Voice Control. By default, this is the language set for iPod touch in Settings > International > Language. You can use the VoiceOver language setting to set a different language for VoiceOver and braille displays.

Set the language for VoiceOver: In Settings, choose General > International > Voice Control, then choose the language.

If you change the language for iPod touch, you may need to reset the language for VoiceOver and your braille display.

Controlling VoiceOver with Your Braille Display
You can set the leftmost or rightmost cell of your braille display to provide system status and other information:

- Announcement History contains an unread message
- The current Announcement History message has not been read
- VoiceOver speech is muted
- The iPod touch battery is low (less than 20% charge)
- iPod touch is in landscape orientation
- The screen display is turned off
- The current line contains additional text to the left
- The current line contains additional text to the right

Set the leftmost or rightmost cell to display status information: In Settings, choose General > Accessibility > VoiceOver > Braille > Status Cell, then tap Left or Right.

See an expanded description of the status cell: On your braille display, press the status cell's router button.

Zoom

Many iPod touch apps let you zoom in or out on specific elements. For example, you can double-tap or use the pinch gesture to expand webpage columns in Safari.

Zoom is also a special accessibility feature that lets you magnify the entire screen of any app 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.

Large Text

Large Text lets you make the text larger in alerts, Contacts, Mail, Messages, and Notes. You can choose 20-point, 24-point, 32-point, 40-point, 48-point, or 56-point text.

Set the text size: In Settings, choose General > Accessibility, tap Large Text, then tap the text size you want.

White on Black

Use White on Black to invert the colors on the iPod touch screen, which may make it easier to read the screen. When White on Black is turned on, the screen looks like a photographic negative.

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 iPod touch features 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 "" on page 166.

Note: Not all video content is encoded for closed captioning.

Voice Control

Voice Control (iPod touch 3rd generation or later) lets you control iPod music playback by using voice commands. See "Using Voice Control with iPod" on page 57.

Widescreen Keyboards

Several apps let you rotate iPod touch when you're typing, so you can use a larger keyboard:

- Mail
- Safari
- Notes
- Contacts

Instant Messaging (IM) Chat

The App Store features many Internet Messaging (IM) apps, 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 170.

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.

Support and Other Information

Apple iPod touch Support Site

Comprehensive support information is available online at
www.apple.com/support/ipodtouch.

Restarting and Resetting iPod touch

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

Restart iPod touch: Press and hold the On/Off 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 On/Off Sleep/Wake button until the Apple logo appears.

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

Force quit an app: Press and hold the On/Off Sleep/Wake button for a few seconds
until a red slider appears, then press and hold the Home button until the app quits. On
iPod touch 3rd generation or later, you can also remove an app from the recents list to
force it to quit. See "Opening and Switching Apps" on page 23.

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

Backing Up iPod touch

iTunes creates backups of settings, downloaded apps 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. See "Updating
and Restoring iPod touch Software" on page 207.

Backing up iPod touch or restoring from a backup isn't the same as syncing content and other items (such as music, podcasts, photos, videos, and apps that you download via iTunes) with your iTunes library. Backups include settings, downloaded apps and data, and other information on iPod touch. After you restore iPod touch, you need to sync again to get your music, videos, photos, apps, and other content back on iPod touch. See "Restoring from a Backup" on page 208.

Apps downloaded from the App Store are backed up the next time you sync with iTunes. Afterwards, only app data is backed up when you sync with iTunes.

Creating a Backup

iTunes creates a backup of iPod touch when you:

- Sync with iTunes

  By default, iTunes syncs iPod touch each time you connect iPod touch to your computer. See "Syncing with iTunes" on page 46. iTunes won't automatically back up an iPod touch that isn't configured to sync with that computer. You can also sync manually by clicking Sync in iTunes. Note that iTunes creates a backup only once each time iPod touch is connected to your computer, before the first sync that occurs. If you sync again, iTunes doesn't create another backup.

- Update iPod touch

  iTunes backs up iPod touch before updating iPod touch, even if it isn't configured to sync with iTunes on that computer.

- Restore iPod touch (if you choose to back up)

  iTunes asks if you want to back up iPod touch before restoring it.

For more information about backups, including the settings and information stored in a backup, go to support.apple.com/kb/HT1766.

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 doesn't 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 restore iPod touch software.

- *If you update,* the iPod touch software is updated. Your downloaded apps, settings, and data aren't affected.

  Note: In some cases, an update may also involve restoring iPod touch.

- *If you restore,* the latest version of iPod touch software is reinstalled, settings are restored to their default, and all data stored on iPod touch is deleted, including downloaded apps, 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 it isn't erased from iPod touch. For information about erasing all content and settings, see "Resetting iPod touch" on page 165.

If you use a Bluetooth headset with iPod touch and you restore settings, you must pair the Bluetooth device with iPod touch again to use it.

For more information about updating and restoring iPod touch software, go to support.apple.com/kb/HT1414.

Updating iPod touch

Make sure you have an Internet connection and have installed the latest version of iTunes from www.apple.com/itunes.

Update iPod touch:

1 Connect iPod touch to your computer.

2 In iTunes, select iPod touch in the Devices list, then click Summary at the top of the screen.

3 Click "Check for Update." iTunes tells you if there's a newer version of the iPod touch software available.

4 Click Update to install the latest version of the software.

Restoring iPod touch

Make sure you have an Internet connection and have installed the latest version of iTunes from www.apple.com/itunes.

Restore iPod touch:

1 Connect iPod touch to your computer.

2 In iTunes, select iPod touch in the Devices list, then click Summary at the top of the screen.

3 Click "Check for Update." iTunes tells you if there's a newer version of the iPod touch software available.

4 Click Restore. Follow the onscreen instructions to complete the restore process. When restoring, it is recommended that you back up iPod touch when prompted.

When the iPod touch software has been restored, you can either set it up as a new iPod touch, or restore your music, videos, app data, and other content from a backup.

After you restore from a backup, previous data is no longer accessible through the iPod touch user interface, but it isn't erased from iPod touch. For information about erasing all content and settings, see "Resetting iPod touch" on page 165.

Restoring from a Backup

You can restore the settings, app data, and other information from a backup, or use this feature to transfer these items to another iPod touch. Make sure you have an Internet connection and have installed the latest version of iTunes from www.apple.com/itunes.

Important: Restoring from a backup is not the same as restoring iPod touch from the Summary pane in iTunes. See "Restoring iPod touch" on page 207. Restoring from a backup does not fully restore iPod touch software. Also, restoring iPod touch from a backup restores all data in the backup, including data for apps. If you choose an old backup, restoring from it could replace the app data with data that is not current.

If you restore iPod touch from a backup of some other iPhone or iPod touch, some passwords and settings may not be restored. (Additional, but still not all, passwords and settings may be restored if the backup is encrypted.) For more information about the settings and information stored in a backup, go to support.apple.com/kb/HT1766.

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 Devices list 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, enter your password.

Safety, Software, and Service Information

This 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 *Important Product Information Guide* 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 (may not be available in all countries and regions), 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, or Adobe Photoshop Elements	See the documentation that came with those apps.
Obtaining warranty service	First follow the advice in this guide and online resources. Then go to www.apple.com/support or see the *Important Product Information Guide* 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/business to learn more about enterprise features of iPod touch, including:

- Microsoft Exchange
- Installing configuration profiles
- CalDAV
- CardDAV
- IMAP
- LDAP
- VPN

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 gedeponeerd.

Türkiye: EEE Yönetmeliğine (Elektrikli ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlandırılmasına Dair Yönetmelik) uygundur.

Taiwan:

廢電池請回收

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.

Brasil—Informações sobre descarte e reciclagem

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

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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