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1

Choosing your iPad

It's compact, it's stylish, it's powerful, and it's perfect for anyone, of any age. This chapter introduces the iPad and its iOS 7 operating system so you can quickly get up and running with this exciting tablet.

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'Apps' is just a fancy name for what are more traditionally called programs in the world of computing. The iPad has several apps that come built-in and ready for use. There are thousands more available for downloading from the online App Store (see Chapter Four, page 66).



The New icon pictured above indicates a new or enhanced feature introduced with the latest version of iOS 7.

The iEverything

The iPad is a tablet computer that has gone a long way to change how we think of computers and how we interact with them. Instead of a large, static object it is effortlessly mobile and even makes a laptop seem bulky by comparison.

But even with its compact size, the iPad still manages to pack a lot of power and functionality into its diminutive body. In this case, small is very definitely beautiful and the range of what you can do with the iPad is considerable:

- Communicate via email, video and text messaging.
- Surf the Web wirelessly.
- Add an endless number of new 'apps' from the Apple App Store.
- Use a range of entertainment tools, covering music, photos, video, books and games.
- Do all of your favorite productivity tasks such as word processing, creating spreadsheets or producing presentations.
- Organize your life with apps for calendars, address books, notes, reminders and much more.

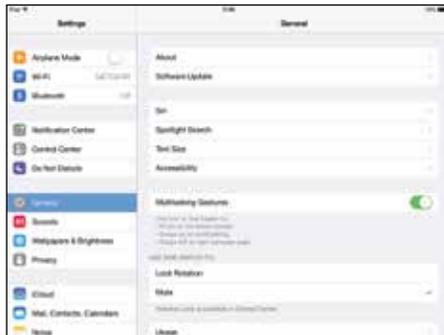
Add to this up to 10 hours' battery life when you are on the move, two different sizes (with a Retina Display screen of outstanding clarity) and a seamless backup system, and it is clear why the iPad can stylishly fulfil all of your computing needs.



Simplicity of the iPad

Computers have become a central part of our everyday lives, but there is no reason why they need to be complex devices that have us scratching our heads as to how to best use them. The iPad is not only stylish and compact, it also makes the computing process as simple as possible, so you can concentrate on what you want to do. Some ways in which this is done are:

- **Instantly on.** With the iPad there is no long wait for it to turn on, or wake from a state of sleep. When you turn it on, it is ready to use, it's as simple as that.
- **Apps.** iPad apps sit on the Home screen, visible and ready to use. Most apps are created in a similar format, so once you have mastered getting around them you will be comfortable using most apps.
- **Settings.** One of the built-in iPad apps is for Settings. This is a one-stop shop for customizing the way that your iPad looks and operates and also how settings for apps work.



- **Dock and Multitasking.** These are two functions that enable you to access your favorite apps quickly, regardless of what you are doing on your iPad.
- **Home button.** This enables you to return to the main Home screen at any time. It also has some additional functionality, depending on how many times you click it.



Much of the way you navigate around the iPad is done by tapping, or swiping, with your fingers, rather than with a traditional keyboard and mouse. There is also a virtual keyboard for input functions.



The Dock is the bar at the bottom of the iPad screen, onto which apps can be placed for quick access.



iOS 7 can be used on all iPads from the iPad 2 onwards and all versions of the iPad Mini.

iPad or iPad Mini?

Since its introduction in 2010 the iPad has evolved in both its size and specifications. When choosing your iPad the first consideration is which size to select. There are two options:

- **Full size iPad.** This is the original size of the iPad. It measures 9.7 inches (diagonal) and has a high resolution Retina Display screen.
- **iPad Mini.** The iPad Mini is similar in most respects to the larger version, except for its size. The screen measures 7.9 inches (diagonal) and is also lighter than the full size version.



4G and 3G enables you to connect to a mobile network to access the Internet, in the same way as with a cell/mobile phone. This requires a contract with a provider of this service, usually one of the cell/mobile phone companies.

The full size iPad not only currently has a higher resolution screen, it also has a slightly faster processor and some versions have larger storage capacities. However, in terms of functionality there is not a great difference between the two and the choice may depend on the size of screen that you prefer and how portable you would like your iPad to be (both versions are highly portable but the iPad Mini fits in a smaller pocket or bag).

Another variation in the iPad family is how they connect to the Internet and online services. There are two options:

- **With Wi-Fi connectivity.** This enables you to connect to the Internet via a Wi-Fi router, either in your own home, or at a Wi-Fi hotspot.
- **With Wi-Fi and 4G connectivity (where available, but it also covers 3G).** This should be considered if you will need to connect to the Internet when you are traveling away from home with a cellular connection.

Specifications Explained

When choosing your iPad some of the specifications to consider are:

- **Processor:** This determines the speed at which the iPad operates and how quickly tasks are performed.
- **Storage:** This determines how much content you can store on your iPad. Across the iPad family, the range of storage is 16GB, 32GB, 64GB or 128GB.
- **Connectivity:** The options for this are Wi-Fi and 3G/4G connectivity for the Internet, and Bluetooth for connecting to other devices over short distances.
- **Screen:** Look for an iPad with a Retina Display screen for the highest resolution and best clarity. This is a LED-backlit screen and available on the latest iPads.
- **Operating System.** The full size version of the iPad and the iPad Mini both run on the iOS 7 operating system.
- **Battery power:** This is the length of time the iPad can be used for general use such as surfing the Web on Wi-Fi, watching video, or listening to music. All models offer approximately 10 hours of use in this way.
- **Input/Output:** Both the iPad and the iPad Mini have similar output/input options. These are a lightning connector port (for charging), 3.5 mm stereo headphone minijack, built-in speaker, microphone and micro-SIM card tray (Wi-Fi and 4G model only).
- **Sensors:** These are used to access the amount of ambient light and also the orientation in which the iPad is being held. The sensors are accelerometer, ambient light sensor and gyroscope.
- **TV and video:** This determines how your iPad can be connected to a High Definition TV. This is done with AirPlay Mirroring.



The amount of storage you need may change once you have bought your iPad. If possible, buy a version with as much as possible.



Both the iPad and iPad Mini have an iSight camera on the back, which can take high resolution photos and capture video in high definition.



To connect your iPad to an HDTV you will need an Apple Lightning (or Dock) Digital AV Adapter or an Apple Lightning (or Dock) to VGA Adapter (sold separately).



To turn on the iPad, press and hold the On/Off button for a few seconds. It can also be used to Sleep the iPad or Wake it from the Sleep state.



If your iPad ever freezes, or if something is not working properly, it can be rebooted by holding down the Home button and the On/Off button for 10 seconds and then turning it on again by pressing and holding the Home button.

Before you Switch On

The external controls for the iPad are simple. Three of them are situated at the top of the iPad and the other is in the middle at the bottom. There are also two cameras, one on the front and one on the back of the iPad.

Controls

The controls at the top of the iPad are:

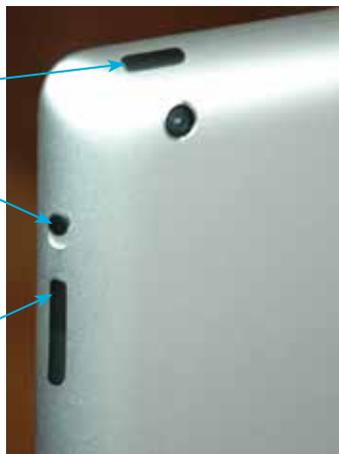
On/Off button

Side switch for silent mode (this applies to system sounds rather than the volume of items such as music or videos)

Volume Up or **Down** button

Cameras. One is located on the back, underneath the On/Off button and one on the front, top

Home button. Press this once to wake up the iPad or return to the Home screen at any point:



Speaker. The speaker is located on the bottom of the iPad:



Lightning connector. Connect the Lightning connector here to charge the iPad, or connect it to another computer. (See page 18 for more information on the connector for previous versions of the iPad)

Getting Started

To start using the iPad, press the On/Off button once and hold it down for a few seconds.

Initially there will be a series of Setup screens to move through before you can use the iPad. These include the following options (a lot of these can be skipped during the Setup and accessed later from the **Settings** app):

- **Language.** Select the language you want to use.
- **Country.** Select the country in which you are located.
- **Location Services.** This determines whether your iPad can use your geographical location for apps that use this type of information (such as Maps).
- **Wi-Fi network.** Select a Wi-Fi network to connect to the Internet. If you are at home, this will be your own Wi-Fi network, if available. If you are at a Wi-Fi hotspot then this will appear on your network list.
- **Apple ID.** You can register with this to be able to access a range of Apple facilities, such as iCloud, purchase items on iTunes or the App Store, Facetime, Messages and iBooks. You can also create an Apple ID whenever you access one of the relevant apps for the first time.
- **iCloud.** This is Apple's online service for sharing and backing up content. See Chapter Two for details.
- **Find My iPad.** This is a service that can be activated so that you can locate your iPad if it is lost or stolen. This is done via the online iCloud site at **www.icloud.com**
- **Diagnostic information.** This enables information about your iPad to be sent to Apple.
- **Register.** This enables you to register your iPad with Apple, as the registered owner.
- **Start using.** Once the setup process has been completed you can start using your iPad.



For details about obtaining an Apple ID see Chapter Five.



For more information about using iCloud see Chapter Two.



The Find My iPad function can also be set up within the **Privacy > Location Services** and **iCloud** sections of the **Settings** app (see page 180).



The interpretation of everyday items in the design of computer interfaces is known as skeuomorphic.



To check the version of the iOS, look in **Settings > General > Software Update.**

About iOS 7

iOS 7 is the latest version of the operating system for Apple's mobile devices including the iPad, the iPhone and the iPod Touch.

iOS 7 is one of the most dramatic cosmetic changes to the operating system in its history. It was overseen by the designer Jonathan Ive, who was responsible for some of the most iconic Apple devices including the iMac, iPod and iPhone. The design is intended to be a cleaner, simpler one for the icons and apps and moves away from previous styles, which relied on the interpretation of everyday materials such as paper, leather, wood and felt.

iOS 7 icons



iOS 6 icons



iOS 7 is designed to be as visually appealing as possible and one way in which this is done is to produce the effect of different layers for the elements of the operating system. For instance, when you are viewing the Home screen, the layer with the apps appears to move independently from the background when you tilt and move the iPad. Also, a specific color palette has been used across all of the built-in apps to give as much consistency as possible.

The operation of iOS 7 is generally the same as for previous versions of the operating system but the design has helped to take the experience for the user to a new level.

Home Screen

Once you have completed the Setup process you will see the Home screen of the iPad. This contains the built-in apps:



At the bottom of the screen are four apps that appear by default in the Dock area.

Rotate the iPad and the orientation changes automatically.



There are 34 different wallpaper backgrounds for iOS 7 on the iPad. These can be found in **Settings > Wallpapers & Brightness**. Some of the wallpapers are **Dynamic**, which means that they appear to move independently from the apps icons when you tilt the iPad. The other backgrounds are **Stills** and you can also use your own pictures from the Photos app. The examples used in this book are from the dynamic range.



Items on the Dock can be removed and new ones can be added. For more details see Chapter Two.

Home Button

The Home button, located at the bottom, middle on the iPad, can be used to perform a number of tasks:

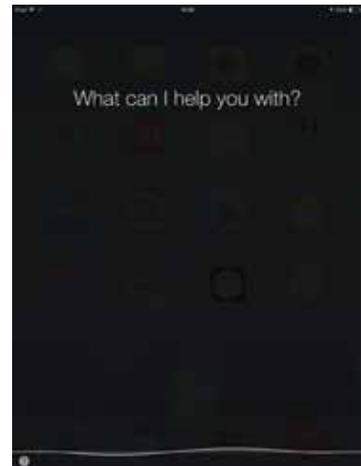
- 1 Click once on the **Home** button to return to the Home screen at any point



- 2 Double-click on the **Home** button to access the **Multitasking** window. This shows the most recently-used and open apps



- 3 Press and hold on the **Home** button to access the Siri voice assistant function



For more information about using the iPad search facilities, see Chapter Two.

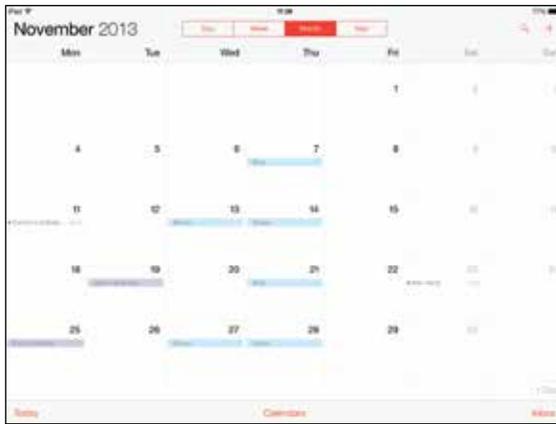
Opening Items

All apps on your iPad can be opened with the minimum of fuss and effort:

- 1 Tap once on an icon to open the app



- 2 The app opens at its Home screen

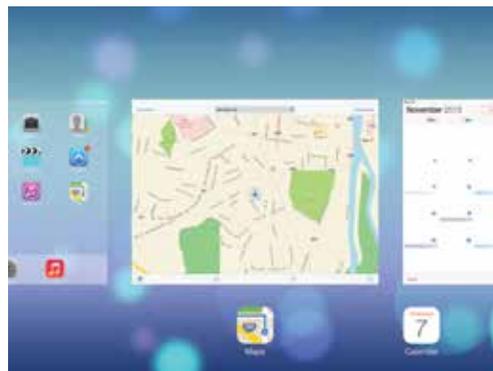


For details about closing items see Chapter Two.

- 3 Click once on the **Home** button to return to the Home screen



- 4 From the Multitasking window swipe between apps and tap on one to open it directly





Previous versions of the iPad have a Dock connector, with 30 pins, instead of a Lightning connector, which only has 8 pins.



If you have older accessories with Dock connector points you can buy a Lightning to 30-pin adapter so that you can still use them with a fourth generation (and later) iPad.



Charging your iPad

The iPad comes with a Lightning connector to USB Cable and a USB Power Adapter, for charging the iPad:

- 1 Connect the USB end of the Lightning connector to the Power Adapter



- 2 Connect the other end of the Lightning connector to the iPad



- 3 Plug in the Power Adapter



The iPad can also be charged by connecting it with the Lightning connector to another computer. However, this has to be another Mac computer and, if it is a MacBook, it also has to be plugged in for the iPad to charge.