

iPhone 8, iPhone 8 Plus, and iPhone X

The Fast and Easy Way to Learn





Guy Hart-Davis



iPhone[®] 8, iPhone[®] 8 Plus, and iPhone[®] X

by Guy Hart-Davis



Teach Yourself VISUALLY™ iPhone[®] 8, iPhone[®] 8 Plus, and iPhone[®] X

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How to Use This Book

Who This Book Is For

This book is for the reader who has never used this particular technology or software application. It is also for readers who want to expand their knowledge.

The Conventions in This Book Steps

This book uses a step-by-step format to guide you easily through each task. **Numbered steps** are actions you must do; **bulleted steps** clarify a point, step, or optional feature; and **indented steps** give you the result.

2 Notes

Notes give additional information — special conditions that may occur during an operation, a situation that you want to avoid, or a cross reference to a related area of the book.

3 Icons and Buttons

Icons and buttons show you exactly what you need to click to perform a step.

👍 Tips

Tips offer additional information, including warnings and shortcuts.

6 Bold

Bold type shows command names, options, and text or numbers you must type.

6 Italics

Italic type introduces and defines a new term.



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CHAPTER 1

Getting Started with Your iPhone

In this chapter, you set up your iPhone to work with your computer or iCloud. You choose items to sync and learn to use the iPhone interface.



Identify and Compare the iPhone Models
Meet Your iPhone's Hardware Controls
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Using Control Center
Using 3D Touch

Identify and Compare the iPhone Models

The iPhone is a series of hugely popular smartphones designed by Apple. As of this writing, Apple sells six iPhone models that differ in size, power, and price. This section explains the six models, their common features, and their differences to enable you to distinguish them and choose among them.

Understanding the Six iPhone Models

As of this writing, Apple sells six iPhone models:

- iPhone X, introduced in 2017. The iPhone X has the largest screen of the iPhone models and very thin bezels around the screen. The front camera, flash, and microphone are inset in the middle of the top edge of the screen. In the name, X is pronounced as "ten" rather than the letter.
- iPhone 8 and iPhone 8 Plus, also introduced in 2017. The iPhone 8 Plus is physically larger than the iPhone 8.
- iPhone 7 and iPhone 7 Plus, introduced in 2016. As with the iPhone 8 models, the iPhone 7 Plus is physically larger than the iPhone 7.
- iPhone SE, introduced in 2016. The iPhone SE is the most compact iPhone.

All of the iPhone models except the iPhone X have the Home button, a physical button for navigation, below the screen. The iPhone X uses gestures instead of the Home button.

Understanding the Common Features of the iPhone Models

Each iPhone comes with the Apple EarPods headset, which incorporates a remote control and a microphone. For all current iPhone models except the iPhone SE, the Apple EarPods headset connects via the Lightning connector, and the iPhone comes with a Lightning-to-3.5mm headphone jack adapter for connecting analog headphones via the Lightning port. For the iPhone SE and most earlier iPhone models, the headset connects via the headphone socket. Each iPhone includes a USB power adapter and a Lightning-to-USB cable. Each iPhone uses a nano-SIM card to connect to cellular networks. Each iPhone except the iPhone X has a Touch ID fingerprint reader.

Each iPhone runs iOS 11, the latest operating system from Apple, which comes with a suite of built-in apps, such as the Safari web browser and the Mail e-mail app.

The iPhone X models come in two colors: black, which is matte rather than glossy; and silver. The iPhone 8 models and iPhone 7 models come in five colors: jet black, which is glossy; black, which is matte; silver; gold; and rose gold. The iPhone SE comes in four colors: gold, silver, space gray, and rose gold.

The iPhone X has dual 12-megapixel cameras on the back and a front-facing camera with extra features that enable the Face ID authentication and unlocking system.

The iPhone 8 models and the iPhone 7 models have a 12-megapixel main camera on the back and a 7-megapixel camera on the front. The iPhone 8 Plus and the iPhone 7 Plus also include a second camera unit to enable optical zoom and other features. The iPhone SE has a 12-megapixel main camera and a 1.2-megapixel front camera.







iPhone X

Compare the iPhone X with the iPhone 8 Models

The iPhone X has the biggest screen of any iPhone but is physically smaller than the iPhone 8 Plus. To achieve its compact size, the iPhone X has much slimmer bezels than the iPhone 8 models. On the iPhone X, the front camera module, speaker, and microphone are inset into a cutout in the top of the screen, whereas on other iPhone models they are located in the top bezel above the screen.

Unlike other iPhone models, the iPhone X has no Home button below the screen. To unlock the iPhone X, you use the Face ID authentication feature, whereas on other current iPhone models, you use the Touch ID fingerprint recognition built into the Home button. To display the Home screen on the iPhone X, you swipe up the bar from the bottom of the screen, whereas on other iPhone models, you press the Home button.

Compare the iPhone 8 Models with the iPhone 7 Models

The two iPhone 8 models, the iPhone 8 and the iPhone 8 Plus, have faster processors than the corresponding iPhone 7 models, the iPhone 7 and the iPhone 7 Plus. Although each model has a 12-megapixel main camera with the same aperture settings, the cameras on the iPhone 8 models feature improved True Tone flash with a feature called Slow Sync for more even lighting with flash.

The iPhone 8 models and iPhone 7 models have a Home button that features haptic feedback to simulate being pressed without moving. By contrast, the iPhone SE has a physical Home button that

CHAPTER

moving. By contrast, the iPhone SE has a physical Home button that actually presses in.

The iPhone 8 is fractionally bigger and heavier than the iPhone 7; the iPhone 8 Plus is fractionally bigger and heavier than the iPhone 7 Plus. These differences are almost imperceptible but may mean that tight-fitting cases for iPhone 7 models do not fit iPhone 8 models and vice versa.

Compare the iPhone Plus Models with the Regular Models

The iPhone 8 Plus and the iPhone 7 Plus are physically larger than the iPhone 8 and the iPhone 7 and have higher-definition screens that may enable you to see greater detail in photos and other high-definition content.

As well as being larger, the iPhone Plus models are somewhat heavier than the regular models; but if you are deciding between the Plus model and the regular model, your main consideration is likely to be whether the device will fit comfortably in your hand and your pocket or purse.

The iPhone 8 Plus and iPhone 7 Plus have a dual-camera module on the back rather than a single-camera module, as the other models have. One camera has a 28mm wide-angle lens, while the other has a 56mm telephoto lens to provide optical zoom, which gives higher image quality than the digital zoom provided by enlarging pixels via software. The Plus models also have a Portrait Mode for photos that blurs out the background to emphasize the subject; the iPhone X also has Portrait Mode.

All of these models have optical image stabilization to minimize camera shake. If you shoot many photos and videos, you may find this feature useful.

Identify and Compare the iPhone Models (continued)

A part from physical size, you should consider the storage capacity of the iPhone model you are Athinking of buying. Having more storage enables you to install more apps and carry more music, movies, and other files with you. Having plenty of storage is especially important for shooting videos with your iPhone.

Compare the iPhone SE with the Larger iPhone Models

The iPhone SE is physically smaller than the iPhone 8 model and the iPhone 7. Its 4-inch screen has lower resolution than the screens on the larger models. It processor, an A9 model, is relatively powerful, but less powerful than the A10 Fusion processor on the iPhone 7 and iPhone 7 Plus, which in turn is less powerful than the A11 Bionic processor on the iPhone 8 and iPhone 8 Plus.

While the rear camera on the iPhone SE has the same 12-megapixel resolution as the camera on the iPhone 8 models and iPhone 7 models, the front camera on the iPhone SE has relatively low 1.2-megapixel resolution.

All of these iPhone models have a Near Field Communication (NFC) chip that enables you to use the Apple Pay service to make payments from your iPhone.



Evaluate iPhone Storage Capacity

The iPhone models are available with different amounts of storage capacity. The diagram shows sample amounts of contents.

The iPhone X, iPhone 8, and iPhone 8 Plus come in 64GB and 256GB capacities.

The iPhone 7, iPhone 7 Plus, and iPhone SE come in 32GB and 128GB capacities.

Higher capacities command substantially higher prices, so you must decide how much you are prepared to spend. Generally speaking, higher-capacity devices get more use in the long run and are worth the extra cost.



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Getting Started with Your iPhone

Understanding the 3D Touch Feature

The iPhone X, the iPhone 8 models, and the iPhone 7 models include a feature called 3D Touch that provides shortcuts to content and to frequently used actions for the current item and context. 3D Touch uses force sensors in the screen to detect when you press the screen firmly rather than just tapping it. For example, you can press an app icon on the Home screen to display actions for that app. For instance, press **Maps** () to display the pop-up menu for the Maps app. You can then tap a button in the Maps Destinations box to get directions to upcoming appointments, tap **Mark My Location** to mark your location, tap **Send My Location** to share your location with a contact, or tap **Search Nearby** to search for businesses or other places near you.



3D Touch uses two actions, Peek and Pop. Peek enables you to get a preview of content by pressing it briefly. Pop opens the content when you press harder. For example, you can press an e-mail message to display a preview of its content using Peek. If you want to open the message, you press harder until the Pop action opens the message.

Understanding the Reachability Feature

iOS includes a feature called Reachability to help you use your iPhone with one hand when necessary. With the Reachability feature enabled, double-tap **Home** — double-tap rather than double-press — to slide the screen down so that you can easily reach the top of it. After you give a command, the screen slides back up again; if you decide not to give a command, double-tap **Home** again to slide the screen back up.

To enable Reachability, first tap **Settings** (o), tap **General** (o), and then tap **Accessibility**. Toward the bottom of the Accessibility screen, tap **Reachability** to display the Reachability screen, and then set the **Reachability** switch to On (\bigcirc).

Understanding the Live Photos Feature

All of the current iPhone models include a feature called Live Photos that enables you to capture short sections of video before and after a still photo. After capturing the Live Photo, you can make the video segments play by tapping and holding the photo.

You can view your Live Photos on other Apple devices, such as your iPad or your Mac. You can also use a Live Photo as the wallpaper for your iPhone's lock screen.

Meet Your iPhone's Hardware Controls

A fter unboxing your iPhone, connect it to its charger and charge the battery fully. Then turn your A iPhone on and meet its hardware controls: the Power/Sleep button, the Ringer On/Off switch, the Volume Up button, and the Volume Down button, and the Home button below the screen of all iPhone models except the iPhone X. If the store or carrier has not inserted a SIM card in the iPhone, you will need to insert a suitable card yourself (see the tip for details).

Meet Your iPhone's Hardware Controls

1 Press and hold the Power/Sleep button for a couple of seconds.

Note: The Power/Sleep button is on the right side of the iPhone X, the iPhone 8 models, and the iPhone 7 models, and on the top of the iPhone SE.

As the iPhone starts, the Apple logo appears on the screen.

Above the iPhone's screen are:

- A The front-facing camera.
- B The receiver speaker, which plays phone calls into your ear when you hold the iPhone up to your face.
- Below the iPhone's screen is the Home button, which you press to display the Home screen.

At the bottom of the iPhone are:

- The microphones.
- Intersection In
- The speakers.

Note: On the iPhone X, the camera and receiver speaker are located in the cutout at the top of the screen.

Note: The bottom edge of the iPhone SE has a mono speaker on the right and a 3.5mm headphone socket on the left, looking from the front.



Getting Started with Your iPhone



- 2 Turn the iPhone so that you can see its left side.
- 3 When you want to turn the ringer off, move the Ringer On/Off switch to the rear so that the orange background appears.

Note: Turn the ringer off when you do not want the iPhone to disturb you or the peace. Move the Ringer On/Off switch back to the front when you want to turn the ringer back on.

Press the Volume Up (+) button to increase the ringer volume.

Note: When the Camera app is displayed, you can press the Volume Up (+) button to take a picture with the camera.

- 5 Press the Volume Down (-) button to decrease the ringer volume.
- 6 When the lock screen appears, press **Home**. On an iPhone X, swipe up from the bottom of the screen.

The iPhone unlocks, and the Home screen appears.

TIP

How do I insert a SIM card in my iPhone?

If the store or carrier has not inserted a SIM card, insert the SIM removal tool in the SIM hole on the right side of the iPhone. If you do not have a SIM removal tool, straighten out the end of a small paperclip and use that instead. Push gently until the tray pops out, and then pull it with your fingernails. Insert the SIM in the tray, and then push the tray in fully.



Download, Install, and Set Up iTunes

To sync your iPhone with your computer, you use Apple's iTunes application. iTunes comes preinstalled on every Mac but not on PCs; to get iTunes for Windows, you download it from the Apple website and then install it on your PC.

If you do not have a computer, or you do not want to sync your iPhone with your computer, you can set up and sync your iPhone using Apple's iCloud service, as described in "Set Up Your iPhone as New Using iCloud," later in this chapter.

Download, Install, and Set Up iTunes

- 1 On your PC, open the web browser. This example uses the Microsoft Edge browser on Windows 10.
- Click the Address box, type www. apple.com/itunes/download, and then press Enter.

The Download iTunes Now web page appears.

- 3 Click the check boxes (changes to) unless you want to receive e-mail from Apple.
- 4 Click **Download now**.
- 5 When the download finishes, click **Run** in the pop-up panel that appears.

The iTunes installation begins, and the Welcome to iTunes dialog opens.

6 Click **Next**, and then follow the steps of the installer.



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Getting Started with Your iPhone

Note: You must accept the license agreement to install iTunes.

The Installation Options screen appears.

- Click Add iTunes shortcut to my desktop (☑ changes to □) unless you want this shortcut.
- 8 Click Use iTunes as the default player for audio files (☑ changes to □) if you do not want to use iTunes as the default audio player.
- 9 Click Automatically update iTunes and other Apple software (☑ changes to □) if you do not want automatic updates.

10 Click Install.

Note: If the User Account Control dialog opens, make sure that the Program Name is iTunes and the Verified Publisher is Apple Inc. Then click **Yes**.

The Congratulations screen appears.

11 Click Open iTunes after the installer exits (☑ changes to □) if you do not want iTunes to launch automatically when you close the installer.

12 Click Finish.

The installer closes.

Unless you chose not to open iTunes automatically, iTunes opens.

TIPS

Should I allow Apple to install updates automatically on my PC?

If this is your own PC, installing updates automatically is usually helpful. The updates may include fixes to bugs or vulnerabilities, new features, or both.

How do I set up iTunes on a Mac?

If you have not run iTunes already, click **iTunes** (②) on the Dock. If the Dock contains no iTunes icon, click **Launchpad** (③) on the Dock, and then click **iTunes** (③) on the Launchpad screen. The iTunes Setup Assistant launches. Follow the steps to set up iTunes.

🛃 iTunes	\times
Installation Options	
Select folder where iTunes files will be installed and choose installation options.	
 Add i Tunes shortcut to my desktop Use i Tunes as the default player for audio files Automatically update i Tunes and other Apple software 	
Default iTunes language: English (United States)	
C:\Program Files\iTupes\	
< Back Sack Cancel	
🛃 iTunes	\times
Congratulations.	
iTunes has been successfully installed on your computer.	
11 Open i Tunes after the installer exits.	
Click Finish to exit the installer.	
< Back Finish 12 Cancel	

Begin Setup and Activate Your iPhone

Before you can use your iPhone, you must set it up and activate it. First, you choose your language and specify your country or region. You can then either use the Quick Start feature if you have an iPhone or iPad running iOS 11 or continue setup manually. Assuming you continue manually, you connect the iPhone to the Internet through either a Wi-Fi network or the cellular network, choose whether to use Touch ID fingerprint unlocking, and choose a passcode.

Begin Setup and Activate Your iPhone

Note: If you are upgrading from an existing iPhone, see Chapter 12 for instructions on turning off Find My iPhone, backing up the iPhone fully, and resetting it.

- 1 Turn on the iPhone by pressing and holding the Power/Sleep button until the Apple logo appears on-screen.
- 2 When the initial iPhone screen appears, press **Home**. On the iPhone X, swipe up from the bottom of the screen.

The setup routine begins.

The Language screen appears.

3 Tap the language you want to use.

The Select Your Country or Region screen appears.

4 Tap your country or region.

The Quick Start screen appears.

If you have an iPhone or iPad running iOS 11, bring it close to the iPhone and follow the prompts. Otherwise, tap Set Up Manually and follow the remaining steps in this list.



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The Choose a Wi-Fi Network screen appears.

- 6 Tap the wireless network you want to use.
- If your Wi-Fi network does not appear because it does not broadcast its network name, tap Choose Another Network. You can then type the network's name.

Note: If your Wi-Fi network does not appear because it is out of range, tap **Use Cellular Connection**.

The Enter Password screen appears.

Type the password.

8 Tap Join.

The Touch ID screen appears. On an iPhone X, the Face ID screen appears. Follow the prompts to set up Face ID, which enables you to unlock the iPhone X by holding it up to your face. Skip to step **13**.

- **9** Tap **Continue** if you want to use Touch ID.
- B Tap Set Up Touch ID Later if you do not want to set up Touch ID now.

The Place Your Finger screen appears.

Place your finger or thumb on the Home button, following the prompts.

The fingerprint reader scans your finger or thumb and fills in the lines as you lift and replace your finger.



TIP

Should I use Touch ID or Face ID for unlocking my iPhone?

Using Touch ID or Face ID is usually the most convenient way of unlocking an iPhone quickly but securely. As of this writing, only the iPhone X has Face ID. All other current models of iPhone have Touch ID instead.

continued

Begin Setup and Activate Your iPhone (continued)

A fter setting up Touch ID — or Face ID on an iPhone X — and a passcode, you choose how to complete setting up the iPhone. If you have not used an iOS device before, you can set up the iPhone as a new iPhone. If you have used an iOS device, you can restore an iCloud backup or an iTunes backup of that device to the iPhone. If you have been using an Android device, you can use the Move to iOS app to move data to the iPhone.

Begin Setup and Activate Your iPhone (continued)

The Adjust Your Grip screen appears.

Tap Continue.

The Place Your Finger screen appears again, showing a larger fingerprint area.

Continue scanning your fingerprint, now placing the edges of your finger on the Home button.



The Complete screen appears.

13 Tap Continue.

The Create a Passcode screen appears.

- 14 To use a standard passcode, type a six-digit passcode, and then repeat it on the Re-Enter Your Passcode screen.
- C To create a different type of passcode, tap **Passcode Options**.

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The Passcode Options dialog opens.

- Tap Custom Alphanumeric Code, Custom Numeric Code, or 4-Digit Numeric Code, as appropriate, and follow the prompts to create the passcode. See the tip for advice on which type of passcode to create.
- If the This Passcode Can Be Easily Guessed dialog opens, tap Change Passcode and create a stronger passcode.

After you create your passcode, the Apps & Data screen appears.

- 16 Tap the appropriate button:
- Tap Restore from iCloud Backup to set up your iPhone using a backup stored in iCloud. See the section "Set Up Your iPhone from an iCloud Backup," later in this chapter.
- Tap Restore from iTunes Backup to set up your iPhone using a backup stored on your computer. See the section "Set Up Your iPhone from iTunes," later in this chapter.
- G Tap Set Up as New iPhone to set up your iPhone from scratch using iCloud. See the next section, "Set Up Your iPhone as New Using iCloud."
- Tap Move Data from Android to use the Move to iOS app to move data from an Android device.



TIP

Which type of passcode should I create?

The default setting — a six-digit numeric passcode — provides adequate security for most people as long as you avoid the temptation to derive the numbers from your birthdate, which can be easily guessed. If you need stronger security, choose **Custom Numeric Code** and create a passcode of eight or more digits. For the strongest security, choose **Custom Alphanumeric Code** and create a passcode of ten or more characters. Choose **4-Digit Numeric Code** only if your iPhone contains no sensitive or valuable data at all.

Set Up Your iPhone as New Using iCloud

I f you want to use your iPhone without syncing it to your computer, set it up using Apple's iCloud online service. With this approach, you sync your data to your account on iCloud, from which you can access it using other iOS devices, a Mac, or a web browser on any computer.

To set up a new iPhone to use iCloud, follow the instructions in the previous section to begin setup, and then continue with the instructions in this section.

Set Up Your iPhone as New Using iCloud

 Begin setup as explained in the previous section, "Begin Setup and Activate Your iPhone." 2 On the Apps & Data screen, tap Set Up as New iPhone. The Apple ID screen appears. M You can tap Don't have an Apple ID or forgot it? to create a new Apple ID or get a reminder about your existing Apple ID. B You can tap About Apple ID and Privacy to see information about privacy concerns. **3** Tap **Apple ID** and type your Apple ID. C You can quickly enter widely used domains, such as .com and .edu, by tapping and holding. (the period key) and then sliding your finger to the appropriate domain on the pop-up panel. Tap **Password** and type your password. Tap Next. The Apple ID Verification Code dialog opens. 6 Type the verification code sent to your other iOS device or Mac. The Terms and Conditions screen appears. Read the terms and conditions, and tap

Agree if you want to proceed.



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The Express Settings screen appears.

- 8 Tap Continue.
- You can tap Customize Settings to choose settings that control whether apps and services may use your location data and whether your iPhone uploads anonymized usage data to help Apple improve its products.

The Apple Pay screen appears.

- 9 Tap Continue.
- You can tap Set Up Later in Wallet to skip setting up Apple Pay.

The Add Card screen appears.

Point the rear camera lens at your credit card or debit card.

The setup routine recognizes the card details.

- Fou can tap Enter Card Details Manually if the recognition fails or is inaccurate.
- G You can tap Set Up Later in Wallet to skip adding a card.

The Card Details screen appears.

11 Follow the prompts to set up Apple Pay.

The iCloud Keychain screen appears.

- You can tap Don't use iCloud Keychain if you do not want to restore your passwords from iCloud to your iPhone.
- 12 Tap **Continue**, and then follow any prompts to set up iCloud Keychain.



TIP

Why should I use iCloud Keychain?

iCloud Keychain gives you an easy way to store your passwords and credit card information securely on your iPhone, other iOS devices, or Mac. Instead of having to remember the password for each website, or look at a credit card when you need to enter its details, iCloud Keychain can automatically provide the details.

iCloud Keychain encrypts your data, but you must use a complex passcode to keep it secure.

Set Up Your iPhone as New Using iCloud (continued)

When you set up your iPhone using iCloud, use an e-mail address that you intend to keep for the long term. This is especially important if you use the same e-mail address for the Apple ID that you use for the App Store; each app you buy is tied to that e-mail address, so if you change the address, you will need to authenticate again for each app update.

Set Up Your iPhone as New Using iCloud (continued)

The Siri screen appears.

- 13 Tap Continue and follow the prompts to set up Siri's voice recognition.
- You can tap Set Up Later in Settings if you do not want to turn on Siri now.

Note: You can turn Siri on or off at any point after setup.

The "Hey Siri" Is Ready screen appears.

14 Tap Continue.

The App Analytics screen appears.

15 Tap Share with App Developers if you want to share usage statistics and crash data with the developers of the apps you use. Otherwise, tap Don't Share.

The Meet the New Home Button screen appears.

16 Tap Get Started.

You can tap Customize Later in Settings if you do not want to customize the Home button now.

