

My Samsung Galaxy Tab S



My Samsung **Galaxy Tab[®] S**



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que[®]

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My Samsung Galaxy Tab® S

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ISBN-13: 978-0-7897-5519-3

ISBN-10: 0-7897-5519-X

Printed in the United States of America

First Printing: May 2015

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Contents at a Glance

Chapter 1	The Galaxy Tab Universe	3
Chapter 2	Meeting the Galaxy Tab S	17
Chapter 3	Setting Up the Galaxy Tab S	41
Chapter 4	Customizing Android to Your Liking	53
Chapter 5	Adding Widgets to Your Home Screen	73
Chapter 6	Finding Widgets and Using Quick Briefing	91
Chapter 7	Browsing the Web	113
Chapter 8	Sending Email and Instant Messages	129
Chapter 9	Connecting to the Cloud	155
Chapter 10	Using Maps	179
Chapter 11	Capturing and Managing Photos	201
Chapter 12	Playing Music and Video	219
Chapter 13	Reading and Managing Books and Magazines	253
Chapter 14	Using Productivity Apps to Simplify Your Life	281
Chapter 15	Using Apps for Learning, Creating, and Sharing	309
Chapter 16	Finding and Managing Apps	331
Chapter 17	Adding New Hardware	367
Chapter 18	Troubleshooting Your Galaxy Tab S	373
Appendix A	Finding Tab S Accessories	393
Appendix B	Glossary of Terms	397

Table of Contents

1	The Galaxy Tab Universe	3
	First, a Look at Android	3
	The Newest Members: The Galaxy Tab S Family	5
	The Galaxy Tab S 8.4	5
	The Galaxy Tab S 10.5	6
	Comparing the Tab S to Other Tabs	7
	Galaxy Tab 7.0	7
	Galaxy Tab 7.0 Plus	8
	Galaxy Tab 7.7	9
	Galaxy Tab 8.9	9
	Galaxy Tab 10.1	10
	Galaxy Tab 2 7.0 and 10.1	10
	Galaxy Tab 3 7.0, 8.0, and 10.1	11
	Galaxy Tab 4 7.0, 8.0, and 10.1	12
	Galaxy Note and Note Pro	13
	Galaxy Tab Pro	15
2	Meeting the Samsung Galaxy Tab S	17
	Investigating the Galaxy Tab S Unit	19
	Physical Features of the Galaxy Tab S 8.4	19
	Physical Features of the Galaxy Tab S 10.5	22
	The Galaxy Tab S Buttons and Switches	24
	The Three Galaxy Tab S Buttons	25
	The Power Button	26
	Volume Control Buttons	27
	Galaxy Tab S Screens	28
	The Lock Screen (Galaxy Tab S 8.4)	28
	The Lock Screen (Galaxy Tab S 10.5)	29
	The Apps Screen	30
	Manipulating the Screen	32
	Tapping an Element	32
	Pinching	32
	Dragging and Flicking	32
	Screen Rotation and Orientation	33

Interacting with Android	34
Sliders	34
Button Bar	34
Tab Area	34
Using the Keyboard	35
Using Special Keyboards and Characters	36
Copy and Paste Data	38

3 Setting Up the Galaxy Tab S 41

Getting Details About the Galaxy Tab S	42
Setting Up Your Network	44
Set Up Wi-Fi	44
Set Up Bluetooth	47
Set Up a VPN	48
Syncing the Galaxy Tab S	49
Sync Media Files	50

4 Customizing Android to Your Liking 53

Password-Protecting the Galaxy Tab S	53
Changing Your Password	56
Use Your Fingerprint to Access the Galaxy Tab S	58
Set Up Finger Scanner	58
Test the Finger Scanner	60
Change the Screen Lock Type	61
Setting Parental Restrictions	62
Changing the Date and Time	62
Modifying Your Wallpaper	64
Setting Alert Sounds	65
Changing Keyboard and Voice Settings	67
Modifying More Settings	70

5 Adding Widgets to Your Home Screens 73

Accessing the Widgets Screen	73
Taking a Tour of Available Widgets	74
Examine the Page 1 Widgets	75
Examine the Page 2 Widgets	77
Examine the Page 3 Widgets	80
Examine the Page 4 Widgets	82

Adding a Widget to a Home Screen	82
Place a Widget on a Home Screen	83
Move a Widget on a Home Screen	85
Resize a Widget	86
Creating a New Home Screen	88
Removing a Widget	89

6 Finding Widgets and Using Quick Briefing 91

Viewing Default Widgets	92
Find Widgets on the Widgets Pages	93
Using the Widgets	94
Learn What It's Like Outside with the Weather Widget	95
Get Social Network Updates with Flipboard	97
Add Videos to the Video Widget	101
Access Chrome Bookmarks Quickly Using Bookmarks	104
Using the Quick Briefing Home Screen	106
View the Primary Quick Briefing Home Screen	107
View the Secondary Quick Briefing Home Screen	109
Change Quick Briefing Settings and Bookmarks	110

7 Browsing the Web 113

Browsing to a URL	113
Searching the Web	114
Viewing Web Pages	116
Bookmarking Websites	118
Returning to Previously Visited Pages	120
Deleting Bookmarks	122
Delete from the Bookmarks List	122
Delete from the History List	123
Filling in Web Forms	124
Copying Text and Images from Web Pages	126
Copy a Block of Text	126
Copy an Image	127

8 Sending Email and Instant Messages 129

Configuring Email	130
Reading Email	135
Composing a New Message	138
Creating Your Own Signature	140

Deleting Messages	142
Searching Through Email	143
Configuring Email Settings	144
Sending and Receiving Instant Messages	147
Configuring Google Hangouts Settings	149
Reading Email Messages in the Quick Briefing Home Screen	152

9 Connecting to the Cloud 155

Connecting Using Wi-Fi Direct	155
Set Up Wi-Fi Direct	156
Printing Wirelessly	157
Connect a Wi-Fi Printer	157
Connect a Bluetooth Printer	158
Sharing Files	161
Use the Dropbox App	161
Find Other Cloud Services	168
Sharing Music and Video	168
Copy Files with Windows Media Player	169
Connect as a Mass Storage Device	171
Samsung Kies for PCs and Macs	173

10 Using Maps 179

Enabling GPS	180
Getting Around with Maps	180
Find a Location with Maps	180
Get Directions with Maps	184
Specify Locations with Maps	185
Getting Voice-Command Directions	187
Finding Local Information	191
Sharing Locations with Friends	195

11 Capturing and Managing Photos 201

Using the Camera	202
Navigating Image Viewer	207
Tips for Capturing Photos	209
Working with Gallery	210
Manage Photos with Gallery	210
Email Photos from Gallery	214
Creating Screen Captures	217

12	Playing Music and Video	219
	Downloading Movies and TV Shows	219
	Download a TV Show	220
	Play the TV Show	222
	Shop for a Movie	223
	Playing Videos	225
	Play Movies and TV Shows in the Play Movies & TV App	225
	Play Videos in the Video App	226
	Viewing YouTube Videos	229
	Recording Video	233
	Purchasing Music	236
	Playing Songs	241
	Play Music in the Music App	241
	Play Music in the Google Play Music App	243
	Creating Your Own Playlists	245
	Adding a Podcast App	247
13	Reading and Managing Books and Magazines	253
	Using Google Play Books	253
	Browse the Catalog	254
	Purchase a Book	256
	Download and Read a Book	258
	Use Reading Aids	260
	Add Bookmarks, Highlights, and Notes	263
	Organize Your Books	266
	Using Google Play Newsstand	267
	Shop for Magazines	268
	Purchase a Magazine	270
	Subscribe to a Magazine	272
	Read an Issue	273
	Browse and Read Individual Pages	275
	Organize Your Magazines	277
	Shopping for Book and Magazine Readers	277
14	Using Productivity Apps to Simplify Your Life	281
	Staying Up to Date	281
	Choose a Weather Forecast	282
	Track Stocks	284
	Select Your News Settings	286

Managing Contacts	291
Set Up Contacts Accounts	291
Add Contacts	292
Search for Contacts	295
Link Contacts	295
Use Contacts	297
Managing Your Busy Schedule	298
Create Calendar Events	298
Use Calendar Views	301
Add a Task to Your Calendar	306

15 Using Apps for Learning, Creating, and Sharing 309

Staying Up to Date with Google Now	309
Start Google Now for the First Time	310
Use Google Now	311
Connecting to Google+	313
Set Up Google+	313
Use Google+	315
Write a Post	318
Creating Documents and Presentations with	
Hancom Office	320
Start Hancom Office Viewer for the First Time	320
Open and Close a Document	321
Install Hancom Office	323
Open a Document in Hword 2014	325
Access Files from a Cloud Service	326
Create a New Document	328

16 Finding and Managing Apps 331

Accessing Google Apps from the Home Screen	332
Opening Multiple Apps in Multiwindow View	333
Manage Multiple Windows on the Screen	334
Edit Apps in the App Tray	338
Finding Apps from Samsung	339
Set Up the Kids Mode App	340
Shop in the GALAXY Apps Store	343
Getting Apps in the Google Play Store	344
Search for Android Applications	345
Find Great Apps	346

My Samsung Galaxy Tab S

Purchase Android Applications	348
Rate Applications	350
Get Help with Apps	351
Managing Apps Through Your Home Screens	352
Adding Useful Apps	355
Use the Merriam-Webster Dictionary App	356
Use the LinkedIn Pulse RSS Reader	358
Use Note Everything	362

17

Adding New Hardware 367

Bluetooth Keyboards	368
Pairing Bluetooth Devices	368
Pair a Bluetooth Device	369
Using MicroSD Cards	370
Format MicroSD Cards	370

18

Troubleshooting Your Galaxy Tab S 373

Maintaining Your Galaxy Tab S	373
Updating Galaxy Tab S Software	374
Backing Up and Restoring Your Galaxy Tab S	374
Ensure Automatic Google Account Backup	375
Syncing and Using Manual Backup	376
Extending Battery Life	377
Monitor Power Usage	377
Adjust Screen Brightness	378
Utilize Sleep Mode	378
Conserve Power by Turning Off Wi-Fi	379
Conserve Power by Turning Off Bluetooth	380
Conserve Even More Power Using Power Saving Modes	381
Solving Random Galaxy Tab Issues	384
Difficulty Turning Your Tab On or Off	384
Touchscreen Becomes Unresponsive	384
Force Stop an App	385
Battery Does Not Charge	385
Landscape Orientation Does Not Work	386
Troubleshooting Wi-Fi Accessibility Problems	387
Make Sure Wi-Fi Is Activated	387
Check Your Range	388
Reset the Galaxy Tab S Software	388

Getting Technical Help 390

 Contact Your Cellular Provider or Samsung..... 390

 Locate the Tab Model Number 391

A

Finding Galaxy Tab S Accessories 393

Protective Cases 394

Screen Protectors 395

Chargers and Adapters 395

B

Glossary of Terms 397

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Dedication

To my family and friends.
—Eric Butow

Acknowledgments

My thanks as always to my family and friends. I want to thank my awesome literary agent, Carole Jelen, as well as Cindy Teeters, Christian Kenyeres, Joyce Nielsen, Todd Brakke, Greg Wiegand, and especially Michelle Newcomb. I'd also like to thank everyone who gave me permission to use their information, particularly the parents of my mother's daycare children for letting me take their pictures for the book.

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Review the different versions of Android

Meet the newest members of the Galaxy Tab family: the Galaxy Tab S 8.4 and 10.5

Learn how the Galaxy Tab S compares to other Galaxy Tab models

In this chapter, you're introduced to the different versions of Android and the different models of the Galaxy Tab, including the Galaxy Tab S. Topics in this chapter include the following:

- The different versions of the Android operating system
- The two models of the Galaxy Tab S
- A comparison of Galaxy Tab S and other models in the Galaxy Tab family

1

The Galaxy Tab Universe

If you're brand new to the Galaxy Tab S, start with this chapter so you can learn more about your new tablet and also learn more about the Android operating system that the Galaxy Tab S uses. If you want to get started right away, proceed to Chapter 2, "Meeting the Samsung Galaxy Tab S."

First, a Look at Android

The Galaxy Tab S runs the Android operating system, which is produced and maintained by Google. As of this writing, the latest IDC report that tracked mobile operating system marketing share stated that in the fourth quarter of 2014, Android commanded 77% market share, well above the second-place operating system, iOS, which is used on iPhones and iPads (<http://www.idc.com/prodserv/smartphone-os-market-share.jsp>). As of February 2015, Samsung owned 15% of worldwide tablet market share, which is second only to Apple's 28% (<http://www.idc.com/getdoc.jsp?containerId=prUS25409815>).

Several versions of Android are currently available that run on various smartphones and tablets. Each version is best known by the nickname Google has given it. Since version 1.5, Google has given

the name of a sweet treat to every new version; version 1.5 was known as Cupcake. (There were two previous versions before Cupcake that didn't have a nickname, so Google decided to give the third release of Android a nickname starting with the third letter of the alphabet.)

Galaxy Tab models run one of the following Android versions:

- Version 2.2, or Froyo (short for frozen yogurt), runs on the original Galaxy Tab 7.0. You can learn more about using Froyo on the Galaxy Tab 7.0 in Que's 2011 book *My Samsung Galaxy Tab* (ISBN 978-0-7897-4797-6).
- Version 2.3, Gingerbread, was the most widely used version of Android as of early July 2012. In addition to including user interface improvements, Gingerbread was designed for use on extra-large screen resolutions and provided improved network performance.
- Version 3, Honeycomb, was the first version optimized for use with tablets. It included more user interface improvements, support for video chat using Google Talk, and the ability to encrypt all user data.
- Version 4, Ice Cream Sandwich, included more improvements to the user interface, improved features (such as real-time speech-to-text dictation) and new apps (such as a photo editor). You can learn more about using Ice Cream Sandwich on the Galaxy Tab 2 in Que's 2013 book *My Samsung Galaxy Tab 2* (ISBN 978-0-7897-5038-9).
- Version 4.1, Jelly Bean, includes a new interface layout for tablets with smaller screens (such as the Galaxy Tab 3 7.0), Google Chrome as the new web browser, and the Google Now personalized search app. This version of Jelly Bean was the most widely used version of Android as of early June 2014 (<http://developer.android.com/about/dashboards/index.html>).
- Version 4.2, which is also called Jelly Bean, includes everything in Version 4.1 as well as the ability to place widgets on your Lock screen, a redesigned Camera app, and a Gesture Keyboard that predicts what you're trying to type as you glide your fingers over the keys. You can learn more about using Android 4.2 Jelly Bean on the Galaxy Tab 3 in Que's 2014 book *My Samsung Galaxy Tab 3* (ISBN 978-0-7897-5193-5).
- Version 4.3, which Google decided to also call Jelly Bean, includes a new camera user interface, support for 4K resolution video, support for five more languages, and a restricted access mode for new user profiles.

- Version 4.4, KitKat (named for one of Google employees' favorite chocolate candy bars), includes an updated interface, the ability to print wirelessly, and a built-in screen-recording feature. You can learn more about using KitKat on the Galaxy Tab 4 in Que's 2014 book *My Samsung Galaxy Tab 4* (ISBN 978-0-7897-5384-7).
- Version 5.0, Lollipop, includes an updated user interface, a revamped notification system, a fingerprint scanner, and a priority mode that allows you to filter calls and texts. The text and screenshots in this book are based on the latest version of Lollipop for the Tab S (as of this writing), which is Version 5.0.

You find out more about the versions each Galaxy Tab model uses later in this chapter.

The Newest Members: The Galaxy Tab S Family

Before getting into all the Galaxy Tab models Samsung offers, it's important to talk about the subject of this book and the two newest additions to the Galaxy Tab family: the Galaxy Tab S 8.4 and 10.5. Both models were released at the same time, run Lollipop, and play the latest audio and video files. However, each model has differences you should know about.

The Galaxy Tab S 8.4

The Galaxy Tab S 8.4 has an 8.4" screen, which explains how it got its name. The Tab S 8.4 only comes with 16GB of total data storage, but it does contain a microSD slot that can bring your total storage capacity to 128GB. The Tab S 8.4 also includes the following features:

- Wi-Fi connectivity
- 1600x2560-pixel screen resolution
- 2.1 megapixel front camera
- 8.0 megapixel rear camera
- 10.37 ounces (0.65 pound) total weight
- A 4,900mAh battery

What Does mAh Stand For?

A milliampere-hour, better known by the acronym mAh, denotes the battery power capacity. A higher number indicates more capacity and thus longer battery life. However, the amount of time you can run the Tab S on a single battery charge is determined by the apps you run. For example, playing video takes up more battery power than checking your email messages.



If you prefer to hold a tablet in one hand comfortably but you also want more screen space than a smartphone, consider the Tab S 8.4. Unlike some of the e-readers out there (such as Amazon's Kindle), the Tab S 8.4 comes with the full version of KitKat as well as the Kindle app.

The Galaxy Tab S 10.5

The Galaxy Tab S 10.5 is so named because of its 10.5" screen, which is one of the largest screens you can find on a tablet. The Tab S 10.5 also includes the following:

- Wi-Fi connectivity
- 16GB of data storage with a microSD slot that can bring total storage to 128GB
- 2560x1600-pixel screen resolution
- 2.1 megapixel front camera

- 8.0 megapixel rear camera
- 16.4 ounces (1.03 pound) total weight
- A 7,900mAh battery



You can hold the Galaxy Tab S 10.1 in one hand, but it's usually safer to hold it with both hands. If you want to have the most screen space available so you can use it for tasks that you've previously done on your laptop (such as taking notes or watching movies), then the Tab S 10.5 might be the right tablet for you.

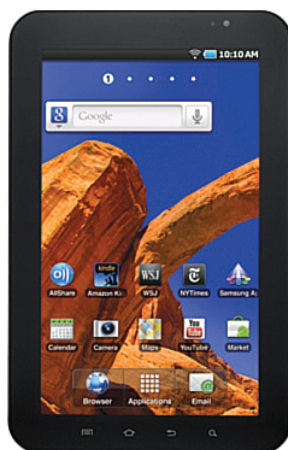
If you want to learn more about each Tab S model and the differences between them, skip ahead to Chapter 2.

Comparing the Tab S to Other Tabs

There are now a total of 10 different Galaxy Tabs, including the Tab S family. What's more, the Galaxy Note that's included in this discussion is a smartphone/tablet hybrid.

Galaxy Tab 7.0

This is the original Galaxy Tab that Samsung produced. The Tab 7.0 was originally positioned as a smaller alternative to the iPad, which came in only one size at the time the Tab 7.0 was first released. Samsung decided that their Tab models would run various versions of Google's Android mobile operating system so that the Tab would be compatible with Android phones, just as the iPad is compatible with the iPhone. The Tab 7.0 runs Froyo.



Galaxy Tab 7.0 Plus

The Tab 7.0 Plus is a sleeker version of the original Tab 7.0 that runs Honeycomb and has some more hardware and software features than the original Tab. Therefore, the Tab 7.0 Plus doesn't have the buttons below the screen like the original Tab 7.0 or the Galaxy Note. Instead, the Tab 7.0 Plus works like its larger siblings, the Tab 8.9 and Tab 10.1. The Tab 7.0 Plus is only offered by T-Mobile or as a Wi-Fi model. If you choose the Wi-Fi model, there are several different online vendors that sell it.



Galaxy Tab 7.7

The Tab 7.7 is not only a bit larger than the 7.0 models but it also boasts some interesting features. The screen is based on AMOLED technology with a 1200x800-pixel resolution. (AMOLED stands for active-matrix organic light-emitting diode.) The Tab 7.7 includes a more powerful battery (5,100mAh compared to 4,000mAh on the 7.0 Plus) that results in longer usage times on a single charge. And unlike previous Tab models, you can make and receive voice calls with the Tab 7.7.



Galaxy Tab 8.9

The Galaxy Tab 8.9 not only has a larger screen and a larger footprint, it also has a 1280x800-pixel screen. Like the 7.0 Plus, 7.7, and 10.1 models, the 8.9 runs Honeycomb. The Tab 8.9 is only offered by AT&T with 16GB of memory, although you can also buy a 16GB or 32GB Wi-Fi model from several online vendors.



Galaxy Tab 10.1

Like the Tab 8.9, the Tab 10.1 includes a screen that has 1280x800-pixel resolution and a screen size of 10.1". This screen is not only larger than the iPad 2 screen but also has greater resolution. The battery (7,000mAh) provides 9 hours of usage on a single charge.

As with the Tab 8.9, you can buy a Tab 10.1 with 16GB or 32GB of memory. The Tab 10.1 is offered by Verizon and T-Mobile but comes in a Wi-Fi model as well.



Galaxy Tab 2 7.0 and 10.1

The Galaxy Tab 2 was the successor to the original Tab family. However, just as with the Tab 7.0, the Tab 2 7.0 and 10.1 models are still available on the Samsung website (www.samsung.com) if you want to purchase them. The Tab 2 7.0 is so named because of its 7" screen, and you can purchase the unit from Verizon or in a Wi-Fi version.



The Tab 2 10.1 is so named because of its 10.1" screen. You can purchase the Tab 2 10.1 in a Wi-Fi version and also from a variety of carriers, including AT&T, Verizon, Sprint, and T-Mobile.

You can get more information about the Tab 2 series on the Samsung website and in the Que book *My Samsung Galaxy Tab 2* (ISBN: 978-0-7897-5038-9).

Galaxy Tab 3 7.0, 8.0, and 10.1

The Galaxy Tab 3 was the successor to the Tab 2 family. However, just as with the Tab 2 7.0 and 10.1 models, you can purchase the Tab 3 7.0, 8.0, and 10.1 models on the Samsung website (www.samsung.com).

The Tab 3 7.0 is so named because of its 7" screen, and you can purchase the unit from Verizon, Sprint, T-Mobile, or AT&T; you can also purchase a Wi-Fi version. What's more, you can even purchase a Tab 3 7.0 in a Kids version that has a kid-friendly interface, parental controls, and an optional stylus.



The Tab 3 8.0 is so named because it has an 8.0" screen. You can only purchase this version of the Tab 3 in a Wi-Fi version.

The Tab 3 10.1 is so named because of its 10.1" screen. You can purchase the Tab 3 10.1 only in a Wi-Fi version.

You can get more information about the Tab 3 series on the Samsung website and in the Que book *My Samsung Galaxy Tab 3* (ISBN: 978-0-7897-5193-5).

Galaxy Tab 4 7.0, 8.0, and 10.1

The Galaxy Tab 4 was the successor to the Tab 3 family. However, just as with the Tab 3, you can purchase the Tab 4 7.0, 8.0, and 10.1 models on the Samsung website (www.samsung.com).

The Tab 4 7.0 is so named because of its 7" screen. You can purchase the unit from Sprint or purchase a Wi-Fi version. What's more, you can purchase a Tab 4 7.0 NOOK that's specially designed to work with the Barnes & Noble NOOK ebook reader app.



The Tab 4 8.0 is so named because it has an 8.0" screen. You can purchase the Tab 4 8.0 from T-Mobile or AT&T; you can also purchase this model in a Wi-Fi version.

The Tab 3 10.1 is so named because of its 10.1" screen. You can purchase the Tab 3 10.1 from T-Mobile or AT&T; you can also purchase this model in a Wi-Fi version.

You can get more information about the Tab 4 series on the Samsung website and in the Que book *My Samsung Galaxy Tab 4* (ISBN 978-0-7897-5384-7).

Galaxy Note and Note Pro

In late 2011 and early 2012, Samsung released the 5.3" version of its Galaxy Note "phablet," which is a device that's larger than a phone but smaller than a tablet and has features of each. For example, the Note has buttons below the screen as the Tab 7.0 does because the Note runs Gingerbread. The Note comes with a stylus called an S Pen so you can manipulate screen elements, handwrite notes, and draw on apps created for use with the Note.

Samsung subsequently created the Note 8.0 and 10.1 models to replace the original Galaxy Note, but both new models still come with the S Pen. These new Note models are also available in 4G LTE versions from a variety of carriers, and the Android operating system version varies from model to model. For example, the AT&T version of the Note 8.0 runs Android 4.4 (KitKat) but the Wi-Fi version runs Android 4.1 (Jelly Bean).

In early 2014, Samsung released the Galaxy Note Pro 12.2 model that's sold alongside the Note 8.0 and 10.1 models. The Note Pro 12.2 has a 12.2" screen (hence the name of the device) with 2560x1600-pixel resolution, up to 64GB of memory, and an 8 megapixel rear camera in addition to the standard S Pen. The Note Pro 12.2 also runs Android 4.4 (KitKat) and is available in a Wi-Fi-only version as well in 4G LTE versions from AT&T and Verizon.



Galaxy Tab Pro

Samsung introduced the Tab Pro series early in 2014, and it has the same specs as the Note Pro with the exception that the Tab Pro doesn't include the S Pen. The Tab Pro comes in a 12.2" screen version as the Note Pro does, and the Tab Pro also comes in 8.4" and 10.1" screen versions.



Choosing from all these models can be confusing or overwhelming, but you can't say that Samsung doesn't have an offering for nearly every potential tablet user. You can learn more about the Galaxy Tab and Note families and get updated information by visiting Samsung's website (www.samsung.com).



See the differences between the Galaxy Tab S 8.4 and the Galaxy Tab S 10.5

Understand how to manipulate the screen

Learn how to interact with Android

In this chapter, you discover the different hardware and the common screens on the Galaxy Tab S. Topics covered in this chapter include the following:

- Features on the front, back, and sides of the unit
- Galaxy Tab S icons for manipulating the screen
- Three important screens you need to know
- Gestures for manipulating the Galaxy Tab S screen
- Configuring email settings
- Screen elements for interacting with Android

2

Meeting the Samsung Galaxy Tab S

This book covers the two models of the Galaxy Tab S: the 8.4" Tab and the larger 10.5" version.

**Galaxy Tab S 8.4**

The 8.4" unit, called the Galaxy Tab S 8.4, runs version 5.0 of Google's Android operating system, also called Lollipop.

**Galaxy
Tab S 10.5**

The 10.5" unit, called the Galaxy Tab S 10.5, also runs Lollipop. Both models connect to the Internet or a network using a Wi-Fi connection. If you purchased either model from AT&T, T-Mobile, or Verizon, you can also connect using the carrier's 4G LTE connection.

Many tasks throughout the book include information for one model or the other, and if there are any differences between the models, then there are separate tasks for each. In this case, the headers for each section (or subsection) indicate the model name, such as Galaxy Tab S 10.5. If you don't see the model specified in the section (or subsection) name, the information applies to both models.

Investigating the Galaxy Tab S Unit

Before you work with your Galaxy Tab S, it's important to take it out of the box and examine it so you can learn where all the controls and features are on the unit. If you've used (or tried) another tablet computer in the past, you might already be familiar with some of the features. If this is your first time using a tablet computer or the Galaxy Tab S, though, take the time to read this chapter and enjoy learning about it.

It's Not All Good

Why Do the Galaxy Tab Units Look Different Between Photos?

Both Galaxy Tab S models come in two colors: Dazzling White and Titanium Bronze. The two different colors of both models appear in photos throughout this book. Some screens might also look different because of app updates or the screen orientation.

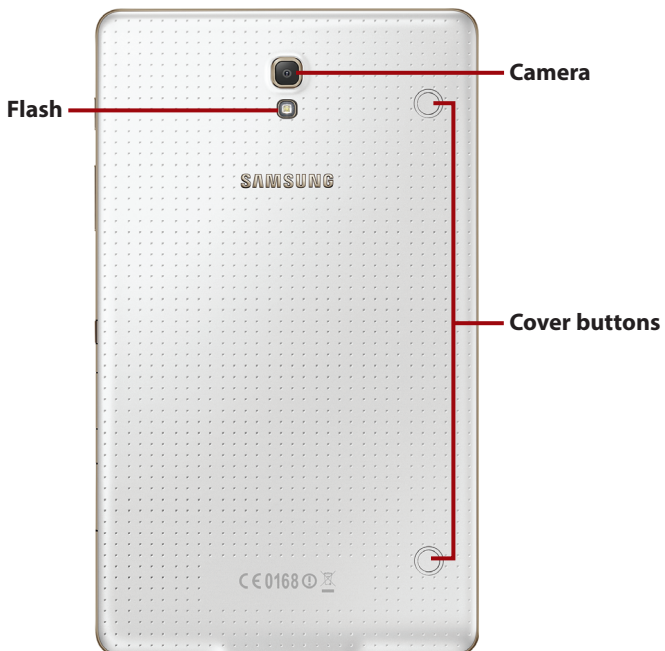
Physical Features of the Galaxy Tab S 8.4

The front of the Galaxy Tab S 8.4 includes the AMOLED touchscreen for viewing information, a proximity and gesture sensor that can see when someone is near the unit, as well as a camera so you can take photos or record video of yourself.

You learn more about using the cameras to take photos in Chapter 11, "Capturing and Managing Photos," and how to record video in Chapter 12, "Playing Music and Video."

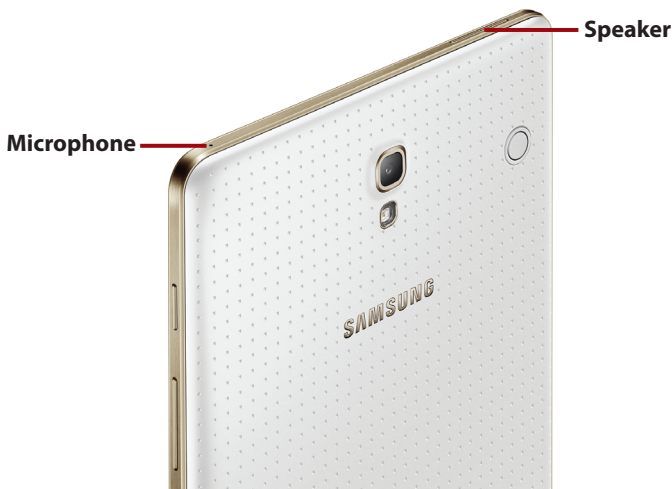
The back of the unit has two features:

- A second camera that includes a flash so you can take photos and record video using your Galaxy Tab S.
- Two buttons on the right side that push in so you can attach a cover for your Tab S. You can shop for covers on the Samsung website at www.samsung.com.

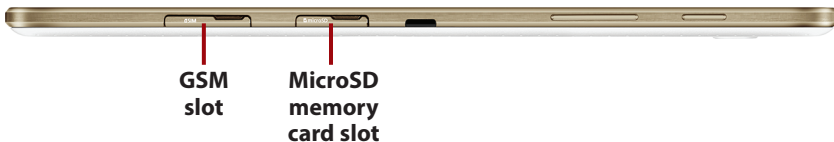


There are three buttons below the touchscreen included on both the Galaxy Tab S 8.4 and the Galaxy Tab S 10.5. These buttons are covered later in the chapter, in the section titled “The Galaxy Tab S Buttons and Switches.” Aside from those three buttons, the Galaxy Tab S 8.4 contains a number of features on the sides of the unit:

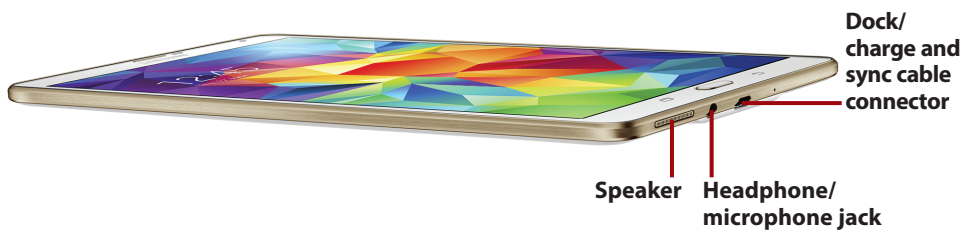
- A microphone on the top side of the unit so you can record audio on the Tab S without having to use a separate microphone.
- One audio speaker that is also on the top side of the unit.



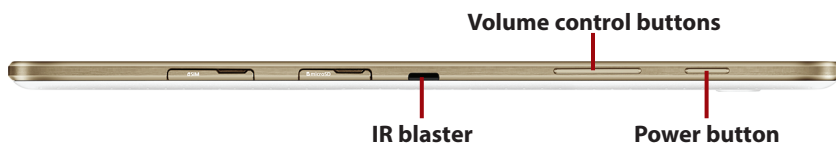
- A MicroSD memory card slot on the right side of the unit.
- A GSM slot on the right side of the unit for your data carrier's SIM card. Note that if you have the Wi-Fi Tab S, this slot does not exist.



- One audio speaker on the bottom side of the unit.
- A headphone and microphone jack on the bottom side of the unit so you can either listen to audio privately or record audio into a microphone.
- A dock/charge and sync cable connector that is also on the bottom side of the unit. You learn more about docking, charging, and syncing your Galaxy Tab S in Chapter 3, “Setting Up the Galaxy Tab S.”



- The Power button on the right side of the unit.
- The volume control buttons, also on the right side of the unit.
- An infrared (IR) blaster, also on the right side of the unit. The IR blaster controls a device that accepts infrared commands from a remote device such as your television or your cable box.



Physical Features of the Galaxy Tab S 10.5

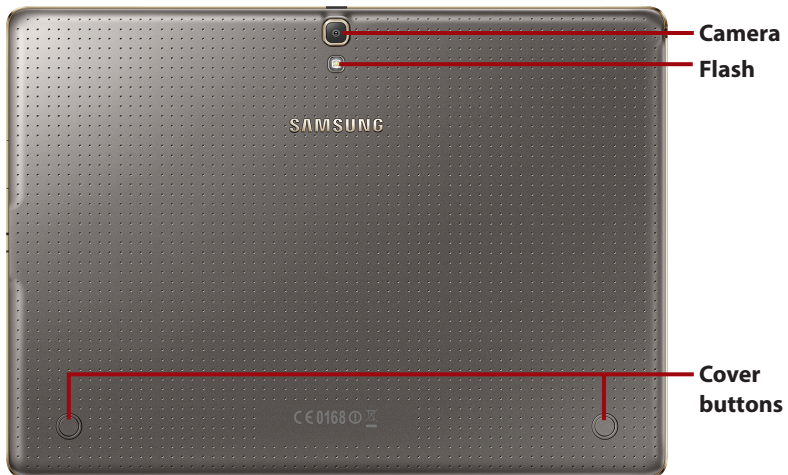
The front of the Galaxy Tab S 10.5 includes the AMOLED touchscreen for viewing information, a proximity and gesture sensor that can see when someone is near the unit, and a camera so you can take photos or record video of yourself.

You learn more about using the cameras to take photos in Chapter 11 and to record video in Chapter 12.



The back of the unit has two features:

- A second camera that includes a flash so you can take photos and record video using your Galaxy Tab S.
- Two buttons, one each on the bottom-left and -right sides, that push in so you can attach a cover for your Tab S. You can shop for covers on the Samsung website at www.samsung.com.



There are three buttons below the touchscreen included on both the Galaxy Tab S 8.4 and the Galaxy Tab S 10.5. Those buttons are covered later in the chapter, in the section titled “The Galaxy Tab S Buttons and Switches.” Aside from those three buttons, the Galaxy Tab S 10.5 contains a number of features on the sides of the unit:

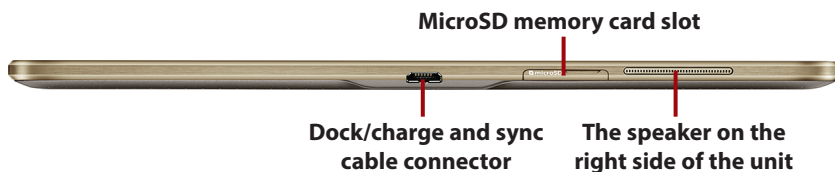
- A headphone and microphone jack on the left side of the unit so you can either listen to audio privately or record audio into a microphone.

The speaker on the left side of the unit



Headphone/microphone jack

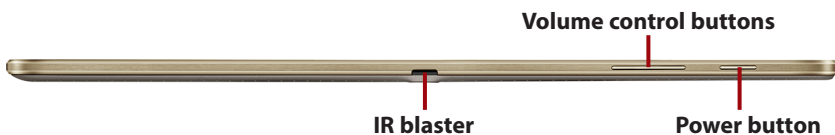
- The audio speakers on the left and right sides of the unit. The speaker on the left side of the unit appears below the headphone and microphone jack.
- A MicroSD memory card slot on the right side of the unit.
- A dock/charge and sync cable connector that is also on the right side of the unit. You learn more about docking, charging, and syncing your Galaxy Tab S in Chapter 3.



- A microphone on the bottom of the unit so you can record audio on the Tab S without having to use a separate microphone.



- The Power button on the top of the unit.
- The volume control buttons on the top of the unit.
- An IR blaster at the top of the unit. The IR blaster controls a device that accepts infrared commands from a remote device such as your television or your cable box.



The Galaxy Tab S Buttons and Switches

Both models of the Galaxy Tab S feature two touch buttons on either side of a physical Home button. All three are below the touchscreen. The Power button and volume control buttons are on one side of the unit.

Setting Up Your Galaxy Tab S

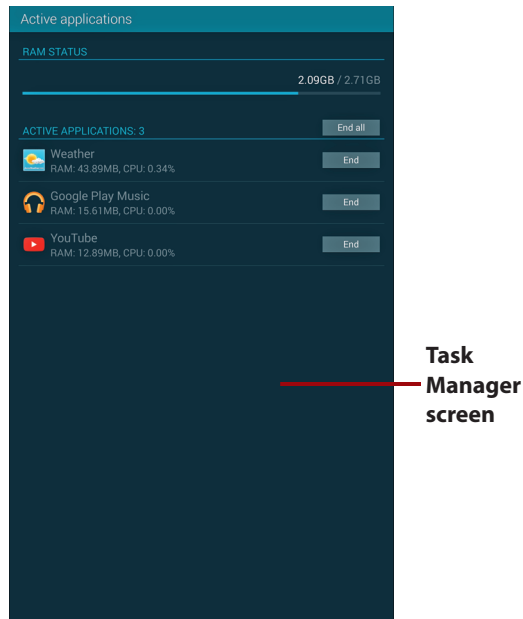
When you start your Galaxy Tab S for the first time, you go through a series of steps to get your Tab S up and running, including setting up your wireless connection. This book presumes that you have already set up your Tab S using the documentation that came in your Tab S box. If you need help with setting up a Wi-Fi network, you can find that information in Chapter 3.

The Three Galaxy Tab S Buttons

Below the touchscreen are three buttons that you use frequently to manage the device and the applications on it. They are (from left to right) Recent, Home, and Back.



- **Recent**—The Recent touch button opens the Recent Apps window at the bottom of the screen and displays a list of apps that are open currently. Show an open app on the entire screen by tapping the app's thumbnail image in the list. Close the menu by tapping the Recent touch button again.
- **Home**—The fact that the Home button is a physical button signifies its place of importance with regards to how the Tab S functions. It's probably the button you will use most often because it's the one you press to get out of a specific application, such as the Galaxy Tab S web browser, and move back to the Home screen so you can open another application. If you want to hide an application and go back to the Home screen, pressing the Home button is the way to go. Pressing the Home button hides the application you currently have open.
- **Back**—The Back touch button moves you back to the previous screen. For example, if you're on the Home screen and touch the Apps icon at the bottom right of the screen to bring up the Apps screen, you might decide that you don't want to open an app. You can close the Apps screen by tapping the Back touch button.



What About the Task Manager?

The first two models of the Galaxy Tab had a separate Task Manager icon on the screen. On the Tab S, you access the Task Manager screen by tapping the Recent Apps touch button and then tapping Task Manager at the bottom of the Recent Apps window.

The Power Button

The Power button performs a number of important functions on your Galaxy Tab S:

- It turns on the unit when you press the button. The Power button is on the right side of the Galaxy Tab S 8.4 unit and on the top of the Galaxy Tab S 10.5 unit. The Galaxy Tab S boots up and is ready for you to use in about five seconds.
- If you press and hold the button for about one second, you see the Device Options window on the screen that allows you to power the device off, put the device into Airplane Mode so Wi-Fi connectivity is turned off temporarily, or restart the device.
- If you press the button and immediately release your finger, the screen turns off and the Galaxy Tab S enters sleep mode.

**Power button on the Galaxy Tab S 8.4****Power button on the Galaxy Tab S 10.5**

What Happens If I Don't Turn Off the Galaxy Tab S?

If the Galaxy Tab S is idle for a long period of time, the unit goes into sleep mode automatically. Sleep mode drains very little battery power, so if the Galaxy Tab S is frequently in sleep mode, you don't need to recharge your battery as often. Refer to Chapter 18, "Troubleshooting Your Galaxy Tab S," for information about expected battery life and strategies for extending that lifespan.

Volume Control Buttons

There are two volume control buttons on the left side of the device—one that turns up the volume and one that turns down the volume. What device the buttons control depends on what you have connected to the Galaxy Tab S.

**Volume control buttons on the Galaxy Tab S 8.4****Volume control buttons on the Galaxy Tab S 10.5**

If you're listening to audio through the Galaxy Tab S speakers, the unit remembers the volume settings for the external speakers and sets the volume accordingly. If you decide to connect headphones to the unit, the Galaxy Tab S adjusts to the headphone volume the unit has in memory. When you remove the headphones, the unit readjusts the volume to the speaker volume.

You might want to check your volume settings for your headphones and external speakers so you don't get any nasty surprises. You learn more about setting the volume in Chapter 3.

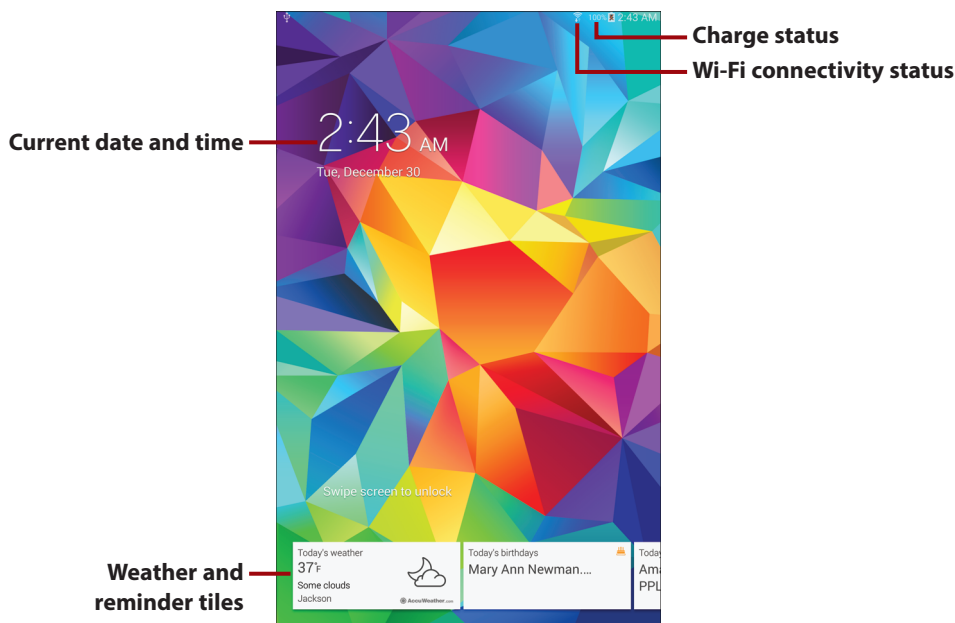
Galaxy Tab S Screens

Three important screens are the mainstays of your Galaxy Tab S experience no matter which Galaxy Tab S model you use.

The Lock Screen (Galaxy Tab S 8.4)

The lock screen is the default state of the Galaxy Tab S when it first boots.

The lock screen shows the current date and time as well as the Wi-Fi connectivity status and battery charge status in the upper-right corner. It might also include the Smart Stay feature icon (it looks like an eye), which indicates that this feature is on. The lock screen also includes tiles at the bottom of the screen with the current weather conditions and upcoming reminders such as birthdays and appointments.



All you have to do to unlock your Tab S is to hold your finger anywhere on the screen, and then swipe in any direction. If you've set up the Finger Scanner, place your fingertip on the Finger Scanner area at the bottom of the screen and swipe down so the Tab S can read your fingerprint. If your Tab S is password-protected, you need to type your password in the password box. You learn more about password-protecting your Galaxy Tab S and using the Finger Scanner in Chapter 4, "Customizing Android to Your Liking."