

Samsung GALAXY Note[®] | PRO

A N D R O I D T A B L E T

User Manual

**Please read this manual before operating your
device and keep it for future reference.**



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Samsung Electronics America (SEA), Inc

Address: 85 Challenger Road
Ridgefield Park,
New Jersey
07660

**Toll Free
Telephone:** 1-800-SAMSUNG

**Internet
Address:** <http://www.samsung.com>

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Table of Contents

Section 1: Getting Started6

Understanding This User Manual	6
Battery	7
Turning Your Device On and Off	9
Setting Up Your Tablet	9
Memory Card	10
Galaxy Tab Accessories	10
Securing Your Device	10
Holding the Device	11
Troubleshooting	11

Section 2: Understanding Your Device12

Features	12
Front and Sides	13
Back, Top, and Bottom	14
Home Screen	15
Screen Rotation	18
Navigating Your Device	19
Using the Touch Screen	19
S Pen	25
Multi Window	29
Notifications	32

Status Bar	33
Folders	36
Wallpapers	36
Apps Screen	37
My Magazine	38
Task Manager	40
Screen Capture	40
Help	40
Entering Text	41

Section 3: Accounts and Contacts43

Accounts	43
Your Google Account	44
Your Samsung Account	44
Contacts	44
Groups	48
Favorites	50

Section 4: Messaging51

Types of Messages	51
Email	51
Gmail	54
Hangouts	55

Google+	56	Accessing Applications	95
Twitter	56	Application Folders	96
Section 5: Multimedia	57	Action Memo	96
Listening to Music	57	Alarm	97
Play Music	57	Bloomberg Businessweek+	97
Music Player	58	Calculator	98
Flipboard	64	Calendar	98
SketchBook for Galaxy	65	Camera	99
WatchON	66	Chrome	100
Section 6: Camera and Video	67	Contacts	100
Camera	67	Downloads	100
Gallery	75	Drive	100
Video	78	Dropbox	101
YouTube	80	e-Meeting	101
Section 7: Connections	81	Email	101
Wi-Fi	81	Evernote	101
Bluetooth	85	Flipboard	101
Managing Downloads	91	Gallery	101
Samsung Kies	92	Gmail	102
Synchronizing with Windows Media Player	92	Google	102
Connecting as a Mass Storage Device	93	Google Settings	102
Section 8: Applications	94	Google+	102
Updating Applications	94	Hancom Viewer	102
GPS Applications	94	Hangouts	103

Help	103
Internet	103
KNOX	106
Maps	106
Music	106
My Files	106
Netflix	108
NYTimes	108
Photos	108
Play Books	109
Play Games	109
Play Movies & TV	109
Play Music	109
Play Newsstand	110
Play Store	110
Remote PC	112
S Note	112
S Voice	115
Samsung Apps	116
Samsung Hub	117
Scrapbook	118
Screen Saver	119
Settings	119
SideSync 3.0	119

SketchBook for Galaxy	119
Twitter	120
Video	120
Voice Search	120
WatchON	120
WebEx	120
World Clock	121
YouTube	121
Section 9: Settings	122
About Settings	122
Connections	123
Wi-Fi	123
Bluetooth	123
Airplane Mode	124
Data Usage	124
Location	125
More Networks	126
Nearby Devices	128
Screen Mirroring	129
Device	129
Sound	129
Display	132
Multi Window	133
Lock Screen	133

Wallpaper	137
Font	137
Notification Panel	137
Accessibility	138
Blocking Mode	141
Controls	141
Language and Input	141
Voice Control	145
S Pen	146
Motions	147
Palm Motion	147
Smart Screen	148
General	148
Accounts	148
Cloud	150
Backup and Reset	151
Date and Time	152
Accessory	152
Application Manager	153
Default Applications	155
Users	155
Battery	157
Power Saving Mode	157
Storage	158

Security	160
About Device	164
Section 10: Health and Safety	
Information	166
Exposure to Radio Frequency (RF) Signals ..	166
Specific Absorption Rate (SAR) Certification Information	171
FCC Part 15 Information to User	173
Commercial Mobile Alerting System (CMAS) .	173
Smart Practices While Driving	173
Battery Use and Safety	175
Samsung Mobile Products and Recycling ...	176
UL Certified Travel Charger	177
Display / Touch-Screen	177
GPS	178
Care and Maintenance	179
Responsible Listening	180
Operating Environment	182
Restricting Children's Access to Your Mobile Device	184
FCC Notice and Cautions	184
Other Important Safety Information	184

Section 11: Warranty Information	187
Standard Limited Warranty	187
End User License Agreement for Software . . .	192
Index	200

Section 1: Getting Started

This section helps you to quickly start using your device.

Understanding This User Manual

The sections of this manual generally follow the features of your device. A robust index for features begins on page 200.

Also included is important safety information, beginning on page 166, that you should know before using your device.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from a Home screen. To get to a Home screen, you may need to unlock the device. For more information, refer to “*Securing Your Device*” on page 10.

Note: Instructions in this manual are based on default settings and may vary from your device depending on the software version on your device and any changes to the device’s settings.

Note: Unless stated otherwise, instructions in this user manual start with the device unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary depending on the software version of your device and any changes to the device’s settings.

Special Text

In this manual, some text is set apart from the rest. This special text is intended to point out important information, share quick methods for activating features, define terms, and more. The definitions for these methods are as follows:

- **Notes:** Presents alternative options for the current feature, menu, or sub-menu.
- **Tips:** Provides quick or innovative methods or useful shortcuts.
- **Important:** Points out important information about the current feature that could affect performance.

- **Warning:** Brings important information to your attention that can help to prevent loss of data or functionality or damage to your device.

Text Conventions

This manual provides condensed information about how to use your device. To make this possible, the following text conventions are used to represent often-used steps:

- Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures.

For example:

From a Home screen, touch  **Apps** →  **Settings**
→ **Connections** tab → **Wi-Fi**.

OFF/ON This button enables/disables a feature or turns a setting on or off.

-  indicates that the feature is **OFF**.
-  indicates that the feature is **ON**.

For example:

Touch the **OFF/ON** button to turn Bluetooth ON 
or OFF .

Battery

Your device is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) are included with the device for charging the battery.

Warning! Use only approved charging devices. Approved accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Battery Indicator

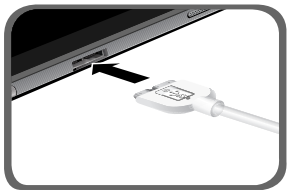
The Battery icon  in the Status Bar shows the battery power level. When battery power is 15% or less, your device prompts you to charge the battery. If you continue to operate the device without charging, the device powers off. For battery use information, see “About Device” on page 164.

Charging the Battery

Your device comes with a Wall/USB Charger (Charging Head, and USB cable) to charge your device from any standard AC power outlet.

Note: The battery comes partially charged. You must fully charge the battery before using your device for the first time. After the first charge, you can use the device while charging.

1. Plug the flat end of the USB 3.0 Travel Charger into the Charger/Accessory Port.



2. Insert the USB 3.0 cable into the Charging Head.



3. Plug the Charging Head into a standard AC wall outlet.

Warning! While the device is charging, if the touch screen does not function due to an unstable power supply, unplug the USB power adapter from the power outlet or unplug the USB cable from the device.

4. When charging is complete, unplug the Charging Head from the power outlet and remove the USB cable from the device.

Note: If you are using the older style USB 2.0 Travel Charger to charge your battery, plug the flat end of the Travel Charger into the port on the **right side** of the Charger/Accessory Port.

Note: You cannot charge the battery using the USB cable and your PC.

Note: If the battery is completely discharged, you cannot turn on the device, even with the USB power adapter connected. Allow a depleted battery to charge for a few minutes before you try to turn on the device.

Turning Your Device On and Off

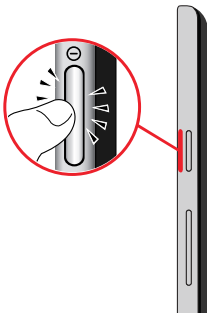
Turning Your Device On

- Press and hold the **Power/Lock Key**.

For more information, refer to “Unlocking the Device” on page 11.

Turning Your Device Off

1. Press and hold the **Power/Lock Key**.
2. On the *Device options* menu, touch **Power off**.



Setting Up Your Tablet

The first time you turn your device on, the Setup Wizard will guide you through the basics of setting up your device.

Follow the prompts to choose a default language, set up accounts, choose location services, and learn more about your device.

Touch **Skip** to skip some screens, or touch **Back** to re-display them.

Note: If your screen dims or turns off, press the Power/Lock key to continue.

Memory Card

Your device supports removable microSD or microSDHC memory cards with maximum capacities of 64 GB (depending on the memory card manufacturer and type). Memory cards are used to store music, photos, videos, and other files.

Installing a Memory Card

1. Open the memory card slot cover and turn to expose the slot.
2. With the gold contacts facing down, carefully slide the memory card into the slot, pushing gently until it clicks into place.



3. Close the Memory Card Slot cover.

Galaxy Tab Accessories

To find accessories for your Galaxy Tab:

1. Go to samsung.com/us/mobile/galaxy-tab-accessories.
2. Use your model number to find compatible accessories.

Securing Your Device

By default, the device locks automatically when the screen times out or you can lock it manually.

Unlock the tablet by swiping your finger across the screen. This is the default Screen lock (Swipe), and offers no security.

Prevent others from using or accessing personal data and information stored in the device by using a secure Screen Lock.

For more information about creating and enabling a secure Screen Lock, see “*Lock Screen*” on page 133.

For other settings related to securing your device, see “*Security*” on page 160.

Note: Unless stated otherwise, instructions in this User Manual start with the device unlocked, at the Home screen.

Locking the Device Manually

- Press the **Power/Lock Key**.

Unlocking the Device

1. Press the **Power/Lock Key**. The Lock screen displays.
2. Swipe across the screen as shown. This is the default Swipe screen lock and offers no security.



Holding the Device

Your device's internal antenna is located along the top back of the device. Do not block the antenna; doing so may affect signal quality and may cause the device to operate at a higher power level than is necessary.

Troubleshooting

If your device has fatal errors, hangs up, or freezes, you may need to reset the device to regain functionality.

- If your device is frozen and unresponsive, press and hold the **Power/Lock Key** for 8 to 10 seconds.

Section 2: Understanding Your Device

This section outlines key features of your device and describes the screen and the icons that appear when the device is in use. It also shows how to navigate through the device.

Features

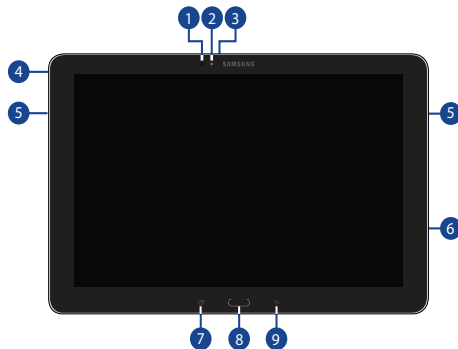
- 12.2-inch WQXGA (2560x1600) TFT (PLS) LCD touch screen
- Android Version: KitKat 4.4
- Wi-Fi, 1.9 GHz-core processor
- Full HTML Web Browser
- Bluetooth 4.0 Wireless technology. For more information, refer to “*Bluetooth*” on page 85.
- Built-in Wi-Fi technology (802.11 a/b/g/n/ac)
- 8 megapixel camera and camcorder, plus 2 megapixel full HD forward-facing camera for video chat
- Full integration of Google applications (Gmail, YouTube, Google Maps, and Voice Search)
- Photo gallery that supports GIF, AGIF, JPEG, PNG, BMP, WBMP, and WEBP formats
- Messaging Features:
 - Gmail
 - Email (corporate and personal)
 - Google Hangouts (Instant Messaging and Video Chat)
- HD Video Player (1080p)
 - Codec: MPEG4, H.264, H.263, VC-1, VP8, WMV7/8, Sorenson Spark, MP43
 - Format: AVI, MP4, 3GP, MKV, WMV, ASF, FLV
- Music player that supports MP3, AAC/AAC+/EAC3+, WMA, Vorbis, FLAC, AC-3, AMR-NB/WB, WAV
- Support for microSD and microSDHC memory cards
- Preloaded applications such as Google Play Books, Google Play Store, Samsung Hub, and more.

Warning! This device does not support some USB storage media devices. For more information, refer to “*Galaxy Tab Accessories*” on page 10.

Front and Sides

The following items can be found on the front and sides of your device as illustrated.

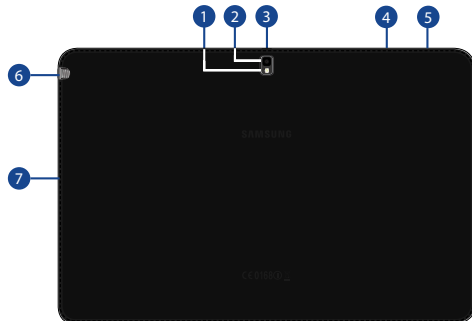
1. **Light Sensor:** Controls screen brightness automatically when taking photos with the front-facing Camera.
2. **Front-Facing Camera Lens:** Take self-portraits and record videos.
3. **Microphone:** Used for video chat
4. **3.5mm Headset Jack:** Plug in for headphones.
5. **External Speakers:** Play music, notification tones, and for other sounds.
6. **Memory Card Slot:** Install a memory card for storage of files.
7. **Recent Key:** Display a list of recently-used applications.
8. **Home Key:** Display the main Home screen. Touch and hold to display Google Now. See “Google Now” on page 102.
9. **Back:** Return to the previous screen or option.



Back, Top, and Bottom

The following items can be found on the back, top, and bottom of your device as illustrated.

1. **Flash:** Provides adequate light when taking pictures in dark places.
2. **Camera Lens:** Used when taking photos or recording videos.
3. **Infrared Blaster:** Emits infrared signals used for controlling external devices.
4. **Volume Key:** From a Home screen, press to adjust Master Volume. During music playback, press to adjust volume.
5. **Power/Lock Key:** Press and hold to turn the device on or off. Press to lock the device or to wake the screen for unlocking.
6. **S Pen:** A built-in stylus that allows you to perform various functions. For more information, refer to “S Pen” on page 25.
7. **Charger/Accessory Port:** Plug in a USB cable for charging or to sync music and files.



Home Screen

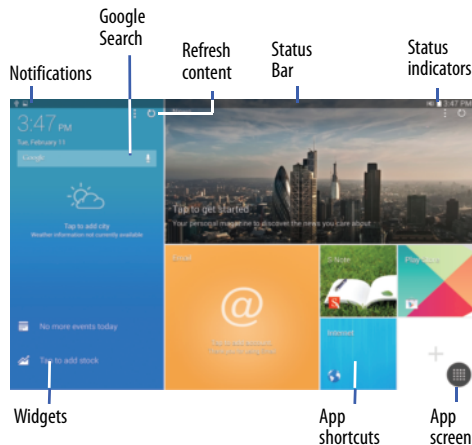
The Home screen is the starting point for using your device. It consists of:

- **Status Bar:** The Status Bar displays notifications on the left side and status indicators on the right side.

Note: The Status Bar is normally hidden. To display it, touch and slide the top of the screen down. It will disappear after a view seconds.

- **Notifications:** Notification icons appear on the Status Bar at the top of the screen to report new messages, Calendar events, device status, and more. Drag down from the Status Bar to open the Notification Panel.
- **Google Search:** Search the web by typing or speaking. For more information, refer to “Google” on page 102.
- **Refresh Content:** Touch to refresh the content of the Home Screen App.
- **Status indicators:** Display your current network status, signal strength, battery charge, and time.
- **Widgets:** Built-in apps which run on the Home screen.

- **App Shortcuts:** Touch to launch your favorite apps.
- **App Screen:** Access to all your apps and widgets.



Additional Home Screens

The Home screen consists of the a *main Home screen* and up to 6 additional screens.

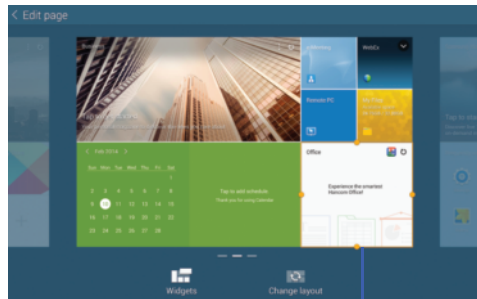
- **Main Home Screen:** One Home screen is designated as the main Home screen, and will display whenever you press the  **Home key**.
- Slide your finger horizontally across the screen to scroll through the Home screens.
- The first three Pages to the left can host Home Screen Apps—built-in apps which run on the Home screen.
- The rest of the pages are for app shortcuts and widgets.

Home Screen Apps Layouts

Home Screen Apps are built-in apps which run in multiple windows on the first four Home screens. You can modify the layout of each Home screen by adding/removing Home Screen Apps and resizing the windows.

To modify a Home Screen:

1. From a Home screen, touch and hold on a Home Screen App until the *Edit* screen displays.



Drag to resize window

2. Touch **Change layout** to randomly rearrange the Home Screen Apps.

To resize a window:

1. Touch and hold a Home Screen App until it “releases” from the page. A gold box appears around the window.
2. Drag a side of the window to resize it. The other Home Screen Apps will automatically adjust to accommodate the resized window.

Note: Not all Home Screen Apps can be resized.

To relocate a Home Screen App:

1. Touch and hold a Home Screen App until it “releases” from the page.
2. Drag the Home Screen App to a new location and release. The other Home Screen Apps will automatically adjust to accommodate it.

Customizing Home Screens

Your device comes with three default Home screens, which contain Home Screen Apps. You can add two additional pages of Home Screen Apps and up to five additional pages to hold apps and widgets.

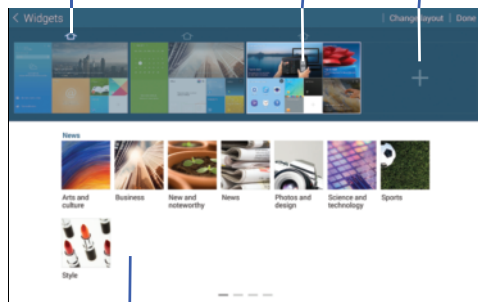
To customize the Home Screens:

1. From a Home screen, pinch the screen from diagonal corners to the center to display the editing screen.
2. Touch a Home screen to activate it.

Main Home Screen

Active Page

Add Page



Home Screen Apps

Replying to an Email

1. Touch  **Email**.
2. Open an email that you have received.
3. Touch  **Reply** to reply to the sender of the email.

Forwarding an Email

1. Touch  **Email**.
2. Open an email that you have received.
3. Touch  **Forward** to forward the email to another contact.

Gmail

Send and receive email with Gmail, Google's web-based email service.

- From a Home screen, touch  **Apps** →  **Google** folder → **Gmail**.

Setting Up Your Gmail Account

If you did not set up a Google Account during the initial configuration, the first time you launch Gmail, your device prompts you to set up your Google Account.

1. Touch **Gmail**.
2. Follow the prompts to sign in or create a new account. The device communicates with the Google server to set up your account and synchronize your email. When complete, your Gmail displays in the Inbox.

Note: You can use more than one Google Account on your device. From a Home screen, touch **Apps** → **Settings** → **General** tab → **Accounts** → **Add account** → **Google** to add an additional Google Account.

Composing and Sending Gmail

1. Touch  **Gmail**.
2. Touch  **Compose**, then touch fields to compose the message. While composing a message, touch  **Menu** for options.
3. Touch  **SEND** to send this message.
— or —
Touch  **Menu** → **Save draft** to save a draft of this message.

Refreshing Your Gmail Account

Refresh your account to update your device from the Gmail servers.

1. Touch  **Gmail**.
2. While viewing your Inbox, drag your finger downward across your messages.

Gmail Settings

Use the Gmail Settings to configure your Gmail preferences.

1. Touch  **Gmail**.
2. Touch  **Menu** → **Settings** for settings.

Hangouts

Previously known as Google Talk, Hangouts is an online place to meet friends and family, share photos, and host video calls. Conversation logs are automatically saved to a Chats area in your Gmail account.

- From a Home screen, touch  **Apps** →  **Google folder** →  **Hangouts**.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

- From a Home screen, touch  **Apps** →  **Google** folder →  **Google+.**

Twitter

Get real-time stories, pictures, videos, conversations, ideas, and inspiration all in your time line. Follow people and your interests to get unfiltered access and unique behind-the-scenes perspectives. Express yourself with photos, videos and comments.

- Touch  **Twitter.**

Section 5: Multimedia

This section explains how to use the music features of your device including the Music app and the Music Player. Flipboard, SketchBook for Galaxy, and WatchON are also described.

Listening to Music

You can listen to music using your device's built-in speakers, through a wired headset, or through a Bluetooth headset.

For more information, refer to “*Bluetooth*” on page 85.

Press the **Volume Key** on the top of the device to activate onscreen volume control, then touch and drag on the scale to set the volume. You can also press the **Volume Key** to adjust playback volume.

Play Music

Note: Some options require a Google Account.

Google Play Music is a Google service that gives you instant access to your personal music collection stored on the Internet and your device. Google Play Music lets you browse, shop, and play back songs purchased from the Google Play Store app, as well as songs you have loaded from your own music library

For more information, visit music.google.com.

- From a Home screen, touch  **Apps** →  **Google folder** →  **Play Music**.

Music Player

Use the Music application to listen to music.

To access Music Player:

1. From a Home screen, touch  **Apps** →  **Music**.
The Music Player application searches your device's internal storage or on an installed memory card for music and playlists. This can take from a few seconds to several minutes, depending on the amount of new music added since you last opened the application. It then displays your music in several ways.
2. Touch a tab, such as **Playlists**, **Tracks**, **Albums**, and so on, to change the way you view the contents of your library.

Searching for Music

To find music in your library:

1. Touch  **Music**.
2. Touch  **Search** and use the keyboard to type the name of an artist, album, or song.

Music Player Options and Settings

To use Music Player options and configure settings:

1. Touch  **Music**.
2. Touch  **Menu** to display the following options:
 - **Sign in**: Sign in to your Samsung account.
 - **Create playlist / Add to playlist**: Create a new playlist or add to a playlist.
 - **Via Bluetooth**: Share music via Bluetooth.
 - **Delete**: Delete selected or all items.
 - **Music square**: Create a playlist based on mood.
 - **Scan for nearby devices**: Share music with devices nearby.
 - **Notices**: Read notices regarding Samsung Music Subscription Service, Samsung Hub, and Video offers.
 - **Settings**: The following settings display:
Player
 - **SoundAlive**: Configure SoundAlive.
 - **Adapt Sound**: Enhance sound quality.
 - **Play speed**: Decrease or increase play speed.

- **Music auto off:** Set the option Off or set your music to turn off automatically by touching one of the time values.
- **Lyrics:** Display the lyrics of the song, if available.
- **Smart volume:** Automatically adjust volume to surroundings.
- **Voice control:** Use voice commands to control playback.

My music

- **Tabs:** Customize the tabs that display on the main Music screen. Playlists and Tracks are not optional.
- **Playlists:** Customize the types of playlists that display. Favorites is not optional.

To rearrange Tabs or Playlists, touch the grid  for an entry and drag the entry to a new position in the list.

Download

- **Only while charging:** Touch the **OFF / ON** button to turn this feature ON .
- **Download method:** Choose a download method from Wi-Fi only or Wi-Fi mobile networks.
- **Default storage:** Set where to store music: Device memory or SD card.

Auto update apps

- Set an option or automatic updating of apps: Turned off, Via Wi-Fi only, or Whenever available.
- **Help:** View information about using Music Player app.

Managing Playlists

Create, manage, or delete a playlist:

- Touch  **Music**.

Creating a Playlist

1. Touch the **Playlists** tab.
2. Touch  **Menu** → **Create playlist**.
– or –
Under **My playlists**, touch **Create playlist**.
3. Use the keyboard to enter a name for the playlist and touch **OK**.

Adding Songs to a Playlist

1. Touch the **Playlists** tab and, under **My playlists**, touch a playlist. Touch  **Add tracks**.
— or —
Touch the **Tracks** tab and touch  **Menu** → **Add to playlist**.
2. Touch each song you want to add or touch **Select all**, and then touch **Done**.
3. If the ADD TO PLAYLIST screen displays, touch a playlist, **Create playlist**, or **Now playing list**.

Renaming a Playlist

1. Touch the **Playlists** tab and, under **My playlists**, touch a playlist.
2. Touch  **Menu** → **Edit title**.
3. Use the keyboard to enter a new name for the playlist and touch **OK**.

Changing the Order of a Playlist

1. Touch the **Playlists** tab and, under **My playlists**, touch a playlist.
2. Touch  **Menu** → **Change order**.
3. Touch the grid  for an entry and drag the entry to a new position in the list.
4. Touch **Done** to change the order and save the playlist.

Playing a Playlist

1. Touch the **Playlists** tab.
2. Touch **Favorites**, **Most played**, **Recently played**, or **Recently added**, or touch a playlist title that you created.
3. Touch a song to start playing the playlist at that song.

Removing Songs from Playlists

1. Touch the **Playlists** tab and touch a playlist.
2. Touch  **Menu** → **Remove**.
3. Touch each song you want to remove or touch **Select all**.
4. Touch **Done** to save the playlist.

Deleting a Playlist

1. Touch the **Playlists** tab.
2. Touch  **Menu** → **Delete**.
3. Touch each playlist you want to remove or touch **Select all**.
4. Touch **Done**.

Playing Music

1. Touch  **Music**.
2. Touch a song or touch an album or genre and then touch a song in the list of songs on the album.

The song you touch starts to play. Unless you choose a repeat option, the tracks in the current list play in order until the end of the list is reached. Otherwise, playback stops only if you stop it, even when you switch applications.

Accessing the Music Player

If you navigate away from the Music Player application and music is playing, the Music notification icon  is displayed in the System Bar.

You can change songs or easily return to the Music player:

1. Touch the top of the screen and swipe downward.

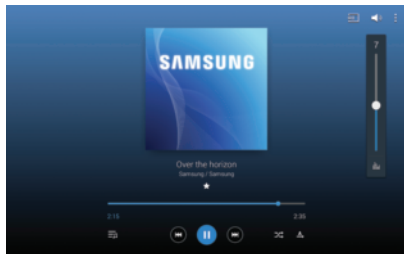
The Notification Panel displays.
2. Touch the song thumbnail to display the Music player.

You can also pause and resume playback and skip to the next or previous song in the panel. For more information, refer to “*Notifications*” on page 32.

Music Player Controls

When a song is playing, the Music Player screen displays and various controls are available.

1. Touch  **Music**.
2. Touch a song or playlist to begin playback.
The music player displays below the music listing.
3. Touch the song thumbnail to enlarge the music player.



During playback, the following controls are available:



Scan for DLNA-enabled devices.



Volume control and SoundAlive.



Volume control showing volume muted.



Touch to view and set SoundAlive options.



Access settings. For more information, refer to *“Options While Playing a Song”* on page 63.



Assign the current song as a Favorite.



Touch and drag the end of the progress bar to scan forward or backward through the current song.



Lists the current playlist songs.



Touch and hold to rewind the song. Touch to go to previous song.



Pause the song.



Start the song after pausing.



Touch and hold to fast-forward the song. Touch to go to next song.



Shuffles the current list of songs randomly.



Songs play in order and are not shuffled.



Plays the entire song list once.



Replays the current list when the list ends.



Repeats the currently playing song.

Options While Playing a Song

There are various options and controls available while a song is playing:

1. Touch  **Music**, touch a playlist or an album, and then a song.
2. Touch the music player to enlarge it.
3. Touch  **Menu** to display the following options:
 - **Via Bluetooth:** Play the current song by using a Bluetooth device.
 - **Add to playlist:** Add the song to a new playlist or an existing playlist.
 - **Set as:** Use the current song as an alarm tone.
 - **Scan for nearby devices:** Discover and connect directly to nearby devices.
 - **Settings:** Displays Music Player settings. For more information, refer to “Music Player Options and Settings” on page 58.
 - **Details:** View song details.
 - **End:** This option returns you to the Home screen.

Playing Music by Mood

Play music grouped by mood. The playlist is automatically created by the device.

- Touch  **Music** →  **Menu** → **Music square** and select a cell of mood.

– or –

Select multiple cells by dragging your finger across multiple cells.

Flipboard

Use this application to access your personalized magazines.

Important! Before you use Flipboard, verify that you have an active Internet connection available. For more information, refer to “Wi-Fi” on page 81.

1. From a Home screen, touch  **Apps** →  **Samsung** folder →  **Flipboard**.
2. Touch **Next** on the Welcome to Flipboard pop-up and then touch **Done** to get started.
3. To start your Flipboard, touch **FLIP** on the greeting page and swipe to the left.

4. Touch **Flipboard Account** to sign in with your Facebook account information or your Flipboard account to view your content and social networks.
5. Select a cover story or a topic, swipe through the Flipboard pages, and then select an article to read.
6. While reading an article, use the following icons:



Go to the previous page.



Share the article with others.



Touch to set the article as a favorite.



Set the article as your likes in Flipboard.



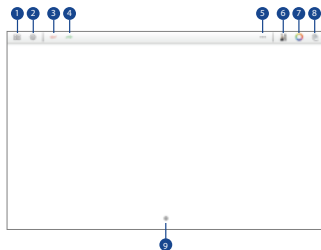
Create an account for Flipboard to make your own magazine.

SketchBook for Galaxy

Use this application to create a quick concept or sketch out your idea for a project.

Note: The SketchBook app must be installed before you can use it. Touch OK on the pop-up and follow the onscreen instructions.

1. From a Home screen, touch  **Apps** →  **Samsung** folder →  **SketchBook for Galaxy**.
2. Use artistic tools to draw and paint your digital art. The image is saved in Gallery.



1. Create and save a sketchbook.
2. Display SketchBook information and settings.
3. Undo the last action.
4. Redo the last action.
5. Use SketchBook tools.
6. Change the brush types and settings.
7. Change a brush color.
8. Add or delete layers.
9. Register the frequently-used tools.

WatchON

Enjoy all of your favorite movies and TV shows with WatchON.

Important! Before you use WatchON, verify that you have an active Internet connection available. For more information, refer to “Wi-Fi” on page 81.

Notes

1. Before beginning your initial WatchON application setup, make sure that your TV is turned off.
2. To improve your recommendations, turn on seamless viewing across multiple screens, and simplify the purchase of content from Samsung WatchON, sign into your Samsung account before using WatchON. For more information, refer to “Your Samsung Account” on page 44.

Initial Configuration

1. From a Home screen, touch  **Apps** →  **WatchON**.
The Set up WatchON screen displays.
2. Touch **Set up WatchON**.
The Privacy policy displays.
3. Read the Privacy policy, check the **I have read and accept the terms of the above privacy policy** box, and touch **Next**.
4. Follow the onscreen instructions.

WatchON Menu

1. From a Home screen, touch  **Apps** →  **WatchON**.
2. Touch  **Menu** for the following options.
 - **Sign in:** Sign in to your Samsung account to improve your WatchON experience.
 - **Settings:** Configure Samsung WatchON settings. Follow the onscreen instructions.
 - **Help:** Displays Samsung WatchON help information and a Contact us telephone number.

Section 6: Camera and Video

Camera

Use this application to take photos or videos.

Use **Gallery** to view photos and videos taken with the device's camera.

- From a Home screen, touch  **Apps** →  **Camera**.

Note: The camera automatically shuts off when unused.

Note: Make sure that the lens is clean. Otherwise, the device may not work properly in some modes that require high resolutions.

Camera Etiquette

- Do not take photos or videos of other people without their permission.
- Do not take photos or videos where legally prohibited.
- Do not take photos or videos in places where you may violate other people's privacy.

Taking Photos

1. Touch the image on the preview screen where the camera should focus.
When the subject is in focus, the focus frame turns green.
2. Touch  to take the photo.



1. Change camera settings.
2. Switch between the front and rear camera.
3. Switch to dual camera mode.
4. View more options.
5. Display current mode.
6. Record video button.
7. Camera button.
8. Shooting mode.
9. Open Gallery to view photos and videos.
10. Select an available effect.

Shooting Mode

Several photo effects are available. Some modes are not available when taking self-portraits.

- Touch **MODE**, and then scroll up or down the screen at the right side of the screen.
 - **Auto**: Allow the camera to evaluate the surroundings and determine the ideal mode for the photo.
 - **Beauty face**: Take a photo with lightened faces for gentler images.
 - **Best photo**: Take a series of photos, and then save the best one.
 - **Best face**: Take multiple group shots at the same time and combine them to create the best possible image.
 - Touch  to take multiple photos. To get the best shot, hold the camera steady and remain still while taking photos. When **Gallery** opens, touch the yellow frame on each face, and choose the best individual pose for the subject. After choosing a pose for each individual, touch **Save** to merge the images into a single photo, and save it.

- **Sound & shot:** Take a photo with sound.
 - Touch  to take a photo. The device records a few seconds of audio after taking a photo.

Note: While taking photos in this mode, sound is recorded by the internal microphone.

- **Drama:** Take a series of photos and combine them to create an image that shows trails of the movement.

To get the best shot, follow these tips. The device may not take photos properly in other shooting conditions.

- Hold the camera steady and remain still while taking photos.
- Take photos of a subject that is moving in one direction.
- Take photos with backgrounds that are free of moving objects.
- Avoid taking photos of a subject and background with similar colors.
- Avoid taking photos of a subject that is too close or too far away to fit within the viewfinder or that is too long such as a bus or a train.

- **Rich tone (HDR):** Take photos without losing details in bright and dark areas.

- **Eraser:** Erase the movements of moving subjects in the background.

- Touch  to take a series of photos. The device erases traces of movement from a moving subject. To restore the original photo, touch Show moving objects, and then touch the highlighted area.

To get the best shot, follow these tips:

- Hold the camera steady and remain still while taking photos.
- Avoid taking photos of a subject and background with similar colors.
- When taking photos of a subject that is moving very little or moving a great deal, the camera may not recognize all of the movements.
- If there are multiple subjects moving in the background, the camera may not recognize all of the movement.

- **Panorama:** Take a photo composed of many photos strung together.

To get the best shot, follow these tips:

- Move the camera slowly in one direction.
 - Keep the camera's viewfinder within the guide frame.
 - Avoid taking photos of a subject in front of unrecognizable backgrounds, such as empty skies or plain walls.
- **Sports:** Use this setting for fast-moving subjects.

Panoramic Photos

A panoramic photo is a wide landscape image consisting of multiple shots.

1. Touch **MODE → Panorama**.
2. Touch  and move the camera in one direction. When the blue frame aligns with the viewfinder, the camera automatically takes another shot in a panoramic sequence. To stop shooting, touch . If the viewfinder is out of the direction, the device stops shooting.

Applying Filter Effects

Use the filter effects to take unique photos or videos.

- Touch  and select a filter effect. The available options vary by mode.

Recording Videos

- To record a video, touch  to record a video.
- To pause recording, touch .
- To continue recording, touch .
- To stop recording, touch .

While recording, use the following actions:

- To change the focus, touch where you want to focus. To focus on the center of the screen, touch .
- To capture an image from the video while recording, touch .

Recording Mode

- Touch > **Options** →  **Recording mode** to change the recording mode.
 - **Normal**: Use this mode for normal quality.
 - **Limit for email**: Use this mode to lower quality for sending via messages.
 - **Fast motion**: Use this mode when recording action scenes.

Zooming In and Out

Use one of the following methods:

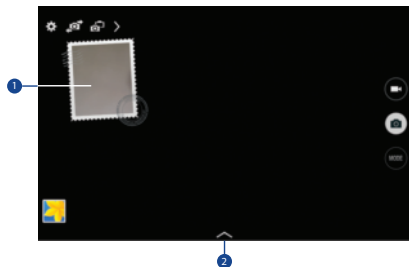
- Use the **Volume** button to zoom in or out.
- Spread two fingers apart on the screen to zoom in, and pinch to zoom out.

Note: The zoom in and out effect is available when using the zoom feature while shooting video.

Dual Camera Mode

When you take a landscape photo with the rear camera, the photo or video captured by the front camera appears in an inset window, or vice versa. Use this feature to take a beautiful landscape photo and a self-portrait simultaneously.

- Touch  to switch to dual camera mode. Touch  to take a photo or touch  to record a video.



1. Touch the window to resize it or move it to a new location.
2. Select various styles that are available.

Note: You can record videos in dual camera mode for up to 5 minutes in Full HD and up to 10 minutes in HD. While taking videos in this mode, sound is recorded by the internal microphone.

Share Shot

- Touch **> Options** →  and select one of the following:
 - **Share shot:** Send a photo directly to another device via Wi-Fi Direct.
 - **Buddy photo share:** Set the device to recognize a person's face that you have tagged in a photo and send it to that person.
 - **Remote viewfinder:** Set a device to control the camera remotely.

Controlling the Camera Remotely

Set a device as a viewfinder to control the camera remotely.

1. Touch **> Options** →  → **Remote viewfinder**, and then connect the device and the camera using Wi-Fi Direct.
2. Touch to take a photo remotely using the device as a viewfinder.

Configuring Settings for Camera

- Touch  to configure settings for Camera. Not all of the following options are available in both still camera and video camera modes. The available options vary depending on the mode used.

Camera:

- **Photo size:** Select a resolution. Use higher resolution for higher quality. Higher resolution photos take up more memory.
- **Burst shot:** Take a series of photos of moving subjects.
- **Tap to take pics:** Touch the image on the preview screen to take photos.
- **Face detection:** Set the device to recognize people's faces and help you take photos of them.
- **Metering modes:** Select a metering method. This determines how light values are calculated. Center-weighted measures background light in the center of the scene. Spot measures the light value at a specific location. Matrix averages the entire scene.

- **ISO:** Select an ISO value. This controls camera light sensitivity. It is measured in film-camera equivalents. Low values are for stationary or brightly-lit objects. Higher values are for fast-moving or poorly-lit objects.
- **Smart stabilization:** Activate or deactivate anti-shake. Anti-shake helps focus when the camera is moving.
- **Save as:** Set the device to delete the original photo when taking photos with rich tone mode.

Video recorder:

- **Video size:** Select a resolution. Use higher resolution for higher quality. Higher resolution videos take up more memory.
- **Video stabilization:** Activate or deactivate anti-shake. Anti-shake helps focus when the camera is moving.

Settings:

- **Location tag:** Attach a GPS location tag to the photo.

Note: To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.

Tip: Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.

- **Review pics/videos:** Set to show photos or videos after taking them.
- **Volume key:** Set the device to use the Volume button to control the shutter or zoom function.
- **Timer:** Use this for delayed-time shots.
- **White balance:** Select an appropriate white balance, so images have a true-to-life color range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- **Exposure value:** Change the exposure value. This determines how much light the camera's sensor receives. For low light situations, use a higher exposure.
- **Guidelines:** Display viewfinder guides to help composition when selecting subjects.

- **Flash:** Activate or deactivate the flash.
- **Voice control:** Set the camera to take photos with voice commands.
- **Contextual filename:** Set the camera to display contextual tags. Activate this to use Tag Buddy in Gallery.
- **Save as flipped:** Invert the image to create a mirror-image of the original scene.
- **Storage:** Select the memory location for storage.
- **Reset:** Reset the camera settings.
- **Help:** Access help information for using the camera.

Shortcuts

Reorganize shortcuts for easy access to the camera's various options.

1. Touch  **Options**.
2. Touch and hold a shortcut icon to display all shortcuts.
3. Touch and hold an option and drag it to a slot at the top of the screen.

Note: The other icons can be moved within the list by touching and dragging them.

Tip: Touch **Reset** to reset the quick settings layout to the default settings.

Gallery

Use this application to view images and videos.

- From a Home screen, touch  **Apps** →  **Gallery**.

Note: Some file formats are not supported depending on the software installed on the device. Some files may not play properly depending on the encoding method used.

Viewing Images

Launching Gallery displays available folders. When another application, such as Email, saves an image, the Download folder is automatically created to contain the image.

Likewise, capturing a screenshot automatically creates the Screenshots folder.

- Select a folder to open it.

In a folder, images are displayed by creation date.

- Select an image to view it in full screen.
- Scroll left or right to view the next or previous image.

Zooming In and Out

Use one of the following methods to zoom in or out on an image:

- Double-tap anywhere on the screen to zoom in or zoom out.
- Spread two fingers apart on any place to zoom in. Pinch the screen to zoom out.

Viewing Images Using the Motion Feature

Use the motion feature to execute a function with particular motion. For more information, refer to “*Motions*” on page 147.

1. From a Home screen, touch  **Apps** →  **Settings** → **Controls** tab.
2. Touch the **OFF / ON** button next to **Motions** to turn Motions ON .
3. Touch the **OFF / ON** buttons to turn each feature ON .

Playing Videos

Video files show the  icon on their thumbnails.

- Select a video to watch it and touch .

Trimming Segments of a Video

1. Select a video, and then touch  **Trim**.
2. Move the start bracket to the desired starting point, move the end bracket to the desired ending point, and then save the video.

Editing Images

- While viewing an image, touch  **Menu** and use the following functions:
 - **Edit**: Use Photo Editor to edit your photo.
 - **Favorite**: Add to the favorites list.
 - **Slideshow**: Start a slideshow with the images in the current folder.
 - **Photo frame**: Use this to add a frame and a note to an image. The edited image is saved in the Photo frame folder.

- **Photo note**: Use this to write a note on the back of the image. Touch  to edit the note.
- **Copy to clipboard**: Copy to clipboard.
- **Print**: Print the image via a USB or Wi-Fi connection. Some printers may not be compatible with the device.
- **Rename**: Rename the file.
- **Buddy photo share**: Send the image to a person whose face is tagged in the image.
- **Rotate left**: Rotate counter-clockwise.
- **Rotate right**: Rotate clockwise.
- **Crop**: Resize the blue frame to crop and save the image in it.
- **Set as**: Set the image as wallpaper or a contact image.
- **Details**: View image details.
- **Settings**: Change the Gallery settings.

Modifying Images

- While viewing an image, touch  **Menu** → **Edit** and use the following functions:
 - **Rotate**: Rotate the image.
 - **Crop**: Crop the image.
 - **Color**: Adjust the saturation or brightness of the image.
 - **Effect**: Apply effects to the image.
 - **Sticker**: Attach stickers.
 - **Drawing**: Draw on the image.
 - **Frame**: Apply frames to the image.

Favorite Images

- While viewing an image, touch  **Menu** → **Favorite** to add the image to the favorites list.

Deleting Images

Use one of the following methods:

- In a folder, touch  **Menu** → **Select item**, select images by ticking, and then touch  **Delete**.
- When viewing an image, touch  **Delete**.

Sharing Images

Use one of the following methods:

- In a folder, touch  **Menu** → **Select item**, select images by ticking, and then touch  to send them to others or share them via social network services.
- When viewing an image, touch  to send it to others or share it via social network services.

Setting as Wallpaper

- When viewing an image, touch  **Menu** → **Set as** to set the image as wallpaper or to assign it to a contact.

Tagging Faces

1. Touch  **Menu** → **Settings** → **Tags** → **Face tag**.
A yellow frame appears around the recognized face.
2. Touch the face, touch **Add name**, and then select or add a contact.
3. When the face tag appears on an image, touch the face tag and use available options, such as sending messages.

Note: Face recognition may fail depending on the face angle, face size, skin color, facial expression, light conditions, or accessories the subject is wearing.

Using Tag Buddy

To display a contextual tag (weather, location, date, and person's name) when opening an image:

1. Touch  **Menu** → **Settings** → **Tags** → **Tag buddy**.
2. Touch the **OFF / ON** button to turn Tag buddy ON .

Video

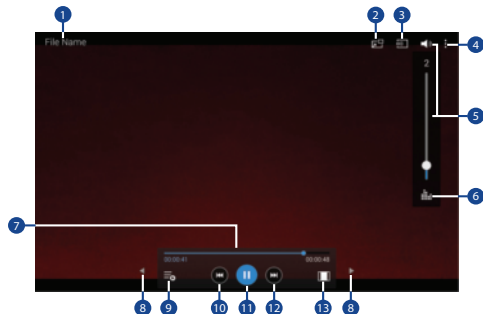
Use this application to play video files.

- From a Home screen, touch  **Apps** →  **Video**.

Note: Some file formats are not supported depending on the device's software. Some files may not play properly depending on the encoding method used.

Playing Videos

Select a video to play.



1. name.
2. Use the pop-up player.
3. Scan DLNA-enabled devices.
4. Access additional options.

5. Touch to display the volume control, and then touch and drag on the scale to set volume. You can also press the Volume Key on the side of the device to adjust playback volume.
6. Display the volume control (5) and touch this icon to access SoundAlive settings.
7. Move forwards or backwards by dragging the bar.
8. Touch either side of the controls to reposition to the left or right.
9. Switch to split screen mode and show video thumbnails on the left side of the screen.
10. Restart the current video or skip to the previous video. Touch and hold to move backwards quickly.
11. Pause and resume playback.
12. Skip to the next video. Touch and hold to move forwards quickly.
13. Change screen ratio.

Deleting Videos

1. Touch  **Menu** → **Delete**.
2. Touch individual videos or touch **Select all**.
3. Touch **Delete**.

Sharing Videos

1. Touch  **Menu** → **Share via**.
2. Touch individual videos or touch **Select all**.
3. Touch **Done** and select a sharing method.

Using Popup Video Player

Use this feature to use other applications without closing the video player.

- While watching videos, touch  to use the pop-up player.
- Spread two fingers apart on the screen to enlarge the player or pinch to reduce it.
- To move the player, drag the player to another location.

YouTube

Use this application to watch videos from the YouTube website.

- From a Home screen, touch  →  **YouTube**.

Note: This application may not be available depending on the region or service provider.

Watching Videos

1. Touch , and then enter a keyword.
2. Select one of the returned search results to watch a video.
3. Rotate the device to landscape orientation to display full screen.

Settings and Help

- Touch  **Menu** to configure YouTube settings or to view YouTube help information.

Section 7: Connections

Your device includes features to connect to the internet and to other devices by using Wi-Fi, Bluetooth, or a USB cable.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks. Use your device's Wi-Fi feature to:

- Access the internet for browsing or to send and receive email.
- Access your corporate network.
- Use hotspots provided by hotels or airports while traveling.

Wi-Fi communication requires access to an existing Wireless Access Point (WAP). WAPs can be Open (unsecured, as with most hotspots) or Secured (requiring you to provide login credentials).

Your device supports Wi-Fi 802.11 a/b/g/n/ac.

Turn Wi-Fi On or Off

Turn your device's Wi-Fi service on or off. When you turn Wi-Fi service on, your device automatically searches for available, in-range WAPs (Wireless Access Points).

From the Notification Panel

1. From any screen, touch the top of the screen and swipe downward. The Notification Panel displays.
2. Touch **Wi-Fi** to turn Wi-Fi **ON** (green) or **OFF** (grey).

From Settings

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Wi-Fi**.
2. Touch the **OFF / ON** button to turn Wi-Fi ON  or OFF .

Scan and Connect to a Wi-Fi Network

When you turn on Wi-Fi, your device searches for and displays available Wi-Fi connections.

1. From any screen, touch the top of the screen and swipe downward. The Notification Panel displays.
2. Touch **Wi-Fi** to turn Wi-Fi **ON** (green). Your device begins scanning for available Wireless Access Points.

Note: To begin a new scan for available WAPs, touch **Scan**.

3. When the scan is complete, touch a Wi-Fi network to connect. If the Wi-Fi network is open (unsecured), your device automatically connects. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Tip: You can have your device automatically notify you of available networks. See **Network notification** under “*Wi-Fi Settings*” on page 83.

Note: When Wi-Fi is on,  is displayed on the Status Bar.

Add a Wi-Fi Network Manually

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Wi-Fi**.
2. Touch the **OFF / ON** button to turn Wi-Fi ON .
3. Touch **Add Wi-Fi network** and enter the following:
 - **Network SSID:** Enter the name of the Wi-Fi Wireless Access Point (WAP).
 - **Security:** Select the type of security used by the WAP.

Note: Depending on the security protocol used by the WAP, additional network information may be required, such as a password.

- **Password:** If the WAP is secured, enter the password or hex key.
4. Touch **Connect**.

Wi-Fi Status Indicators

The following icons show your current Wi-Fi connection status at a glance:



Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).



Displays when there is a Wi-Fi access point available but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).



Displays when connected to another device using Wi-Fi Direct. For more information, refer to “Wi-Fi Direct” on page 84.

Wi-Fi Settings

The Wi-Fi settings menu allows you to set up many of your device’s advanced Wi-Fi services.

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Wi-Fi**.
2. Touch the **OFF / ON** button to turn Wi-Fi ON .
3. Touch  **Menu** for options:
 - **Advanced:**
 - **Network notification:** Receive a notification when new Wireless Access Points (WAPs) are available.
 - **Passpoint:** Connect to passpoint-enabled Wi-Fi Access Points automatically. Touch the **OFF / ON** button to turn Passpoint ON . Touch **Passpoint** to see other available Passpoint-enabled Wi-Fi APs.
 - **Sort by:** Sort Wi-Fi networks by Alphabet or Signal strength.
 - **Keep Wi-Fi on during sleep:** Specify when to disconnect from Wi-Fi.
 - **Always allow scanning:** Allow Google location service and other apps to scan for networks, even when Wi-Fi is turned off.

- **Wi-Fi timer:** Specify the **Starting time** and the **Ending time** for Wi-Fi to be automatically connected.
- **Install certificates:** Install authentication certificates.
- **MAC address:** View your device's MAC address, which is required when connecting to some secured networks (not configurable).
- **IP address:** View your device's IP address (not configurable).
- **WPS push button:** Set up a connection to a WPS (Wi-Fi Protected Setup) router or other equipment.
- **WPS PIN entry:** View the PIN used by your tablet to set up a PIN-secured connection to a Wi-Fi router or other equipment (not configurable).
- **Help:** Learn about setting up and using Wi-Fi networks, and other settings.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

These devices must be enabled for Wi-Fi Direct communication. This connection is direct and not via a hot spot or Wireless Access Point (WAP).

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Wi-Fi**.
2. Touch the **OFF / ON** button to turn Wi-Fi ON .
3. Touch **Wi-Fi Direct**.
Your device begins scanning for other devices enabled with Wi-Fi Direct.
4. Enable Wi-Fi Direct on the target device.
5. In the list of available devices, touch the target device.
– or –

If you want to connect to more than one device, touch **Multi connect** and touch each device to which you want to connect that supports Multi-connect. Touch **Done**.

6. On the target device, touch **Accept** (you have 30 seconds to touch **Accept**).

Once connected, the target device will show as **Connected** in your list of Wi-Fi Direct devices and the  icon will display on the Status Bar.

Share Information with Wi-Fi Direct

To share videos, photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or touch  **My Files** folder, then touch the **Share**, **Share via**, or **Send via** option.
2. Touch the **Wi-Fi Direct** option.
The Wi-Fi Direct settings screen displays, Wi-Fi Direct is turned on, and your device scans for other devices.
3. Touch a connected device name.
The other device displays a pop-up that indicates it is receiving the file.

Bluetooth

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet. You do not need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them—even if they are in different rooms.

Your device can use Bluetooth to share photos, contacts and other content with other Bluetooth-enabled devices. Many of the apps on your tablet provide options for sharing via Bluetooth under  **Menu**.

Turning Bluetooth On or Off

From the Notification Panel

1. From any screen, touch the top of the screen and swipe downward. The Notification Panel displays.
2. Touch **Bluetooth** to turn Bluetooth on (green) or off (grey).

From Settings

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Bluetooth**.
2. Touch the **OFF / ON** button to turn Bluetooth ON  or OFF .

Note: When Bluetooth is on,  is displayed on the Status Bar.

Pairing with a Bluetooth Device

To exchange information between your device and another bluetooth-enabled device, you first must pair them.

Tip: After pairing, your device and the target device recognize each other and exchange information without having to enter a passcode or PIN.

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Bluetooth**.
2. Touch the **OFF / ON** button to turn Bluetooth ON .
3. Make sure that the target device is discoverable so that your device can find it. Refer to the instructions that came with the target device to find out how to set it to discoverable mode.
4. Touch **Scan**. Your device will start to scan for Bluetooth devices within range.

5. When you see the name of the target device displayed in the **Available devices** section, touch the name. Your tablet will attempt to pair with the target device.
 - If requested, enter the passcode displayed on the target device.
6. The pairing and connection status is displayed below the target device in the Available devices section.
When you are connected to the target device,
 (Bluetooth connected) displays in the Status Bar.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth-compatible devices.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:



Displays when Bluetooth is active.



Displays when Bluetooth is connected (paired) and communicating.

Reconnect to a Bluetooth Device

When you have paired your tablet with another device, you should be able to reconnect it automatically by turning on Bluetooth on your tablet.

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Bluetooth**.
2. Touch the **OFF / ON** button to turn Bluetooth ON .
3. Make sure that the target device is discoverable so that your device can find it. Refer to the instructions that came with the target device to find out how to set it to discoverable mode.
4. Touch **Scan**. Your device will start to scan for Bluetooth devices within range.
5. When you see the name of the target device displayed in the Available devices section, touch the name. Your tablet will attempt to pair with the target device.
 - If requested, enter the passcode displayed on the target device.

If you still cannot reconnect, try to disconnect or unpair from the target device, and then follow the instructions for “Pairing with a Bluetooth Device” on page 86.

Disconnect or Unpair from a Bluetooth Device

Follow these instructions to disconnect or unpair your tablet from a Bluetooth device.

Disconnect from a Bluetooth Device

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Bluetooth**.
2. Touch the **OFF / ON** button to turn Bluetooth ON .
3. Touch the connected device, and then touch **OK** to disconnect.

Unpair from a Bluetooth Device

You can make your tablet forget its pairing connection with another Bluetooth device. To connect to the other device again, you may need to enter or confirm a passcode again.

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Bluetooth**.
2. Touch the **OFF / ON** button to turn Bluetooth ON .
3. Touch the connected device, and then touch **Unpair**.

Send Information Using Bluetooth

You can use Bluetooth to transfer information between your tablet and another Bluetooth-enabled device such as a tablet or notebook computer. The first time you transfer information between your table and another device, you need to enter or confirm a security passcode. After that, your tablet and the other device are paired, and you will not need to exchange pass codes to transfer information in the future.

Send Information from Your Tablet to Another Device

You can send the following types of information, depending on the device you are sending to:

- Images and videos
- Calendar events
- Contacts
- Audio files

Note: Your tablet must already be paired to the target device in order to share files. For more information, refer to *“Pairing with a Bluetooth Device”* on page 86.

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Bluetooth**.
2. Touch the **OFF / ON** button to turn Bluetooth ON .
3. Set the target device to discoverable mode. Refer to the target device's documentation for instructions on receiving information over Bluetooth.
4. On your tablet, open the application that contains the information or file you want to send. Some common ways of sharing files via Bluetooth include:
 - While viewing photos or videos in the Gallery, touch  → **Bluetooth**.
 - While playing music using the Music app, touch  **Menu** → **Via Bluetooth**.
 - While viewing a Contact, touch  **Menu** → **Share namecard** → **Bluetooth**.
5. Touch the name of the target device.
6. On the target device, follow the prompts to accept the file.

Receive Data Using Bluetooth

Your tablet is capable of receiving a wide variety of file types with Bluetooth, including photos, audio files, and documents such as PDFs.

Note: Your tablet must already be paired to the target device in order to share files. For more information, refer to “Pairing with a Bluetooth Device” on page 86.

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Bluetooth**.
2. Touch the **OFF / ON** button to turn Bluetooth ON .
3. When your tablet receives a file transfer request notification, touch **Accept**.
4. When the file is transferred, a notification displays. To open the file immediately, slide down the Notification Panel, and then touch the relevant notification.

Accessing Files Received via Bluetooth

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Bluetooth**.
2. Touch  **Menu** → **Received files**.
3. Touch a file to open it. When you open a received file, what happens next depends on the file type:
 - Media files and documents are usually opened directly in a compatible application. For example, if you open a music track, it starts playing in the Music Player application.
 - For a vCalendar file, select the calendar where you want to save the event, and then touch **Import**. The vCalendar is added to your Calendar events.
 - For a vCard contact file, if there are multiple vCard files on your storage card, you can choose to import one, several, or all of those contacts to your Contacts list.
4. Received data is normally saved to the Bluetooth folder on your tablet. If you receive a contact, it is saved to your contacts automatically.

Bluetooth Settings

1. From a Home screen, touch  **Apps** →  **Settings** → **Connections** tab → **Bluetooth**.
2. Touch the **OFF / ON** button to turn Bluetooth ON .
3. Touch  **Menu** for options:
 - **Visibility timeout**: Set the length of time your tablet is visible to other devices when you turn on visibility.
 - **Received files**: Show the list of files received using Bluetooth.
 - **Help**: Display additional Bluetooth information.

Change Your Bluetooth Name

You can change the name that is used to identify your tablet when using Bluetooth.

1. From a Home screen, touch  **Apps** →  **Settings** → **General** tab → **About device** → **Device name**.
2. Edit the device name and touch **OK**.

Managing Downloads

Files, apps, and other items you download in Internet, Gmail, Email, or in other ways, are stored on your tablet's internal storage. You can use the Downloads app to view, reopen, or delete what you have downloaded.

To manage the demands on their networks or to help you avoid unexpected charges, some mobile networks place restrictions on the size of the files you can download. When you are connected to such networks, and you try to download an oversized-file, you are asked or required to delay downloading the file until the next time you are connected to a Wi-Fi network. At that time, the download resumes automatically. The Downloads app can also be used to view and manage these queued files.

Downloaded files are stored in the Download directory in your tablet's internal storage. You can view and copy files from this directory when connected to a computer with a USB cable.

Uninstalling an App

Apps come pre-installed on your device and you can download additional apps from Google Play. If you decide to, you can uninstall apps you downloaded from Google Play and other sources.

There are several ways to uninstall an app:

1. From a Home screen, touch  **Apps** →  **Settings** → **General** tab → **Application manager**.
2. Touch the **DOWNLOADED** tab.
3. Touch the app you want to uninstall.
4. Touch the **Uninstall** button.

A pop-up displays the message **Application will be uninstalled**.

5. Touch **OK** to confirm you want to uninstall the app.

You can also use Google Play to uninstall apps you downloaded from there (see “*Play Store*” on page 110).

Tip: To uninstall updates to pre-installed apps, touch the app and touch **Uninstall updates**. A pop-up displays the message **All updates to this Android system app will be uninstalled**. Touch **OK** to uninstall the updates.

To uninstall an app from the Apps screen:

1. From a Home screen, touch .
2. Touch  **Menu** → **Uninstall/disable apps** to display the Uninstall screen.
– or –
Touch  **Download** and then touch  **Menu** → **Uninstall**.

A  appears on Apps that can be uninstalled or disabled.
3. Touch an app's icon and then touch **OK** to uninstall and remove the app from your tablet.

Note: You cannot uninstall pre-loaded apps. You can only uninstall the apps you have downloaded.

Samsung Kies

Samsung Kies is a software that enables you to update your device firmware, synchronize files, and transfer data to and from your device directly by connecting to your computer.

To learn more about Samsung Kies and to download the software (PC and Mac), visit samsung.com/kies.

Synchronizing with Windows Media Player

Ensure that Windows Media Player is installed on your PC.

1. Attach your device to the computer with the USB cable.
Your computer recognizes the connection and displays the Auto Play screen. (If the Auto Play screen does not appear, manually launch the program.)
2. Click the option to **Sync digital media files to this device** to synchronize music files.
3. Select and drag the music files you want to the sync list and begin synchronizing.
4. When finished, exit Windows Media Player and disconnect the USB cable.

Connecting as a Mass Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as **Card**, separate from the internal memory, which is **Tablet**.

1. Insert a memory card into the device to transfer files from or to the memory card.
2. Attach your device to the computer with the USB cable. Your computer recognizes the connection and displays the AutoPlay screen.
3. Click the option to **Open device to view files**. You should see a Card and a Tablet folder.
4. Copy files from the PC to the memory card (Card folder).
5. When finished, close the PC folder and disconnect the USB cable.

Section 8: Applications

This section contains a description of each application that is available on the Apps screen, its function, and how to navigate through that particular application. If the application is described in another section of this user manual, then a cross reference to that description is provided.

Updating Applications

Once you have registered your device (see “*Software Update*” on page 165) and signed into your Google Account (see “*Your Google Account*” on page 44), you may see the  **Updates Available** notification in the Status Bar if there is a new version of one or more apps available or, when you open an application that is preloaded on your device, an **Update Available** message may be displayed.

To update the applications:

1. Touch the top of the screen and swipe downward.
The Status Details screen displays.
2. Touch **Updates available**.

GPS Applications

GPS applications allow you to achieve real-time, GPS-enabled, turn-by-turn navigation and to access local searches based on a variety of category parameters.

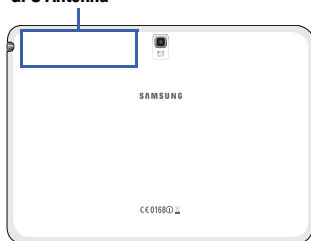
To receive better GPS signals, avoid using your device in the following conditions:

- Inside a building or between buildings
- In a tunnel or underground passage
- In poor weather
- Around high-voltage or electromagnetic fields
- In a vehicle with tinted windows

Global GPS turn-by-turn navigation, mapping, and Point of Interest content is available for three areas, including North America, Western Europe, and China, where wireless coverage is available.

Important! If you touch or cover the internal GPS antenna while using GPS services, it may impede the GPS signal resulting in the GPS services not working in an optimal manner. Refer to the following diagram to locate the approximate location of the internal GPS antenna.

Location of Internal GPS Antenna



**(Back view
of device)**

Accessing Applications

The **Apps** screen displays all applications installed on your wireless device. Applications that you download and install from Google Play or from the web are also added to a Home screen.

To access applications:

1. From a Home screen, touch  **Apps**.
The Apps screen displays.
2. Locate the application's icon and touch it to launch the application.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens, if it is not there by default. For more information, refer to *"Adding a Shortcut or Widget"* on page 35.

Application Folders

There are several applications that are grouped into different folders. The applications in this section are described alphabetically. The following folders contain the applications listed below:



Samsung: Action Memo, Alarm, Evernote, Flipboard, Help, Internet, KNOX, S Voice, Samsung Apps, Samsung Hub, Scrapbook, SideSync 3.0, and SketchBook for Galaxy.



Google: Chrome, Drive, Gmail, Google, Google Settings, Google+, Hangouts, Photos, Play Books, Play Games, Play Movies & TV, Play Music, Play Newsstand, and Voice Search.



Tools: Calculator and Downloads.

Action Memo

Use Action Memo to jot down or draw a note, and then select the memo to perform various actions, such as adding contacts or sending a email.

To launch Action Memo:

- With the S Pen button pressed, double-tap the screen. For more information, refer to “*Launching Action Memo*” on page 26.
– or –
Touch  **Samsung** folder →  **Action Memo**, and then touch **+ Create**.

Alarm

Set alarms for reminders or for wake-up times.

1. Touch  **Samsung** folder →  **Alarm**.
2. Touch  **Turn alarm on** to activate the alarm. A gray alarm means the alarm is deactivated.
3. Touch an alarm to change any of its settings and then touch **Save** to save the updates.

Note: When an alarm is set,  displays in the Status Bar.

Setting Alarms

- Touch  **Create**, set a time for the alarm to go off, select days for the alarm to repeat, and then touch **Save**.
 - **Location alarm:** Set a location. The alarm goes off only when you are in the location.

- **Snooze:** Set an interval and the number of times for the alarm to repeat after the preset time.
- **Smart alarm:** Set a time for the alarm to go off before the preset time.
- **Name:** Give the alarm a name.

Stopping Alarms

- Drag  outside the large circle to stop an alarm.
- Drag  outside the large circle to repeat the alarm after a specified length of time.

Deleting Alarms

- Touch and hold the alarm, and then touch **Delete**.

Bloomberg Businessweek+

Read Bloomberg Businessweek+ weekly for all the content of the print edition of the magazine along with exclusive content and interactive features.

- Touch  **Businessweek+**.

Calculator

The Calculator provides basic and advanced arithmetic functions.

1. Touch  **Tools** folder →  **Calculator**.
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by touching the corresponding onscreen arithmetic function key.
4. Enter the next number.
5. To view the result, touch the = (equals) key.
6. Repeat Steps 3 through 5 as many times as required.
7. Touch  to clear the result.
8. To clear the calculator history, touch  **Clear history**.
9. For more advanced problems, use the advanced operators **sin**, **ln**, **cos**, **log**, **tan**, and so on, just as you would on a pocket calculator.
10. Touch and hold entries in the Calculator's display field to copy or cut the contents of the display.
Copied to clipboard displays. Paste the copied value in another app.

Calendar

Use this application to manage events and tasks.

- Touch  **Calendar**.

Creating Events or Tasks

1. Touch  and use one of the following methods:
 - **Add event**: Enter an event with an optional repeat setting.
 - **Add task**: Enter a task with an optional priority setting.— or —
Touch a date on the calendar to select it and touch it again.

Enter a title and specify which calendar to use or sync with. Then touch **Edit event details** or **Edit task details** to add more details, such as how often the event repeats, when it has an advance alert, or where it takes place.
2. Attach a map showing the location of the event. Enter the location in the **Location** field, touch  next to the field, and then pinpoint the precise location by touching and holding on the map that appears.

Syncing with Google Calendar

1. From a Home screen, touch  **Apps** →  **Settings** → **General** tab → **Accounts** → **Google**.
2. Touch a Google Account → **Sync Calendar** → **Sync now**.

To manually sync for updating:

- Touch  **Calendar** →  **Menu** → **Sync**.

To display synced events or tasks:

- Touch  **Calendar** →  **Menu** → **Calendars**, and then check mark the Google Account.

Handwriting on Month View

- On month view screen, touch  to turn on handwriting mode. This is only available in month view in landscape mode.

Changing Calendar Type

At the top of the screen:

1. Touch a calendar type: **Year**, **Month**, **Week**, or **Day**.
2. Touch **List** to list all events or **Task** to list all tasks.

Searching for Events

- Touch  **Search**, and then enter a keyword to use for the search.
- To view today's events, touch **Today** at the top of the screen.

Deleting Events

- Touch an event or task. On the pop-up, touch  **Menu** → **Delete**.
– or –
Touch  **Menu** → **Delete**, select events, and then touch **Delete**.

Sharing Events

- Touch an event. On the pop-up, touch  **Menu** → **Share via**, and then select a sharing method.

Camera

Use this application to take photos or videos.

- Touch  **Camera**.

For more information, refer to “*Camera*” on page 67.

Chrome

Use Chrome to browse the internet and bring your open tabs, bookmarks and omnibox data from your computer to your tablet.

- Touch  **Google folder** →  **Chrome**.

Contacts

Store contact information for your friends, family, and colleagues, to quickly access information or to send a message.

- Touch  **Contacts**.

For more information, refer to “*Contacts*” on page 44.

Downloads

Use this application to see what files are downloaded through the applications.

1. Touch  **Tools folder** →  **Downloads**.
2. Select a file to open it with an appropriate application.

Drive

Use the Google Drive app to open, view, rename, and share your Google Docs and files.

1. Touch  **Google folder** →  **Drive**.
2. Sign in to your Google account. For more information, refer to “*Setting Up Your Gmail Account*” on page 54.
A product tour displays the first time you access Drive.
3. Touch **Next** to view the product tour or touch **Go to Drive** to get started.

Tip: Touch  **Menu** → **Product Tour** to repeat the product tour at any time.

4. Follow the onscreen instructions to use Drive.
5. Touch  **Menu** → **Settings** to configure your Drive preferences.
6. Touch  **Menu** → **Help** to display additional help information.

Dropbox

Use this application to save and share files with others via the Dropbox cloud storage. When you save files to Dropbox, your device automatically syncs with the web server and any other computers that have Dropbox installed.

1. Touch  **Dropbox**.
2. Follow the onscreen instructions to complete the setup and begin using Dropbox.

e-Meeting

Samsung e-Meeting is an integrated, secure, and server-free system that allows paperless communication and sharing of documents in real-time.

- Touch  **e-Meeting**.

Email

Send and receive email using popular email services.

- Touch  **Email**.

For more information, refer to “*Email*” on page 51.

Evernote

Use this application to create, synchronize, and share multimedia notes that you create. You can add tags to the notes, or sort the notes into a notebook so that you can manage your ideas efficiently.

- Touch  **Samsung folder** →  **Evernote**.

Flipboard

Use this application to access your personalized magazines.

- Touch  **Samsung folder** →  **Flipboard**.

For more information, refer to “*Flipboard*” on page 64.

Gallery

Use Gallery to view, capture, and manage photos and videos.

For more information, refer to “*Gallery*” on page 75.

- Touch  **Gallery**.

Gmail

Send and receive email with Gmail, Google's web-based email.

- Touch  **Google folder** →  **Gmail**.

For more information, refer to “Email” on page 51.

Google

Use this application to search not only the Internet, but also applications and their contents on the device as well.

- Touch  **Google folder** →  **Google**.

Google Now

Google Now recognizes repeated actions performed on the device (including accessing locations, repeated calendar appointments, search queries, and more). Google Now uses these actions to automatically send updates for user-specific information in the form of “cards.”

For more information, visit google.com/landing/now.

1. Press and hold  **Home**.
2. Follow the prompts to set up and use Google Now.

Note: When Google Now is enabled, you can also access it by touching  **Google folder** →  **Google**.

Google Settings

Use this application to configure settings for some features provided by Google.

- Touch  **Google folder** →  **Google Settings**.

Google+

Share updates and see what is going on around you with Google+ for mobile.

- Touch  **Google folder** →  **Google+**.

For more information, refer to “Google+” on page 56.

Hancom Viewer

Hancom Office Viewer opens and manages Hancom Office Hanword (*.hwp) and Hanshow (*.show) documents.

1. Touch  **Hancom Viewer**.
The app is installed.
2. For more information, touch **About Hancom Viewer** → **Online Support**.

Hangouts

Hangouts is an online place to meet friends and family, share photos, and host video calls.

- Touch  **Google** folder →  **Hangouts**.

For more information, refer to “*Hangouts*” on page 55.

Help

Access help information to learn how to use the device and applications or configure important settings.

- Touch  **Samsung** folder →  **Help**.

For more information, refer to “*Help*” on page 40.

Internet

Your device is equipped with a full HTML browser that gives you access the Internet.

- Touch  **Samsung** folder →  **Internet**.

Command Keys

- Touch  **Back** or  to return to the previous page.
- Touch  **Forward** to go forward to a recent page.
- Touch  **Home** to display your Internet Home screen.
- Touch  **Refresh** to reload the current page.

Zoom

- Touch the screen twice to zoom in or out.
- Use two fingers, such as your index finger and thumb, to zoom out by making an inward pinch motion on the screen. To zoom in, make an outward motion by sweeping your fingers out.



Tip: For convenient browsing, you can rotate the device to landscape mode.

Selecting Items on a Page

While browsing, use gestures and menus to navigate:

- Touch an item to select it.
- Touch a hyperlink to follow the link.
- Touch and hold on a hyperlink or an image for options.

Viewing Webpages

- To view a webpage, touch the address field, enter the web address, and then touch **Go**.
- Touch  **Menu** to share, save, or print the current webpage while viewing a webpage.

Change the Search Engine

- Touch the address field, and then touch the search engine icon next to the web address.

Using Browser Windows

You can have multiple windows open at one time and easily switch between windows.

1. To open a new window, touch  at the top of the screen.

– or –

Touch  **Menu** → **New tab**.

2. To switch to another open window, touch its tab at the top of the screen.
3. To delete an open window, touch the tab at the top of the screen, and then touch .

Searching the Web by Voice

- Touch the address field, touch  → , speak a keyword, and then select one of the suggested keywords that appear.

Bookmarks

To bookmark the current webpage:

- Touch  →  **Add bookmark.**

To open a bookmarked webpage:

- Touch , and then touch a bookmark to open it.

History

- Touch  → **History** to open a webpage from the list of recently-visited webpages.
- To clear the history, touch  **Clear history.**

Saved Pages

- To view saved webpages, touch  → **Saved pages.**

Links

- Touch and hold a link on a webpage to open it in a new page, save, or copy.
To view saved links, use Downloads (see “Downloads” on page 100).

Sharing Webpages

- To share a webpage address with others, touch  **Menu** → **Share via.**
- To share a part of a webpage, touch and hold the desired text, and then touch **Share via.**

Entering Text in a Field

- While browsing, touch a text field to display the virtual QWERTY keyboard to enter text.

Internet Menu

While viewing a webpage:

Touch  **Menu** for options.

KNOX

Use this application to secure the data on your device.

- Touch  **Samsung** folder →  **KNOX**.

Maps

Use Google Maps to find your current location, get directions, and other location-based information.

Note: You must enable location services to use Maps. For more information, refer to “*Location*” on page 125.

- Touch  **Maps**.

Maps Menu

While viewing a map:

- Touch  **Menu**, in the upper left corner of the screen, for options.

To configure Maps settings:

- Touch  **Menu** → **Settings**.

For more information touch  **Menu** → **Help**.

Music

Play music and other audio files that you copy from your computer.

- Touch  **Music**.

For more information, refer to “*Music Player*” on page 58.

My Files

Use this application to access all kinds of files stored in the device, including images, videos, songs, and sound clips.

- Touch  **My Files**.

Viewing Files

Files stored in the device are sorted by criteria. From the left pane of the screen, select one of the following categories:

- **Timeline:** View files that are grouped by date.
- **Favorite folders:** View shortcuts to folders or FTP servers.
- **Folders:** View files stored in the internal memory or a memory card.
- **Categories:** View files sorted by their types.
- **Apps:** View files stored or created in specific applications.

Select a category, and then select a file or folder to open it.

After selecting a category, touch  **Menu**, and then use one of the following options:

- **Select:** Select files or folders.
- **Sort by:** Sort files or folders.
- **Add FTP:** Add an FTP server shortcut in Favorite folders.
- **Scan for nearby devices:** Search for devices that have media sharing activated.
- **Display options:** Change the file manager settings.

Touch  **Menu** → **Select**, select a file or folder, and then use one of the following functions:

- **Share via:** Send files to others or share them.
- **Delete:** Delete files or folders.
- **Move:** Move files or folders to another folder.
- **Copy:** Copy files or folders to another folder.
 - or –
- Touch  **Menu** for the following options:
 - **Go to folder:** Go to the folder in which the file resides.
 - **Rename:** Rename a file or folder.
 - **Add shortcut to home:** Add a shortcut to a file or folder to the Home screen.
 - **Details:** View file or folder details.

Searching for a File

- Touch  **Search**, and then enter search criteria.

Viewing Storage Information

- Touch  **Storage** to view memory information for your device and memory card.

Changing the View Mode

- Touch  to change the view mode.

Creating Folders

- Touch  **Create folder**, enter a name for the folder, and then touch **OK**.

Adding Shortcuts to Folders

Add a shortcut to frequently-used folders in **Favorite folders**.

- Select a folder and touch  **Menu** → **Add to Favorite folders**.

Adding FTP Server Shortcuts to the Device

Add an FTP server shortcut in **Favorite folders**.

- Touch  **Menu** → **Add FTP**, enter details for the FTP server, and then touch **Done**.

Netflix

Watch TV shows and movies, streaming from Netflix.

Note: The Netflix application is part of your Netflix membership. For more information about membership visit www.netflix.com.

- Touch  **Netflix**.

NYTimes

NYTimes allows you to read the latest web edition of *The New York Times* newspaper.

- Touch  **NYTimes**.

Photos

Use this application to view and share images or videos via Google's social network services.

1. Touch  **Google folder** →  **Photos**.
-

Note: This application may not be available depending on the region or service provider.

2. Select one of the following categories:
 - **CAMERA:** View all the images or videos that are taken or downloaded to the device.
 - **HIGHLIGHTS:** View images or videos grouped by date or album. Touch to view all of the images or videos in the group.
3. Select an image or video.
4. While viewing the image or video, use one of the following options:
 -  : Modify the image.
 -  : Share the image or video with others.
 -  : Delete the image or video.

Play Books

Use this application to download and play games.

Visit play.google.com/store/apps/category/GAME to learn more.

Note: This app requires a Google Account.

- Touch  Google folder →  Play Books.

Play Games

Discover hundreds of games for download and purchase through the Google Play Store.

Visit play.google.com/store/apps/category/GAME to learn more.

Note: This app requires a Google Account.

- Touch  Google folder →  Play Games.

Play Movies & TV

Use this application to watch, download, and rent movies or TV shows.

Visit play.google.com/about/movies to learn more.

Note: This app requires a Google Account.

- Touch  Google folder →  Play Movies & TV.

Play Music

Use this application to listen to music from the device or stream music from the Google cloud service.

Visit play.google.com/about/music to learn more.

Note: This app requires a Google Account for some features.

- Touch  Google folder →  Play Music.

Play Newsstand

Subscribe to your favorite magazines so you can have them available to read on your tablet at your leisure.

Visit play.google.com/store/newsstand to learn more.

Note: This app requires a Google Account.

- Touch  **Google** folder →  **Play Newsstand**.

Play Store

- Touch  **Play Store**.

Google Play Store provides access to downloadable applications and games to install on your device. It also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your device.

1. Touch  **Play Store**.

Note: If you are not already logged in with your Google Account, see “*Your Google Account*” on page 44.

2. The first time you open Play Store, read the Google Play Terms of Service, the Google Music Terms of Service, the Google Books Terms of Service, and the YouTube Rentals Terms of Service, then touch **Accept** to continue.

3.  **Menu** → **Help**.

Note: This application may not be available depending on the region or service provider.

Installing Applications

Use this application to purchase and download applications and games that are able to run on the device.

1. Touch  **Play Store**.
2. Browse applications by category or touch  **Search** to search with a keyword.
3. Select an application to view information. To download it, touch **INSTALL**. If there is a charge for the application, touch the price, and follow onscreen instructions to complete the purchase process.

Note: When a new version is available for any installed application, an update icon appears at the top of the screen to alert you to the update. Open the Notification Panel and touch the icon to update the application.

Note: To install applications that you downloaded from other sources, on a Home screen, touch  **Apps** →  **Settings** → **General** tab → **Security** → **Unknown sources**.

Uninstalling Applications

To uninstall applications purchased from Play Store:

- Touch  **Play Store** and then touch  **My apps**, select an application to delete in the list of installed applications, and then touch **UNINSTALL**.

Updates to Downloaded Apps

You can check for new versions of applications by visiting the Google Play Store. Items that have a new version available will say **Update**.

You can also select apps that you would like to be updated automatically. To do this:

1. Touch  **Play Store** and then touch  **My apps**.
2. Touch the **INSTALLED** tab to list the Play Store apps installed on your device.

UPDATE is displayed if there is an update available for the app.

3. Touch an app and then touch  **Menu** → **Settings** → **Auto-update apps** to enable or disable automatic updating.
4. Touch **OPEN** to open the app on your device.
5. Touch **UPDATE** to immediately update the app on your device.

Remote PC

Remotely access and control your computer via the Internet.

Note: This app requires a Samsung account.

- Touch  **Remote PC**.

S Note

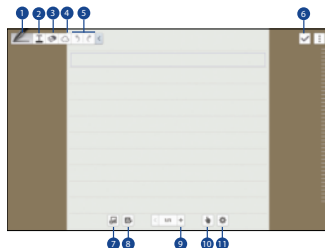
Use this application to create a note using multimedia files or voice recordings.

- Touch  **S Note**.

Creating Notes

When running S Note for the first time:

1. Touch **Start** to set the default covers and a template.
2. Follow the onscreen instruction to complete the setup.



Composing Notes

Create notes with enriched content by drawing sketches with your finger or S Pen, or by adding multimedia files or voice memos.

1. Handwriting mode.
2. Text mode
3. Erase mode.
4. Selection mode.
5. Undo/redo the last action.
6. Save.
7. Insert a multimedia file.
8. Magnify the note pad.

9. Add another page.
10. Switch to S Pen only mode or S Pen and finger mode.
11. Change page options:
 - **Edit tags:** Edit the tags for the note.
 - **Edit index:** Edit the index for the note.
 - **Change background:** Change the background image.
 - **Show/hide gridlines:** Display gridlines.

When using the templates that have image frames:

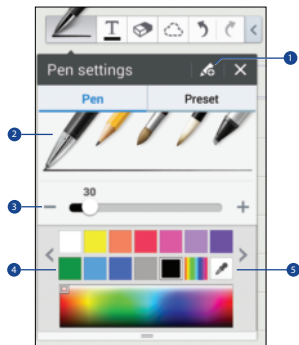
- Touch and hold an image frame, and then touch **Take picture** or **Images** to add an image.

To delete a frame:

- Touch and hold the frame, and then touch **Delete**.

When jotting down a note:

- Touch  once more to change the pen type, line thickness, or pen color.



1. Save the current setting as a pen profile.
2. Change the pen type.
3. Change the line thickness.
4. Change the pen color.
5. Add a new color based on the color picker.

When erasing the handwritten note:

- Touch , and then touch  to change the eraser size or touch **Clear all** to clear the note

To zoom in or out:

- On the screen, spread two fingers apart or pinch them.

To set page options, touch  **Page options**. The following options display:

Inserting Multimedia Files

- Touch  to insert images, videos, voice memos, and more.

Making a Table

1. Touch  → **Easy chart** → **Table**, set the number of rows and columns for the table, and then touch **Done**.
2. To enter data in the table, touch a table cell.
3. To add or delete columns, touch  **Menu** → **Add column** or **Delete column**.
4. To add or delete rows, touch  **Menu** → **Add row** or **Delete row**.

Making a Chart

- To make a chart, touch  → **Easy chart**, and then select a chart type. Then, draw bars, lines, or dividers on the chart.
- To make a chart from the data in the table, touch and hold the table, touch **Edit chart** → , and then select a chart.

Editing a Chart

- To edit a chart, touch the chart or table → **Edit chart**, and then use the following options:
 - Touch  to change the chart type.
 - Touch an item, and touch , and then write values, to correct with your finger or the S Pen.

Note: The available options may vary depending on the chart type.

Using Idea Sketch

- Touch  → **Idea Sketch**, and then write a keyword or select category to search for images.
To add your own sketches to the list, touch  **Create**, and then draw an image in the sketch panel.

Viewing Note Pages

When viewing pages, touch  **Menu** to use the following options:

- **Add page:** Add a new page.
- **Add template:** To change the page template.
- **Edit pages:** Copy pages from other notes.
- **Delete page:** To delete the page.
- **Record sketching:** Record your sketching for later playback.
- **Hide tools:** Hide the drawing tools.
- **Save as:** Save the note with a different name.

Viewing Pages Preview

1. Drag downward on a note to preview its pages.
2. Touch  on the note cover to access the following options:
 - **Delete:** Delete the note.
 - **Share via:** Share the note with others.
 - **Export:** Export the note as an image file or a PDF file.
 - **Rename:** Rename the note.
 - **Edit cover:** Change the note cover.

- **Add to Favorites:** Add the note to the favorites list.
- **Lock:** Lock the note so that others cannot view it.
- **Add shortcut to home:** Add a shortcut to the note on the Home screen.

Searching for Notes

Use this feature to search for a note by entering search criteria, such as names, tags, text, or handwritten words.

- Touch  **Search**, touch the Search field at the top of the screen, and use the onscreen keyboard to enter search criteria.

S Voice

Use this application to command the device by voice to dial a number, send a message, write a memo, and more.

- Touch  **Google folder** →  **S Voice**.
– or –
Press  **Home** twice.

Here are several examples of spoken commands:

- “Open music”
- “Launch calculator”
- “Check schedule”

Tips for better voice recognition:

- Speak clearly.
- Speak in quiet places.
- Do not use offensive or slang words.

The device may not recognize your commands or may perform unwanted commands depending on your surroundings or how you speak.

Using Wake-Up Commands on the Locked Screen

On the locked screen, you can use various functions with preset wake-up commands.

To activate this feature:

1. From a Home screen, touch  **Apps** →  **Settings** → **Device** tab → **Lock screen**.
2. Touch the **OFF / ON** button to turn Wake up in lock screen ON .

To set a function and wake-up command:

1. From a Home screen, touch  **Apps** →  **Settings** → **Device** tab → **Lock screen**.
2. Touch **Wake up in lock screen**.

3. Select a number and function, and then touch  to set the wake-up command.

Samsung Apps

Use this application to purchase and download dedicated Samsung applications.

For more information, visit samsungapps.com.

- Touch  **Samsung folder** →  **Samsung Apps**.

Note: This application may not be available depending on the region or your service provider.

Installing Applications

1. Browse applications by category. Touch **CATEGORY** to select a category.
2. To search for an application, touch  **Search** at the top of the screen, and then enter a keyword in the search field.
3. Select an application to view information. To download it, touch **Free** or the price.

Samsung Hub

Use this application to purchase and download multimedia content. You can also manage the content on the device.

- Touch  **Samsung** folder →  **Samsung Hub**.

Samsung Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Samsung Hub.
- Media Content that is purchased and downloaded may be viewed concurrently on up to five (5) devices with Samsung Hub (or “the service”) that are also registered to the same account.
- You may remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you’d like. You will have the ability to re-download the Media Content later subject to content re-download availability and content provider permissions.
- You may need network coverage to access Media Content you have acquired through the Service.
- You can use 3G, 4G, or Wi-Fi connectivity to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account at a time.
- Media Content is downloaded and saved to your authorized device's SD card. No SD Card included out of box.
- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching Media Content within the time limit set out for each piece of content (which may be as short as 24 consecutive hours).
 - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.
 - In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).

Unless otherwise restricted by the Content Providers, you can download Media Content to your TV using HDMI connections; otherwise, you cannot play Media Content downloaded from your mobile device output. (4/1/2013)

Scrapbook

Use this application to create your own digital scrapbook with content from web pages, videos and more.

- Touch  **Samsung** folder →  **Scrapbook**.

Creating Categories

- Touch  **Categories** → **Create category**, select a layout from the list, enter a name, and then touch **OK**.

Collecting Items

- While viewing web pages, or videos, with the S Pen button pressed, draw a line around an area to select it. Touch **Scrapbook** from the list of applications that appears at the bottom of the screen, and then select a category to add the selected area.
- Alternatively, press the S Pen button while hovering over the screen, touch **Scrap booker** on the general air commands, draw a line around an area, and then touch ✓.

Viewing Items

- Select a category, and then select an item. While viewing an item, touch **Link** to go to the source it was collected from.

Screen Saver

When your tablet screen automatically times out, instead of a blank screen, enable the Galaxy Note Pro Screen Saver, which is actually an action-packed video tour of all the fantastic features that you will find on your Galaxy Note Pro.

1. Touch  **Screen Saver**.

The Galaxy Note Pro 12.2 Screen Saver Settings screen displays.

2. Follow the onscreen instructions to set up Screen Saver.

Tip: Touch  **Back** to stop the Screen Saver video even if Enable Touch To Stop is enabled.

Settings

Configure your device to your preferences.

- Touch  **Settings**.

For more information, refer to “Settings” on page 122.

SideSync 3.0

SideSync is a new PC-Mobile solution that enables the screens, windows, and data to be shared easily between a PC and Samsung Android Device.

- Touch  **Samsung** folder →  **SideSync 3.0**.

SketchBook for Galaxy

Use this application to create a quick concept or sketch out your idea for a project.

- Touch  **Samsung** folder →  **SketchBook** for Galaxy.

For more information, refer to “SketchBook for Galaxy” on page 65.

Twitter

Get real-time stories, pictures, videos, conversations, ideas, and inspiration all in your time line. Follow people and your interests to get unfiltered access and unique behind-the-scenes perspectives. Express yourself with photos, videos and comments.

- Touch  **Twitter.**

Video

Use this application to play video files.

- Touch  **Video.**

For more information, refer to “*Video*” on page 78.

Voice Search

Use this application to search web pages by speaking.

1. Touch  **Google** folder →  **Voice Search.**
2. Speak a keyword or phrase when **Speak now** appears on the screen.

WatchON

Enjoy all of your favorite movies and TV shows with WatchON.

- Touch  **WatchON.**

For more information, refer to “*WatchON*” on page 66.

WebEx

Schedule, host, and attend meetings. View shared content and see who is in the meeting. Meet face-to-face with two-way video. Join Cisco WebEx Training Center meetings.

- Touch  **WebEx.**

World Clock

Use this application to check the time of many major cities in the world.

- Touch  **World Clock**.

Creating Clocks

- Touch , **Add city** and then enter a city name or select a city from the cities list or globe, and then touch  **Save**.
- To apply summer time, touch and hold a clock, and then touch **DST settings**.

Deleting Clocks

- Touch and hold the clock, and then touch  **Delete**.

YouTube

Watch videos from the YouTube website.

- Touch  **YouTube**.

For more information, refer to “*YouTube*” on page 80.

Section 9: Settings

About Settings

Use this application to configure the device, set application options, and add accounts.

Accessing Settings

- From a Home screen, touch  →  **Settings**.
– or –

From any screen, touch the top of the screen and swipe downward, to display the Notification Panel, and then touch  **Settings**. For more information, refer to “*Notification Panel*” on page 32.

The Settings screen displays.

Settings Tabs

The Settings are divided into four main groups. When the Settings screen displays, the following four tabs are located at the top of the screen.

Connections

Control your device’s wireless connections. For more information, refer to “*Connections*” on page 123.

Device

Personalize your device, including sounds and the display, accessibility, and input. For more information, refer to “*Device*” on page 129.

Controls

Access settings to configure Language and input, Voice control, S Pen, Motions, Palm motion, and Smart screen. For more information, refer to “*Controls*” on page 141.

General

Create and modify your accounts (such as, Email, Google Account, Samsung Account, and so on). Manage security, location services, storage, and other features of the device. For more information, refer to “*General*” on page 148.

The Settings Screen

Some options are enabled or disabled by touching the **OFF / ON** button to turn the option ON  or OFF . For some options, you must touch the field, such as Wi-Fi, to display and set more options.

Some options are enabled or disabled by touching a check box. When enabled, a  check mark displays. Touch the check mark to remove it and disable the option.

Connections

Control your device's wireless connections.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks. Your device supports Wi-Fi 802.11 a/b/g/n/ac.

For more information about using your device's Wi-Fi features, see *"Wi-Fi"* on page 81.

Wi-Fi Direct Settings

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection. for more information about using Wi-Fi Direct, see *"Wi-Fi Direct"* on page 84.

Bluetooth

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet.

For more information about using Bluetooth, see *"Bluetooth"* on page 85.

Airplane Mode

Airplane mode allows you to use many of your tablet's features, such as the camera, music and video apps, etc. when you are in an airplane or in any other area where accessing data networks is prohibited.

Important! When your tablet is in Airplane mode, it cannot access online information or applications.

- Press and hold the **Power/Lock Key** then touch **Airplane mode**.

– or –

Touch the top of the screen and swipe downward, to display the Quick Settings, and then touch **Airplane mode**.

For more information, refer to “*Notifications*” on page 32.

– or –

Touch  **Settings** → **Connections** tab →

Airplane mode, and then touch the **OFF / ON** button to turn Airplane mode ON ☐ ☒.

Data Usage

View your Wi-Fi data usage.

1. From the **Settings** screen, touch **Connections** tab → **Data usage**.
2. Touch the **Data usage cycle** drop-down menu and select a date.

The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of data usage by application.

- Slide the vertical bars over the graphic to adjust the date.

Note: Data is measured by your device. Your service provider may account for data usage differently.

3. Touch  **Menu** for options:
 - **Auto sync data:** Automatically sync data. Disabling auto sync will reduce data usage and conserve battery power, but notifications and updates will need to be manually synchronized.
 - **Mobile hotspots:** Display all mobile hotspots near you.

Location

You must enable location services on your device for apps (such as Google Maps) to use your location.

Note: Some apps may require one or more location services be turned on for full functionality.

1. From the **Settings** screen, touch **Connections** tab → **Location**.
2. Touch the **OFF / ON** button to turn Location services ON .
3. Touch **Mode** to select how your location is determined:
 - **High accuracy:** Use GPS, Wi-Fi, and mobile networks.
 - **Power saving:** Use Wi-Fi and mobile networks (no GPS).
 - **GPS only:** Use GPS only.
4. Apps that have requested your location are listed under *Recent location requests*. Touch an entry to view its settings.

Location Reporting

Google uses Location Reporting to store and use your device's most recent location data. Google apps, such as Google Maps, can use this data to improve your search results based on places that you have visited.

To manage your Location Reporting settings:

1. From the **Settings** screen, touch **Connections** tab → **Location**.
2. Touch the **OFF / ON** button to turn Location services ON .
3. Touch **Google Location Reporting** for options:
 - **Location Reporting:** Allow Google apps to use your device's most recent location data. Touch the **OFF / ON** button to turn Location Reporting ON .
 - **Location History:** Allow Google to store a history of your location data. Touch the **OFF / ON** button to turn Location History ON . Touch **DELETE LOCATION HISTORY** to permanently delete your location history.

My Places

You can save your favorite locations for use with services that require location information. This information can improve your search results and other location-related activities.

1. From the **Settings** screen, touch **Connections** tab → **Location**.
2. Touch the **OFF / ON** button to turn Location services ON .
3. Touch **My places**.
4. Touch a category (Home, Office, or Car) to add a location:
 - Touch **Select method** to select how your location is determined for that particular place.
 - Touch **Save**.
5. Touch  **Add** to add additional categories.
6. Touch  **Menu** → **Delete** to delete a custom category.

Note: Home, Office, and Car cannot be deleted.

More Networks

This option displays additional Connectivity information.

- From the **Settings** screen, touch **Connections** → **More networks**.

The following options display.

Printing

To manage your printers:

1. From the **Settings** screen, touch **Connections** tab → **More networks** → **Printing**.
2. Touch a print service to configure.

VPN

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Adding a VPN

Note: You must set a screen lock PIN or password before setting up a VPN. For more information, refer to “*Screen Security*” on page 133.

1. From the **Settings** screen, touch **Connections** tab → **More networks** → **VPN**.
2. Touch **Add**.
3. Enter the information provided by your network administrator.
4. Touch **Save** to save your VPN settings.

Connecting to a VPN

1. From the **Settings** screen, touch **Connections** tab → **More networks** → **VPN**.
2. Touch the VPN to which you want to connect.
3. In the pop-up window, enter any requested credentials.
4. Touch **Connect**.

Edit or Delete a VPN

1. From the **Settings** screen, touch **Connections** tab → **More networks** → **VPN**.
2. Touch and hold the VPN that you want to edit or delete.
3. In the pop-up window, touch:
 - **Edit network**, make the desired VPN setting changes, and touch **Save**.
 - or –
 - **Delete network** to delete the VPN.

VPN Options

- Touch  **Menu** → **Always-on VPN** to select a VPN profile to always stay connected.

Ethernet

Manage your ethernet connection and ethernet device.

1. From the **Settings** screen, touch **Connections** tab → **More networks** → **Ethernet**.
2. Touch **Ethernet** and follow the onscreen instructions to connect to an ethernet network.

Nearby Devices

This option allows you to share your media files with nearby DLNA (Digital Living Network Alliance) enabled devices.

Warning! If file sharing is enabled, other devices can access your data. Use this option with care.

1. From the **Settings** screen, touch **Connections** tab → **Nearby devices**.
2. Touch the **OFF / ON** button to turn Nearby devices ON .

The device name displays under Device name.

3. In the Advanced section, set the following options:

- **Shared contents:** Select the content to share. Choices are: Videos, Photos, and Music.
- **Allowed devices list:** Indicate the devices accessible to your device.
- **Not-allowed devices list:** Indicate the devices not accessible to your device.
- **Download to:** Set whether to download data to Device or SD card.
- **Upload from other devices:** If a nearby device attempts to upload data, this setting indicates the response. Options are: Always accept, Always ask, and Always reject.

Screen Mirroring

To share your device's screen with another device, enable Screen Mirroring.

1. From the **Settings** screen, touch **Connections** tab → **Screen Mirroring**.
 2. Touch the **OFF / ON** button next to **Share your device's screen with another device** to turn Screen Mirroring ON .
- Available devices are listed.
3. Touch **Scan** to find more devices.

Touch  **Menu** → **Help** to for more information.

Device

This section of the Settings screen contains settings for your device.

Sound

Volume

Set the volume level for all types of sounds.

1. From the **Settings** screen, touch **Device** tab → **Sound** → **Volume**.
2. Touch and drag the sliders to set the volume for:
 - **Music, video, games and other media**: Sounds made by music apps, video apps, and more.
 - **Notifications**: Sounds for alerts to new messages and other events.
 - **System**: Application sounds and other sounds made by your device.

Tip: You can also set System volume from a Home screen by pressing the **Volume Key**.

Vibration Intensity

Select how intense the vibration is for different options.

1. From the **Settings** screen, touch **Device** tab → **Sound** → **Vibration intensity**.
2. Touch and drag the sliders to adjust the vibration intensity for **Notification** and **Haptic feedback**.

Notifications

Select a default ringtone for message, alarm, and other notifications.

1. From the **Settings** screen, touch **Device** tab → **Sound** → **Default notification sound**.
2. Touch a ringtone to hear a sample and select it.

System

Set touch screen sounds, screen lock sounds, and haptic feedback.

- From the **Settings** screen, touch **Device** tab → **Sound**.
The following options are available:
 - **Touch sounds:** Play a sound when you touch the screen.
 - **Screen lock sound:** Play a sound when your screen is locked or unlocked.
 - **Haptic feedback:** Vibrate when soft keys are tapped and for certain software actions.
 - **Pen attach/detach sound:** Set the sound that is made when the pen is attached or detached from your tablet. Choices are: Off, Sound1, Sound2, or Sound3.

Samsung Applications

Set your applications' notification sound settings.

- From the **Settings** screen, touch **Device** tab → **Sound**.
- 3. The following options are available:
 - **Email**: Touch an account to adjust its notification settings.
 - **S Planner**: Configure your event notifications.

Samsung Keyboard

Set the keyboard sounds.

- From the **Settings** screen, touch **Device** tab → **Sound**.
The following options are available:
 - **Key-tap sound**: Enable auditory feedback when you touch an onscreen key.
 - **Key-tap vibration**: Enable the device to vibrate when you touch an onscreen key.

HDMI

Set the HDMI (High-Definition Multimedia Interface) audio setting.

1. From the **Settings** screen, touch **Device** tab → **Sound** → **Audio output**.
2. Touch **Stereo** or **Surround** to set the audio output.

More Settings

Find the best sound and audio settings for you.

1. From the **Settings** screen, touch **Device** tab → **Sound** → **Adapt Sound**.
2. Read the instructions and touch **Start** when you are ready to begin.

Display

Use the Display settings to configure the way your device's screen operates.

- From the **Settings** screen, touch **Device** tab → **Display**.

The following options are available:

- **Brightness**: Touch and drag the slider to set the brightness or touch **Automatic brightness**.
- **Screen timeout**: Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).
- **Touch key light duration**: Set the duration for the touch button backlight.
- **Screen mode**: Select a screen mode from the following:
 - **Adapt display**: Use this mode for optimizing the display according to the display settings.
 - **Dynamic**: Use this mode to make the display tone more vivid.

- **Standard**: Use this mode for normal surroundings.
- **Movie**: Use this mode for dim surroundings, such as in a dark room.
- **Reading mode**: Use Reading mode to optimize the screen for reading from selected applications. Touch the **OFF / ON** button to turn Reading mode ON . Touch **Edit** to add more applications.
- **Daydream**: Set the device to launch a screen saver when your device is connected to a desktop dock or charging. Touch the **OFF / ON** button to turn Daydream ON . Touch **Daydream** for additional options.
- **Show battery percentage**: Set the device to display the remaining battery life on the Status Bar.

Multi Window

Set the device to use Multi window.

1. From the **Settings** screen, touch **Device** tab → **Multi window**.
2. Touch the **OFF / ON** button to turn Multi window ON .
3. Touch **Open in multi window view** to automatically view content in a multi window when you open files from My Files or Video, or attachments from email and messages.

For more information, refer to “*Multi Window*” on page 29.

Lock Screen

Screen Security

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see “*Securing Your Device*” on page 10.

1. From the **Settings** screen, touch **Device** tab → **Lock screen**.
2. Touch **Screen lock** for these settings:
 - **Swipe**: Swipe the screen to unlock it. This option provides no security.
 - **Signature**: Register and use your signature to unlock the screen.
 - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device.
 - **PIN**: Select a PIN to use for unlocking the screen.
 - **Password**: Create a password for unlocking the screen.
 - **None**: Do not lock the screen.

Note: Additional options are available based on the Screen lock selected.

Swipe Options

The options are available when Swipe is selected:

- **Lock screen card:** Display up-to-date information on your lock screen such as weather and news.
- **Clock widget options:** Set the size of the Clock widget that is displayed on your Home screens, and whether to show the date.
- **Shortcuts:** Set shortcuts to appear at the bottom of the Lock screen.
- **Personal message:** Display a personal message.
- **Owner Information:** Show owner information on the lock screen.
 - Touch **Owner information** and then touch **Show owner info on lock screen** to enable or disable the option.
 - Touch the text field and enter the owner information to display.
- **Unlock effect:** Set the effect you receive when unlocking the tablet. You can select None, Watercolor, or Ripple.
- **Ink effect:** Set the color of the ink effect used with the S Pen on the Lock screen.
- **Wake up in lock screen:** Unlock the screen using wake-up command when swipe or motion lock is enabled.

- **Action Memo on lock screen:** Set the device to launch action memo when you double-tap the locked screen with the S Pen button pressed.
- **Help text:** Show help information on the Lock screen.

Signature Options

The options are available when Signature Unlock is selected:

- **Lock screen card:** Display up-to-date information on your lock screen such as weather and news.
- **Clock widget options:** Set the size of the Clock widget that is displayed on your Home screens, and whether to show the date.
- **Personal message:** Display a personal message.
- **Owner Information:** Show owner information on the lock screen.
 - Touch **Owner information** and then touch **Show owner info on lock screen** to enable or disable the option.
 - Touch the text field and enter the owner information to display.
- **Make signature visible:** Display your signature.
- **Accuracy level:** Set the accuracy level required for your signature to be recognized.
- **Lock automatically:** Set how quickly to lock the screen after the screen automatically turns off.

- **Lock instantly with power key:** Use this option to enable the Lock screen when the Power Key is pressed. If this option is not enabled, the screen dims or brightens when the Power Key is pressed.
- **Action Memo on lock screen:** Set the device to launch action memo when you double-tap the locked screen with the S Pen button pressed.

Pattern Options

The options are available when Pattern is selected:

- **Lock screen card:** Display up-to-date information on your lock screen such as weather and news.
- **Clock widget options:** Set the size of the Clock widget that is displayed on your Home screens, and whether to show the date.
- **Personal message:** Display a personal message.
- **Owner Information:** Show owner information on the lock screen.
 - Touch **Owner information** and then touch **Show owner info on lock screen** to enable or disable the option.
 - Touch the text field and enter the owner information to display.
- **Make pattern visible:** See the pattern as you draw it.
- **Unlock effect:** Set the effect you receive when unlocking the tablet. You can select None, Watercolor, or Ripple.
- **Lock automatically:** Set how quickly to lock the screen after the screen automatically turns off.
- **Lock instantly with power key:** Use this option to enable the Lock screen when the Power Key is pressed. If this option is not enabled, the screen dims or brightens when the Power Key is pressed.
- **Action Memo on lock screen:** Set the device to launch action memo when you double-tap the locked screen with the S Pen button pressed.

PIN Options

The options are available when PIN is selected:

- **Lock screen card:** Display up-to-date information on your lock screen such as weather and news.
- **Clock widget options:** Set the size of the Clock widget that is displayed on your Home screens, and whether to show the date.
- **Personal message:** Display a personal message.
- **Owner Information:** Show owner information on the lock screen.
 - Touch **Owner information** and then touch **Show owner info on lock screen** to enable or disable the option.
 - Touch the text field and enter the owner information to display.
- **Lock automatically:** Set how quickly to lock the screen after the screen automatically turns off.
- **Lock instantly with power key:** Use this option to enable the Lock screen when the Power Key is pressed. If this option is not enabled, the screen dims or brightens when the Power Key is pressed.
- **Action Memo on lock screen:** Set the device to launch action memo when you double-tap the locked screen with the S Pen button pressed.

Password Options

The options are available when Password is selected:

- **Lock screen card:** Display up-to-date information on your lock screen such as weather and news.
- **Clock widget options:** Set the size of the Clock widget that is displayed on your Home screens, and whether to show the date.
- **Personal message:** Display a personal message.
- **Owner Information:** Show owner information on the lock screen.
 - Touch **Owner information** and then touch **Show owner info on lock screen** to enable or disable the option.
 - Touch the text field and enter the owner information to display.
- **Lock automatically:** Set how quickly to lock the screen after the screen automatically turns off.
- **Lock instantly with power key:** Use this option to enable the Lock screen when the Power Key is pressed. If this option is not enabled, the screen dims or brightens when the Power Key is pressed.
- **Action Memo on lock screen:** Set the device to launch action memo when you double-tap the locked screen with the S Pen button pressed.

Wallpaper

You can choose a picture to display on the Home screen, Lock screen, or on both the Home and Lock screens. Choose from preloaded wallpaper images or select a photo you have downloaded or taken with the Camera.

1. From the **Settings** screen, touch **Device** tab → **Wallpaper**.
2. Touch **Home Screen**, **Lock screen**, or **Home and lock screens**.

The Select wallpaper from screen displays the following options: **Gallery**, **Live wallpapers** (Home screen only), **Photos** (Home screen only), and **Wallpapers**.

For more information, refer to “*Wallpapers*” on page 36.

Font

Set the font for screen displays and the size you want it to display.

1. From the **Settings** screen, touch **Device** tab → **Font**.
2. Touch **Font style** and select a font or touch **Download** to browse and download a new font.
3. Touch **Font size** and select a font size.

Notification Panel

Customize the Notification Panel.

1. From the **Settings** screen, touch **Device** tab → **Notification panel**.
2. Touch **Brightness and volume** to create a check mark if you want to be able to adjust the screen brightness and volume from the Notification Panel.
3. Touch the **OFF / ON** button to turn Recommended apps ON  to show recommended apps on the Notification Panel after certain actions, such as connecting earphones. Touch **Recommended apps** for options:
 - **Earphones:** Touch  to select which apps to display on the Notification Panel when you insert earphones.
4. To customize which quick setting buttons appear at the top of the Notification Panel, touch and drag buttons to reorder them. Touch  use the default layout.

For more information, refer to “*Notification Panel*” on page 32.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Note: You can download accessibility applications from the Google Play and manage their use here.

1. From the **Settings** screen, touch **Device** tab → **Accessibility**.
2. Configure the following settings:
Accessibility
 - **Auto rotate screen:** Set the screen orientation to automatically change when you rotate the device. When this option is not checked, the screen orientation locks in the current orientation (landscape or portrait) and the orientation does not change when you rotate the device.

Tip: From any screen, touch the top of the screen and swipe downward, to display the Notification Panel. Touch **Screen rotation** to enable or disable the auto rotate feature. For more information, refer to “*Notification Panel*” on page 32.

- **Screen timeout:** Select the screen delay time the screen delays shutting off after inactivity for the selected period of time.
- **Lock automatically:** This option only appears when certain Screen locks are enabled. For more information, refer to “Screen Security” on page 133.
- **Speak passwords:** Speaks passwords to enter them.
- **Easy touch mode:** Tap to stop/snooze alarms, calendar events, and timer alerts, and to accept/reject incoming calls.
- **Show shortcut:** Set this option to display an Accessibility shortcut on the Device options pop-up when you press and hold the power key.
- **Manage accessibility:** Save and update your accessibility settings or share them with another device. You can export your settings, import a previously saved file, or share your file with another device.

Services

- **TalkBack:** Activate the TalkBack feature, which speaks feedback aloud to help blind and low-vision users.

Important! TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

Vision

- **Font size:** Set the font size.
- **Magnification gestures:** Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen. Touch the **OFF / ON** button to turn the feature ON .
- **Negative colors:** Reverse the display of onscreen colors from White text on a Black background to Black text on a White background.

- **Color adjustment:** Adjust the color of the screen if you are color blind or have difficulty reading the display because of the screen color. Touch the **OFF / ON** button to turn the feature ON . Touch **Color adjustment** for options.
- **Notification reminder:** Play a beep when a notification for a call, message, and so on, has been missed. Touch the **OFF / ON** button to turn it ON .
- **Accessibility shortcut:** Quickly enable accessibility features in two quick steps. Touch the **OFF / ON** button to turn the feature ON .
- **Text-to-speech options:** Set your preferred TTS engine. Touch **Speech rate** to set the speed at which the text is spoken. Touch **Listen to an example** to play a short speech demonstration. For more information, refer to “Speech” on page 144.

Hearing

- **Sound balance:** Use the slider to set the Left and Right balance when using a stereo device.
- **Mono audio:** When Mono audio is enabled, you can listen through one earphone to mono audio sound.
- **Turn off all sounds:** Turn off all sounds including receiver voice.
- **Flash notification:** Set your camera light to blink whenever you receive a notification.
- **Google subtitles (CC):** Use Google subtitles with multimedia files when available. Touch the **OFF / ON** button to turn the feature ON . Touch **Google subtitles (CC)** for options.
- **Samsung subtitles (CC):** Use Samsung subtitles with multimedia files when available. Touch the **OFF / ON** button to turn the feature ON . Touch **Samsung subtitles (CC)** for options.

Mobility

- **Assistant menu:** Improve the device accessibility for users with reduced dexterity. Touch the **OFF / ON** button to turn the feature ON . Follow the onscreen instructions.
- **Press and hold delay:** Select a time interval for this gesture.

Recognition

- **Interaction control:** Enable or disable motions and screen timeout. You can also block areas of the screen from touch interaction. Touch the **OFF / ON** button to turn the feature ON . Follow the onscreen instructions.

Blocking Mode

Turn off notifications for selected features.

1. From the **Settings** screen, touch **Device** tab → **Blocking mode**.
2. Touch the **OFF / ON** button to turn Blocking mode ON .
3. Touch **Turn off notifications** to block all notifications.
4. Touch **Turn off alarm** to block all alarms.
5. The Set time option allows you to set Blocking mode for a specific time range or Always.
Touch the **Always** field to disable it and configure the **From** and **To** time fields.

Note: When Blocking Mode is enabled,  displays in the Status Bar.

Controls

Access settings to configure Language and input, Voice control, S Pen, Motions, Palm motion, and Smart screen.

Language and Input

Language

Set the language used by your device.

1. From the **Settings** screen, touch **Controls** tab → **Language and input** → **Language**.
2. Touch a language/locale from the list.

Keyboards and Input Methods

Set the keyboard used by your device.

1. From the **Settings** screen, touch **Controls** tab → **Language and input** → **Default**.
2. Select a keyboard.
Samsung keyboard is the only selection available for this device.
3. Touch **Set up input methods**.

Samsung Keyboard

1. From the **Settings** screen, touch **Controls** tab → **Language and input**.
2. Touch  next to Samsung keyboard to display the following options:
 - **Select input languages:** Used to set a default text entry language. Touch this field, scroll through the options, and touch the desired input language.
 - **Predictive text:** Allow Predictive text to suggest words matching your text entries, and, optionally, complete common words automatically. Touch the **OFF / ON** button to turn Predictive text ON . Touch **Predictive text** for options:
 - **Live word update:** Automatically update with popular new words every day.
 - **Personalized data:** Enter personalized data to improve prediction results.
 - **Learn from Facebook:** Log in to let your device learn your Facebook style.
 - **Learn from Gmail:** Log in to let your device learn your Gmail style.

- **Learn from Twitter:** Log in to let your device learn your Twitter style.
 - **Learn from Contacts:** Allow your device to learn your Contacts style.
 - **Clear remote data:** Delete your anonymous data stored on the personalization server.
 - **Clear personal data:** Remove all personalized data entered.
 - **Privacy Policy:** Read the privacy policy regarding Predictive Text and the use of your personalization data.
- **Auto replacement:** Complete or replace the word you are typing with the most probable word when you touch the space bar. Touch the **OFF/ON** button to turn it ON .
 - **Auto capitalization:** Automatically capitalize the first letter of sentences.
 - **Auto spacing:** Automatically insert spaces between words.

- **Auto punctuate:** Automatically insert a full stop by tapping the space bar twice.
- **Keyboard swipe:**
 - **None:** Disable the keyboard swipe feature.
 - **Continuous input:** Enter text by sliding your finger across the keyboard.
 - **Cursor control:** Slide your finger across the keyboard to move the cursor to begin entering text.
- **Key-tap feedback:**
 - **Sound:** Play sounds when a key is touched.
 - **Vibration:** Vibrate when a key is touched.
 - **Character preview:** Display the character in a bubble when you touch it on the keyboard.
- **More settings:**
 - **Pen detection:** Change to Handwriting recognition mode when the pen is detected.
 - **Help:** Access help information for using the Samsung keyboard.
 - **Reset settings:** Reset Samsung keyboard settings.

Google Voice Typing

1. From the **Settings** screen, touch **Controls** tab → **Language and input**.
2. Touch **Google voice typing** to automatically use Google voice typing.
3. Touch  next to Google voice typing.

The following options are available:

- **Choose input languages:** Select languages for Google voice typing. Touch **Automatic** to use the Default language exclusively, or choose other languages.
- **Block offensive words:** Hide words many people find offensive are in results of Google voice searches. Offensive words are replaced in results with a placeholder (#####).
- **Offline speech recognition:** Download and install speech recognition engines, allowing you to use voice input while not connected to the network, such as during Airplane mode. Touch the **All** tab to download speech recognition for other languages.

Handwriting Recognition

1. From the **Settings** screen, touch **Controls** tab → **Language and input**.
2. Under **Handwriting recognition**, touch **Language** to select a language for handwriting search.

Speech

Set voice search and text-to-speech options.

Voice Search

1. From the **Settings** screen, touch **Controls** tab → **Language and input**.
2. Touch **Voice search** to configure:
 - **Language**: Choose a language for your voice input.
 - **Speech output**: Always provides audible readout of text, only when using Hands-free functions, or never.
 - **Block offensive words**: Block recognized offensive words from the results of your voice-input Google searches.
 - **Hotword detection**: Say “Ok Google” to launch a voice search.

- **Offline speech recognition**: Enable voice input while offline. Touch the **All** tab to download speech recognition for other languages.
- **Bluetooth headset**: Record audio through a Bluetooth headset, if available.

Text-To-Speech Options

1. From the **Settings** screen, touch **Controls** tab → **Language and input**.
2. Touch **Text-to-speech options** and select the preferred TTS engine.
3. Touch  next to the preferred TTS engine and configure.
4. Under **General**, configure the following:
 - **Speech rate**: Set the speed at which the text is spoken.
 - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
 - **Default language status**: Display the default language in use.

Mouse/Trackpad

This option sets your Pointer speed.

1. From the **Settings** screen, touch **Controls** tab → **Language and input**.
2. To show more information when you move the pointer over items on the screen, touch the **OFF / ON** button to turn **Mouseover** ON ☐ ☒. Touch **Mouseover** for options:
 - **Preview and icons labels:** Show previews, progress information, speed dial information and icon labels.
 - **List scrolling:** Scroll down or up lists by holding the mouse pointer over the edge of the screen.
3. Touch **Pointer speed** and drag the slider to the right to go faster or to the left to go slower.

Voice Control

Set the device to recognize voice commands for controlling your device. You can select the features to control with voice commands.

1. From the **Settings** screen, touch **Controls** tab → **Voice Control**.
2. Touch the **OFF / ON** button to turn the feature ON ☐ ☒.
3. Touch the items you want to control. Choose from **Alarm**, **Camera**, and **Music**.

S Pen

Change the settings for using the S Pen.

- From the **Settings** screen, touch **Controls** tab → **S Pen**.

The following options display:

General

- **Turn off pen detection:** Set the screen not to respond when inserting or removing the S Pen.
- **Pointer:** Show the pointer when you hover the S Pen over the screen. Touch the **OFF / ON** button to turn the feature ON ☐ .
- **Direct pen input:** Launch handwriting pad when hovering the S Pen over a text input field. Touch **Direct pen input** for options.

Air view

- **Air view:** Show the S Pen pointer when the S Pen is hovering over the screen. Touch the **OFF / ON** button to turn the feature ON ☐ . Touch **Air view** to select what will be shown when you hover your pen over an item on the screen: Information preview, Progress preview, Icon labels, and List scrolling.

- **Air command:** While hovering over an item with the S Pen, press the pen button to display a list of options for the item or general air commands. Touch the **OFF / ON** button to turn the feature ON ☐ .
- **Sound and haptic feedback:** Set the device to make a sound and vibrate when pointing at items with the S Pen.

Pen detachment

- **Pen detachment options:** Launch action memo or air command when the S Pen is pulled out of the slot.
- **Pen attach/detach sound:** Emit a sound when the S Pen is inserted into, or pulled out of, the slot.

Motions

Activate the motion recognition feature and change the settings that control motion recognition on your device.

1. From the **Settings** screen, touch **Controls** tab → **Motions**.
2. Touch the **OFF / ON** button to turn the feature ON .
3. Configure the following options (touch each option for details):
 - **Zoom**: Zoom in or out while viewing images in Gallery or browsing web pages, when you touch and hold two points with your fingers and then tilt the device back and forth.
 - **Browse an image**: Set the device to scroll through an image by moving the device in any direction when the image is zoomed in.

Palm Motion

Activate the palm motion feature to control the device by touching the screen with the palm of your hand.

1. From the **Settings** screen, touch **Controls** tab → **Palm motion**.
2. Touch the **OFF / ON** button to turn the feature ON .
3. Configure the following options (touch each option for details):
 - **Capture screen**: Capture an image of the screen when you sweep your hand left or right across the screen.
 - **Mute/pause**: Set the device to pause media playback when you touch the screen with your palm.

Smart Screen

Use the Smart screen options to customize your screen settings to make the screen more responsive and easier to use.

- From the **Settings** screen, touch **Controls** tab → **Smart screen**.

The following options display:

- **Smart stay:** Set the screen to stay on as long as you look at it.
- **Smart rotation:** When enabled, disables the auto screen rotation by checking the orientation of your face and the device.
- **Smart pause:** Pause video playback when the device detects that you are facing away from the screen.

General

Create and modify your accounts (such as, Email, Google Account, Samsung Account, and so on). Manage security, location services, storage, and other features of the device.

Accounts

Set up and manage accounts, including your Google Accounts, Samsung accounts, and email accounts.

Your device can synchronize information from a variety of accounts, including Email, Facebook, Google, and your Samsung account. Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

With synchronization, you can ensure that the information on your device is updated with any information that changes in your accounts.

Adding an Account

1. From the **Settings** screen, touch **General** tab → **Accounts** → **Add account**.
2. Touch one of the account types.
3. Follow the prompts to enter your credentials and set up the account.

Tip: For more information about the types of accounts that you can add, see “Accounts” on page 43.

Managing Accounts

To view the accounts you have added:

1. From the **Settings** screen, touch **General** tab → **Accounts** → (*account*).
The (*account*) is either Google, Samsung account, or some other account you have added, such as Email.
2. Touch  **Menu** → **Sync all** to synchronize all accounts listed. Touch  **Menu** → **Cancel sync** to stop the synchronization.

3. Touch an account to view the sync settings for that account.
 - Touch  **Menu** → **Sync now** to synchronize all data for the selected account.
 - or –
 - Touch the account data to synchronize, such as, Calendar, Contacts, and so on.
 - To remove the account, touch  **Menu** → **Remove account** and then touch **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.
4. For Google Accounts, touch one of the items listed under Privacy to view various settings for that item.
 - or –
 - For Samsung accounts, touch **Account settings** to manage Samsung account settings or **Backup** to set Samsung account back up and restore options.
 - or –
 - For Email accounts, touch **Settings** to manage various settings for that account.

Cloud

Back up your personal data using your Samsung Account or use Dropbox to sync your device content.

1. From the **Settings** screen, touch **General** tab → **Cloud**.

2. Under **Personal data management**:

If you have not signed in to your Samsung Account, touch **Add account**. For more information about Samsung accounts, see “*Sign In to Your Samsung Account*” on page 160.

If you have signed in to your Samsung Account:

- Touch your Samsung Account to manage your sync settings or remove your Samsung Account.
- Touch **Storage usage** to show the storage used and the remaining storage available.

- Touch **Sync settings** to sync your calendar, contacts, Internet, S Note, and Scrapbook settings with your Samsung Account.

- Touch **Backup** to manage your back up and restore options.

- Touch **Restore** to retrieve data from your Samsung account.

3. Under **Content sync (with Dropbox)**:

- If you have not signed in to your Dropbox account, touch **Link Dropbox account**.
- If you have signed in to your Dropbox Account, then follow the prompts to set up and use Dropbox.

For more information, refer to “*Dropbox*” on page 101.

Backup and Reset

Back up your data to the Google server and reset your device to its factory defaults.

Backup and Restore

To enable or disable backup of your information to the Google server.

1. From the **Settings** screen, touch **General** tab → **Backup and reset**.
2. Touch **Back up my data** to enable or disable back up of application data, Wi-Fi passwords, and other settings to the Google server.
Once the **Back up my data** option is enabled, then the **Backup account** and the **Automatic restore** options are available.
3. Touch **Backup account** and touch your Google Gmail account or touch **Add account** to set your Google Gmail account to be backed up to the Google server.
4. Touch **Automatic restore** to enable automatic restoration of settings from the Google server. When enabled, backed-up settings are restored when you reinstall an application.

Factory Data Reset

Reset to return your device to its factory defaults.

Warning! This action permanently erases **ALL** data from the device, including Google or other email account settings, system and application data and settings, and downloaded applications, as well as your music, photos, videos, and other files.

If you reset the tablet in this way, the next time you turn on your tablet you are prompted to reenter the same kind of information as when you first started Android.

1. From the **Settings** screen, touch **General** tab → **Backup and reset** → **Factory data reset**.
The Factory data reset screen displays reset information.
2. Touch **Reset device**, then follow the prompts to perform the reset.

Date and Time

By default, your device receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date & time settings.

1. From the **Settings** screen, touch **General** tab → **Date and time**.
2. Configure the following settings:
 - **Set date**: Enter the current date (only available when the Automatic setting is disabled).
 - **Set time**: Enter the current time (only available when the Automatic setting is disabled).
 - **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).
 - **Use 24-hour format**: Set the format for time displays.
 - **Select date format**: Set the format for date displays.

Accessory

To change accessory settings:

- From the **Settings** screen, touch **General** tab → **Accessory**.

HDMI

- **Audio output**: Select a sound output format to use when connecting your device to HDMI devices. Some devices may not support the surround sound setting.

Book cover

- **Automatic unlock**: Flip the cover open to unlock the screen when secure lock is turned off.
- **Daynote**: Show the quick note pad when the cover is flipped open.
- **Unit**: Set unit options.

Application Manager

You can download and install applications from Google Play or create applications using the Android SDK and install them on your device. Use Application manager settings to manage applications.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From the **Settings** screen, touch **General** tab → **Application manager**.
2. Touch **DOWNLOADED**, **SD CARD**, **RUNNING**, or **ALL** to display memory usage for that category of applications.

The graph at the bottom of the **DOWNLOADED** tab shows used and free device memory. The graph at the bottom of the **RUNNING** tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From the **Settings** screen, touch **General** tab → **Application manager**.
2. Touch **DOWNLOADED** to view a list of all the downloaded applications on your device.
3. To switch the order of the **DOWNLOADED** list, touch  **Menu** → **Sort by size** or **Sort by name**.
4. To reset your application preferences, touch  **Menu** → **Reset app preferences**.
5. Touch an application to view and update information about the application, including memory usage, default settings, and permissions.

The following options are displayed:

- **Force stop:** Stop an app that is misbehaving. Restart your device if stopping an app, process, or service causes your device to stop working correctly.

- **Uninstall:** Delete the application from the tablet.
For more information, refer to “Installing Applications” on page 116.
- **Move to SD card:** Move this app to your microSD card.
- **Clear data:** Clear application data from memory.
- **Clear cache:** Clear an app’s temporary memory storage.
- **Clear defaults:** Clear an app’s customization.
- **Permissions:** View information about the app’s access to your device and data.

SD Card

Displays apps you have downloaded onto your SD card.

1. From the **Settings** screen, touch **General** tab → **Application manager**.
2. Touch **SD CARD** to view a list of all the downloaded applications on your device.
3. To switch the order of the SD CARD list, touch  **Menu** → **Sort by size** or **Sort by name**.
4. To reset your application preferences, touch  **Menu** → **Reset app preferences**.

Note: When you Reset app preferences, you will not lose any app data.

5. Touch an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

1. From the **Settings** screen, touch **General** tab → **Application manager**.
2. Touch the **RUNNING** tab.
All the applications that are currently running on the device display.
3. Touch **Show cached processes** to display all the cached processes that are running. Touch **Show services in use** to switch back.

4. Touch one of the applications to view application information.

The following options display:

- **Stop:** Stops the application from running on the device. This is usually done prior to uninstalling the application.

Warning! Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.

- **Report:** Report failure and other application information.

Note: Options vary by application.

Default Applications

Set and manage your default applications.

1. From the **Settings** screen, touch **General** tab → **Default applications**.

2. Touch an app to set it as the default application.

– or –

Touch an app to remove it as the default application.

Users

You can share this tablet with multiple people by creating User accounts and Profiles.

- **Users** have their own space, which they can customize with their own apps, wallpaper, and so on. Users can also adjust tablet settings like Wi-Fi that affect everyone.
- **Profiles** are restricted User accounts that allow only limited access to apps and content.

Setting Up User Profiles

Set up user profiles and then select one when unlocking the device to use personalized settings. By setting up multiple user profiles, several users can share the device without affecting the personal settings of others, such as email accounts, wallpaper preferences, and more.

1. From the **Settings** screen, touch **General** tab → **Users** →  **Add user**.
2. Follow the onscreen instructions to set up a new user profile.

To access the device with a user profile, select a profile at the top right of the locked screen.



Tip: You can also switch between users by sliding down the Notification Panel and touching the current User.

Change User Account Nicknames and Photo IDs

Each user can set up their account nickname, which is displayed on the Lock screen as their User ID.

The photo each user uses in their personal Contact entry (listed under ME at the top of their Contacts list) is used as their User ID photo.

1. From the **Settings** screen, touch **General** tab → **Users**.
2. Touch the current User's profile.
3. Touch **Add another field** and then touch Nickname to check the box and add a Nickname field.
4. Touch **Nickname** and enter a new name.
5. Touch **Save**.

To change their ID photo, each user must edit their personal Contact entry's picture. For more information, refer to *"Updating Contacts"* on page 45.

Deleting a User or Profile

1. From the **Settings** screen, touch **General** tab → **Users**.
2. Touch the User profile, and then touch  **Delete user**.

Note: Only the Device Owner can delete other User accounts.

Battery

See how much battery power is used for device activities.

1. From the **Settings** screen, touch **General** tab → **Battery**.
The battery level displays as a percentage. The amount of time the battery has been used also displays.
Battery usage displays in percentages per application.
2. Touch **Screen**, **Android System**, or **Android OS** to view how the display and the Android system are affecting battery use.

Note: Other applications may be running that affect battery use.

3. Touch **Refresh** to update the listing.
4. Touch **Show battery percentage** to display the device battery status next to the battery icon.

Power Saving Mode

When enabled, your device automatically analyzes the screen and adjusts the brightness to conserve battery power.

1. From the **Settings** screen, touch **General** tab → **Power saving mode**.
2. Touch the **OFF / ON** button to turn the feature ON 
3. Turn Power saving on and touch the Power saving mode settings (**CPU power saving**, **Screen power saving**, or **Turn off haptic feedback**) to enable or disable them.
4. Touch **Learn about power saving** to display more information about conserving power.

Storage

View the device memory and usage, or mount, unmount, or format an optional memory card (not included).

Device Memory

1. From the **Settings** screen, touch **General** tab → **Storage**.

The Device memory displays as Total space, System memory, Used space, Cached data, Miscellaneous files, and Available space.

SD Card

Once a memory card has been installed in your device, the card memory displays as Total space and Available space.

Mounting an SD Card

When you install a memory card, it is automatically mounted (connected to the tablet) and prepared for use. However, should you unmount the card without removing it from the tablet, you will need to mount it before it can be accessed.

1. Install an SD card. For more information, refer to “*Installing a Memory Card*” on page 10.
2. From the **Settings** screen, touch **General** tab → **Storage**.
3. Touch **Mount SD card**.

Unmounting an SD Card

Important! To prevent damage to information stored on the memory card, always unmount the card before removing it from the device.

1. From the **Settings** screen, touch **General** tab → **Storage**.
2. Touch **Unmount SD card**.
3. At the prompt, select **OK** to safely unmount the memory card.

4. Remove the SD card from the slot. For more information, refer to “*Galaxy Tab Accessories*” on page 10.

Important! Unmounting an SD card will stop some applications from functioning. Applications may not be available until you mount the SD card again.

Removing a Memory Card

Important! To prevent damage to information stored on the memory card, unmount the card before removing it from the device.

1. From the **Settings** screen, touch **General** tab → **Storage**.
2. Under *SD card*, touch **Unmount SD card** and then touch **OK**.

3. Open the memory card slot cover and turn to expose the slot.
4. Gently press inward on the memory card so that it pops out from the slot, and carefully pull the card out.
5. Close the memory card slot cover.

Formatting an SD Card

When formatting an SD card you will want to backup your music and photo files that are stored on the card because formatting the SD card deletes all the stored data.

1. From the **Settings** screen, touch **General** tab → **Storage**.
2. Touch **Format SD card** and then touch **Format SD card** again on the warning screen.
3. Touch **Delete all**.

Security

Use the Security settings to secure your device.

Encryption

To require a numeric PIN or password to decrypt your tablet each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Encrypt device**. For more information, read the displayed help screen.
3. Touch **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent. Encryption takes an hour or more.

Find My Mobile

Use this option to allow your device to be locked and tracked, and for your data to be deleted remotely. You must sign up for a Samsung account and enable Google location service to use Remote controls.

Sign In to Your Samsung Account

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Remote controls**. Read the information and touch **OK** to acknowledge the information.
3. Touch **Add account** to create a Samsung account. For more information about Samsung accounts, see “*Your Samsung Account*” on page 44.

Enable or Disable Remote Controls

Once you have signed in to your Samsung Account, you can enable or disable Remote controls.

1. From the **Settings** screen, touch **General** tab → **Security** → **Remote controls**.

2. Enter your Samsung account password in the pop-up **Enter password** field and touch **Done**.

The Introduction to remote controls screen displays.

Touch **Do not show for 90 days** to temporarily disable this screen.

3. Touch **OK**.

The Remote controls screen displays.

4. Touch the **OFF / ON** button to turn the feature ON 

5. Touch **Use wireless networks** to enable location information using the wireless network.

Find My Mobile Web Page

To launch the Find My Mobile web page:

1. From the **Settings** screen, touch **General** tab → **Security** → **Go to the Find my mobile webpage**.

2. Select which application to launch the application. Touch **Internet** or **Chrome** and select **Always** or **Just once**.

The Find My Mobile webpage displays.

3. Follow onscreen instructions.

Passwords

When enabled, password characters display briefly as you touch them while entering passwords.

1. From the **Settings** screen, touch **General** tab → **Security**.

2. Touch **Make passwords visible** to enable the feature.

Device Administration

To add or remove device administrators:

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Device administrators**.

To enable or disable installation of non-Google Play applications.

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Unknown sources**.

An informational pop-up displays.

3. Read the message and touch **OK** to allow installation of non-Google Play applications.

Warning! Enabling this option causes your tablet and personal data to be more vulnerable to attack by applications from unknown sources.

4. To block or warn before installing apps that may cause harm, touch **Verify apps**.
5. Touch **Change security level** to modify the security level for credential files.

Security Update Service

To set security update service settings:

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Security policy updates** for these options:
 - **Automatic updates:** Automatically check for changes to the security policy and download any updates to improve security.
 - **Check for updates:** Check for updates manually.
3. Touch **Send security reports** to send security reports to Samsung via Wi-Fi for threat analysis.

Credential Storage

If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Storage type** to set a storage type for credential contents.

3. Touch **Trusted credentials**.

The trusted credentials screen has two tabs:

- **System**: Displays CA certificates that are permanently installed in the ROM of your device.
- **User**: Displays any CA certificates that you installed, for example, in the process of installing a client certificate.

4. Touch a CA certificate to examine its details.

A scrolling screen displays the details.

Scroll to the bottom of the details screen and touch

Turn off to disable a System certificate.

Caution! When you disable a system CA certificate, the **Turn off** button changes to **Turn on**, so you can enable the certificate again, if necessary.

Touch **OK** to return to the certificate list.

5. Touch **Install from phone storage**, then choose a certificate and follow the prompts to install encrypted certificates stored on the USB storage.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

6. Touch **Clear credentials** to erase the credential contents from the device and reset the password.

Note: This setting only appears if you have installed encrypted certificates.

About Device

View information about your device, including status, legal information, hardware and software versions, and battery use.

1. From the **Settings** screen, touch **General** tab → **About device**.
2. Touch items to view details:
 - **Software update**: Connect to the network and download new software updates for your device, if available.
 - **Status**: View Battery status, Battery level, IP address, Wi-Fi MAC address, Bluetooth address, Ethernet MAC address, Serial number, Up time, and Device status.

- **Legal information**: Touch an option to display Open source licenses, Google and Samsung legal information, and Privacy Alert.
- **Device name**: Enter the name for your device. The default is the model number: SM-P900.
- **Model number**: Display your device's model number.
- **Android version**: Display the firmware version of your device.
- **Kernel version**: Display the kernel version of your device.
- **Build number**: Display your device's build number.
- **SE for Android status**: Display Security Enhancements for Android status information.

Software Update

The Software Update feature enables you to use your device to connect to the network and download any new software directly to your device. The device automatically updates with the latest available software when you access this option.

Software Update Options

To register your device and check for a software update:

1. From the **Settings** screen, touch **General** tab → **About device** → **Software update**.
2. Touch **Update**.
Your device is connected to the server and a search is performed for a software update.
3. Touch **Auto update** to check for updates automatically.

Section 10: Health and Safety Information

This device is capable of operating in Wi-Fi™ mode in the 2.4 and 5 GHz bands. The FCC requires that devices operating within 5.15-5.25 GHz may only be used indoors, not outside, in order to avoid interference with Mobile Satellite Services (MSS). Therefore, this device is restricted from being used outdoors when operating in frequencies between 5.15-5.25 GHz.

This section outlines the safety precautions associated with using your Galaxy Tab. The terms “GALAXY” or “mobile device” are used in this section to refer to your Galaxy Tab.

Read this information before using your mobile device.

Exposure to Radio Frequency (RF) Signals

Although GALAXY is not a cell phone, it can operate on the same network as cell phones and can use the same Radio Frequency (RF) signals to communicate with the network as a cell phone. Therefore, although the following information refers specifically to RF exposure from wireless phones, it may apply similarly to GALAXY when it is being used on a cell phone network.

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by

mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules.

Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at

http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at

<http://www.ukcosmos.org/index.html>.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at

http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at

<http://seer.cancer.gov/>.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>.

- Environmental Protection Agency (EPA):
<http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/>.
(Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>.
- World Health Organization (WHO):
<http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>.
- Health Protection Agency:
<http://www.hpa.org.uk/Topics/Radiation/>.
- US Food and Drug Administration:
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>.

Specific Absorption Rate (SAR) Certification Information

Your wireless mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless devices to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the mobile device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the mobile device while operating can be well below the maximum reported value. This is because the mobile device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the mobile device.

Before a new model mobile device is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model mobile device are performed in positions and locations (e.g. near the body) as required by the FCC.

For typical operations, this mobile device has been tested and meets FCC SAR guidelines.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This tablet has a FCC ID number: A3LSMP900A [Model Number: SM-P900] and the specific SAR levels for this tablet can be found at the following FCC website: <http://www.fcc.gov/oet/ea/>.

The SAR information for this device can also be found on Samsung's website: <http://www.samsung.com/sar>.

SAR information on this and other model mobile devices can be accessed online on the FCC's website through <http://transition.fcc.gov/oet/rfsafety/sar.html>. To find information that pertains to a particular model mobile device, this site uses the mobile device FCC ID number, which is usually printed somewhere on the case of the mobile device.

Once you have the FCC ID number for a particular mobile device, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular mobile device. Additional SAR information can also be

obtained at

<http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones>.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be

determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving On the Road - Off the Tablet

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or using a mobile device - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired.** Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before using your device to chat with friends, consider your circumstances. Let the chat wait when driving conditions require. Remember, driving comes first, nothing else!

If you consider a chat necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your mobile device within easy reach;
- Chat when you are not moving;
- Plan chats when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the chat if necessary;
- Do not take notes or look up information while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as Web browsing or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to <http://www.ctia.org>.

Battery Use and Safety

The battery in GALAXY is not intended to be replaced by the consumer. If you believe the battery is damaged or needs to be replaced, take the GALAXY to a service center for inspection and replacement.

- **Do not let the GALAXY or battery come in contact with liquids.** Liquids can get into the GALAXY's circuits, leading to corrosion. Even when the GALAXY appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the GALAXY and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.

- **Do not place your battery in or near a heat source.** Excessive heating can damage the GALAXY or the battery and could cause the GALAXY or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your GALAXY in your car in high temperatures.
- **Caution: Some applications or prolonged usage may increase device temperature.** Prolonged skin contact with a device that is hot to the touch may produce skin discomfort or redness, or low-temperature burns. If the device feels hot to the touch, discontinue use and close all applications or turn off the device until it cools. Always ensure that the phone has adequate ventilation and air flow. Covering the device with bedding, your body, thick clothing or any other materials that significantly affect air flow may affect the performance of the phone and poses a possible risk of fire or explosion, which could lead to serious bodily injuries or damage to property.
- **Do not dispose of the GALAXY or the battery in a fire.** The GALAXY or the battery may explode when overheated.

- **Avoid dropping the GALAXY.** Dropping the GALAXY, especially on a hard surface, can potentially cause damage to the GALAXY. If you suspect damage to the GALAXY or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your GALAXY.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the GALAXY caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible batteries and chargers.** Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible batteries and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

For more information about recycling your GALAXY, go to: <http://mobile.samsungusa.com/recycling/index.jsp> or call 1-800-822-8837 for more information.

To find the nearest recycling location, go to:
www.samsung.com/recyclingdirect or call 1-877-278-0799.

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this mobile device has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

**FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY
LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE
PROPERTY DAMAGE.**

**IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE
INSTRUCTIONS.**

**DANGER - TO REDUCE THE RISK OF FIRE OR
ELECTRIC SHOCK, CAREFULLY FOLLOW THESE
INSTRUCTIONS.**

FOR CONNECTION TO A SUPPLY NOT IN NORTH
AMERICA, USE AN ATTACHMENT PLUG ADAPTOR
OF THE PROPER CONFIGURATION FOR THE
POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE
CORRECTLY ORIENTED IN A VERTICAL OR
HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

GPS

GALAXY can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless

network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Communication

GALAXY should not be relied upon for essential communications (medical emergencies, calls to 911, or communications to emergency services). GALAXY is not designed or intended to be used for such communications.

Voice Over Internet Protocol (VOIP) services which may be used on GALAXY to make phone calls do not support 911 calls and are only intended for talking with friends.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits.

If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and Dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution. If the mobile device has a retractable camera lens, do not use soap and water to clean the lens. Use a blower or brush or lens cleaning paper dampened in a lens cleaning solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations.

Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices).

Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential

hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.

- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet:

<http://www.audiology.org/Pages/default.aspx>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:

<http://www.nidcd.nih.gov/>

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH

(1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:

<http://www.cdc.gov/niosh/topics/noise/default.html>

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;

- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Vehicles using liquefied petroleum gas

(such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately, if applicable (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or use services that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated.

Cautions

Any changes or modifications to your mobile device not expressly approved by Samsung could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers.

The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device. Faulty service may be dangerous and may invalidate any warranty applicable to the device.

- Ensure that any mobile devices or related equipment used in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of network services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.

- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 11: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's devices and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Tablet	1 Year
Batteries (Including Internal Batteries)	1 Year
Case	90 Days
Other Tablet Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of Product by Purchaser.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG Tablet for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, without charge to Purchaser, or at SAMSUNG's sole option, refund the purchase price.

SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period

equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. This Limited Warranty is extended to the Purchaser and is not transferable or assignable to any other person or entity.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, Purchaser must return the Product to an authorized Tablet service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-800-SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

Purchaser should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY.

IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action.

The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The

arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are \$5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or \$50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees.

Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed \$5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting

out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC

1301 E. Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG

Phone: 1-888-987-HELP (4357)

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includes computer software and may include associated media, printed materials, "online" or electronic documentation in connection with your use of this device ("Software").

This device requires the use of preloaded software in its normal operation. BY USING THE DEVICE OR ITS PRELOADED SOFTWARE, YOU ACCEPT THE TERMS OF THIS EULA. IF YOU DO NOT ACCEPT THESE TERMS, DO NOT USE THE DEVICE OR THE SOFTWARE.

1. **GRANT OF LICENSE.** Samsung grants you the following rights provided that you comply with all terms and conditions of this EULA: You may install, use, access, display and run one copy of the Software on the local hard disk(s) or other permanent storage media of one computer and use the Software on a single computer or a mobile device at a time, and you may not make the Software available over a network where it could be used by multiple computers at the same time. You may make one copy of the Software in machine readable form for backup purposes only; provided that the backup copy must include all copyright or other proprietary notices contained on the original.

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4. CONSENT TO USE OF DATA. You agree that Samsung and its affiliates may collect and use technical information gathered as part of the product support services related to the

Software provided to you, if any, such as IMEI (your device's unique identification number), device number, model name, customer code, access recording, your device's current SW version, MCC (Mobile Country Code), MNC (Mobile Network Code). Samsung and its affiliates may use this information solely to improve their products or to provide customized services or technologies to you and will not disclose this information in a form that personally identifies you. At all times your information will be treated in accordance with Samsung's Privacy Policy, which can be viewed at: <http://account.samsung.com/membership/pp>.

5. SOFTWARE UPDATES. Samsung may provide to you or make available to you updates, upgrades, supplements and add-on components (if any) of the Software, including bug fixes, service upgrades (parts or whole), products or devices, and updates and enhancements to any software previously installed (including entirely new versions), (collectively "Update") after the date you obtain your initial copy of the Software to improve the Software and ultimately enhance your user experience with your device. This EULA applies to all and any component of the Update that Samsung may provide to you or make available to you after the date you obtain your initial copy of the Software, unless we provide other terms along with such Update. To use Software

provided through Update, you must first be licensed for the Software identified by Samsung as eligible for the Update. After the Update, you may no longer use the Software that formed the basis for your Update eligibility. The updated Software version may add new functions and, in some limited cases, may delete existing functions.

While the Update will be generally available, in some limited circumstances, the Software updates will only be offered by your network carrier, and such Software updates will be governed by your contractual relationship with your network carrier.

With the “Automatic Update” function enabled (as in the default setting in the System Update menu in the Setting), your device downloads some Updates automatically from time to time. Your device will, however, ask for your consent before installing any Update. If you choose to disable the “Automatic Update” function, then you can check the availability of new Updates by clicking on the “Check Update” menu in the Setting. We recommend that you check availability of any new Updates periodically for optimal use of your device. If you want to avoid any use of network data for the Update downloads, then you should choose the “Wi-Fi

Only” option in the Setting. (Regardless of the option you choose, the “Automatic Update” function downloads Updates only through Wi-Fi connection.)

6. Some features of the Software may require your device to have access to the internet and may be subject to restrictions imposed by your network or internet provider. Unless your device is connected to the internet through Wi-Fi connection, the Software will access through your mobile network, which may result in additional charges depending on your payment plan. In addition, your enjoyment of some features of the Software may be affected by the suitability and performance of your device hardware or data access.

7. **SOFTWARE TRANSFER.** You may not transfer this EULA or the rights to the Software granted herein to any third party unless it is in connection with the sale of the mobile device which the Software accompanied. In such event, the transfer must include all of the Software (including all component parts, the media and printed materials, any upgrades, this EULA) and you may not retain any copies of the Software. The transfer may not be an indirect transfer, such as a consignment. Prior to the transfer, the end user receiving the Software must agree to all the EULA terms.

8. **EXPORT RESTRICTIONS.** You acknowledge that the Software is subject to export restrictions of various countries. You agree to comply with all applicable international and national laws that apply to the Software, including all the applicable export restriction laws and regulations.

9. **TERMINATION.** This EULA is effective until terminated. Your rights under this License will terminate automatically without notice from Samsung if you fail to comply with any of the terms and conditions of this EULA. Upon termination of this EULA, you must cease all use of the Software and destroy all copies, full or partial, of the Software.

10. **DISCLAIMER OF WARRANTY.** UNLESS SEPARATELY STATED IN A WRITTEN EXPRESS LIMITED WARRANTY ACCOMPANYING YOUR DEVICE, ALL SOFTWARE PROVIDED BY SAMSUNG WITH THIS MOBILE DEVICE (WHETHER INCLUDED WITH THE DEVICE, DOWNLOADED, OR OTHERWISE OBTAINED) IS PROVIDED "AS IS" AND ON AN "AS AVAILABLE" BASIS, WITHOUT WARRANTIES OF ANY KIND FROM SAMSUNG, EITHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT POSSIBLE PURSUANT TO APPLICABLE LAW, SAMSUNG DISCLAIMS ALL WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY OR WORKMANLIKE EFFORT, FITNESS FOR A

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11. **THIRD-PARTY APPLICATIONS.** Certain third party applications may be included with, or downloaded to this mobile device. Samsung makes no representations whatsoever about any of these applications. Since Samsung has no control over such applications, you acknowledge and agree that Samsung is not responsible for the availability of such applications and is not responsible or liable for any content, advertising, products, services, or other materials on or available from such applications. You expressly acknowledge and agree that use of third party applications is at your sole risk and that the entire risk of unsatisfactory quality, performance, accuracy and effort is with you. It is up

to you to take precautions to ensure that whatever you select to use is free of such items as viruses, worms, Trojan horses, and other items of a destructive nature. References on this mobile device to any names, marks, products, or services of any third-parties are provided solely as a convenience to you, and do not constitute or imply an endorsement, sponsorship, or recommendation of, or affiliation with the third party or its products and services. You agree that Samsung shall not be responsible or liable, directly or indirectly, for any damage or loss, including but not limited to any damage to the mobile device or loss of data, caused or alleged to be caused by, or in connection with, use of or reliance on any such third party content, products, or services available on or through any such application. You acknowledge and agree that the use of any third-party application is governed by such third party application provider's Terms of Use, License Agreement, Privacy Policy, or other such agreement and that any information or personal data you provide, whether knowingly or unknowingly, to such third-party application provider, will be subject to such third party application provider's privacy policy, if such a policy exists. SAMSUNG DISCLAIMS ANY RESPONSIBILITY FOR ANY DISCLOSURE OF INFORMATION OR ANY OTHER PRACTICES OF ANY THIRD PARTY APPLICATION PROVIDER. SAMSUNG EXPRESSLY DISCLAIMS ANY

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A

Accounts

- setting up 43

Alarm

- snooze 97
- turning off 97

Antenna 11

App Shortcuts 15

Application Folders 96

Application Manager settings

- downloaded apps 153
- running services 154

Applications 37

Apps

- Play Store 110
- uninstalling 91

B

Back Button 19

Battery

- charging 7
- indicator 7
- installing and removing 7

Battery Use & Safety 175

Bloomberg Businessweek+ 97

Bluetooth 85

- pairing with a device 86
- reconnect 87
- settings 90, 123
- turning on or off 86

C

Capture Screen (Motion) 24

Care and Maintenance 179

Children and Cell Phones 170

Cloud 150

Commercial Mobile Alerting System (CMAS) 173

Contacts

- display options 46
- exporting and importing 48
- groups 48
- link 47
- linking 46
- separate linked 47
- sharing namecards 47

- starred contacts 50

- updating 45

D

Display

- Using Negative Colors 139

Display / Touch-Screen 177

Display Settings

- font style and size 137
- timeout 132

Do cell phones pose a health hazard? 166

Downloads

- managing 91

Drive 100

E

Email

- Combined view 52
- composing and sending 53
- configuring accounts 51
- deleting accounts 52
- refreshing 52

e-Meeting 101

**Exposure to Radio Frequency
(RF) Signals** 166

F

FCC Notice and Cautions 184

G

Gmail

- account settings 55
- composing and sending 55
- refreshing your account 55
- setting up your account 54

Google

- Drive 100
- Gmail 51, 54
- Google Account 44
- Photos 108
- Play Games 109
- Play Movies & TV 109
- Play Music 109
- Play Store 110

GPS 178

GPS Applications 94

Groups

- creating 48

H

Hancom Viewer 102

Health and Safety Information 166

Home Screen 15

- folders 36
- wallpaper 36

Home Screens

- customizing 17

I

Infrared Blaster 14

Internet 103

L

Language and Input Settings

- select language 141

Location Services Settings 125

Lock Screen

- Shortcuts 134

Locking and Unlocking

- unlocking the keypad 11

M

Memory Card

- installing 10
- removing 159

Messages

- email 51
- Gmail 51, 54
- types 51

Motion

- Capture screen 24
- Mute/Pause 24
- Pan 23
- Tilt 23

Multi Window 29

Music

- creating a playlist 59
- Play Music 109

Mute/Pause (Motion) 24

N

Namecards

- sending 47

Navigation 19

Nearby Devices

- settings 128
- status 34

Negative Colors 139

Netflix 108

Notification Panel 32

Notifications 32

O

Operating Environment 182

Other Important Safety

Information 184

P

Pairing with Bluetooth 86

Pan (Motion) 23

Personal Localized Alerting

Network (PLAN) 173

Photos (App) 108

Play Games 109

Play Movies & TV 109

Play Music 109

Play Store 110

Playlists

creating 59

Power/Lock Key 9

Powering On and Off 9

Predictive Text 142

Printing 126

Privacy Settings

factory data reset 151

R

Reducing Exposure

Hands-Free Kits and Other

Accessories 169

Reset

factory data 151

Responsible Listening 180

Restricting Children's Access to

Your Mobile device 184

S

Samsung Account 44

Samsung Kies 92

Samsung Mobile Products and

Recycling 176

Screen Rotation 18

Securing Your Device

locking and unlocking 10

Security

locking and unlocking 10

locking your device 11

Security Settings

device administration 162

passwords 161

Settings

Cloud 150

Location Services 125

SideSync 3.0 119

Smart Practices While Driving 173

Smart screen 148

Software Update 165

Sound Settings

notifications 130

volume 129

Specific Absorption Rate

(SAR) Certification

Information 171

Standard Limited Warranty 187

T

Text

entering 41

Tilt (Motion) 23

Troubleshooting 11

Turning Your Device On and Off 9

Twitter 56, 120

U

UL Certified Travel Charger 177

Uninstalling Apps 91

Updating Applications 94

USB Connections

as a mass storage device 93

USB Settings

as a mass storage device 93

mass storage device 93

Windows Media Player 92

V

Volume Key 14

W

Warranty Information 187

WatchON 66

help 66

Initial Configuration 66

settings 66

Wi-Fi

adding a connection manually 82

Direct settings 123

scanning and connecting 82

settings 83, 123

turning on or off 81

WiFi (see Wi-Fi) 81

Wi-Fi Direct 34, 84

Windows Media Player

synchronizing with 92

Wireless Networking

Bluetooth 85

Wi-Fi 81

X

XT9 Predictive Text 142