Please read this manual before operating your device and keep it for future reference.
Warning! This product contains chemicals known to the State of California to cause cancer and reproductive toxicity.

**Intellectual Property**

All Intellectual Property, as defined below, owned by or which is otherwise the property of Samsung or its respective suppliers relating to the SAMSUNG Galaxy Tab, including but not limited to, accessories, parts, or software relating there to (the “Galaxy Tab System”), is proprietary to Samsung and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with SAMSUNG and its suppliers.

**Open Source Software**

Some software components of this product incorporate source code covered under GNU General Public License (GPL), GNU Lesser General Public License (LGPL), OpenSSL License, BSD License and other open source licenses. To obtain the source code covered under the open source licenses, please visit:  
Disclaimer of Warranties; Exclusion of Liability

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED ON THE WARRANTY PAGE ENCLOSED WITH THE PRODUCT, THE PURCHASER TAKES THE PRODUCT “AS IS”, AND SAMSUNG MAKES NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE; THE DESIGN, CONDITION OR QUALITY OF THE PRODUCT; THE PERFORMANCE OF THE PRODUCT; THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO. NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS.

Modification of Software

SAMSUNG IS NOT LIABLE FOR PERFORMANCE ISSUES OR INCOMPATIBILITIES CAUSED BY YOUR EDITING OF REGISTRY SETTINGS, OR YOUR MODIFICATION OF OPERATING SYSTEM SOFTWARE.

USING CUSTOM OPERATING SYSTEM SOFTWARE MAY CAUSE YOUR DEVICE AND APPLICATIONS TO WORK IMPROPERLY. YOUR CARRIER MAY NOT PERMIT USERS TO DOWNLOAD CERTAIN SOFTWARE, SUCH AS CUSTOM OS.
# Table of Contents

## Section 1: Getting Started .......................... 5
- Understanding This User Manual .................. 5
- Battery ........................................... 6
- Turning Your Device On and Off ................. 8
- Setting Up Your Tablet .......................... 8
- Memory Card ....................................... 9
- Galaxy Tab Accessories ............................ 9
- Securing Your Device ............................. 9
- Holding the Device ................................ 10
- Troubleshooting .................................... 10

## Section 2: Understanding Your Device .... 11
- Features ........................................... 11
- Front and Sides .................................. 12
- Back, Top, and Bottom ......................... 12
- Home Screen ..................................... 13
- Screen Rotation .................................. 16
- Navigating Your Device .......................... 17
- Using the Touch Screen ......................... 17
- Multi Window .................................... 20
- Notifications ..................................... 22
- Status Bar ........................................ 24
- Folders ............................................ 26
- Wallpapers ....................................... 27
- Apps Screen ..................................... 27
- My Magazine ...................................... 28
- Task Manager ..................................... 30
- Screen Capture .................................. 31
- Help .................................................. 31
- Entering Text ...................................... 31

## Section 3: Accounts and Contacts ..........33
- Accounts .......................................... 33
- Your Google Account ............................. 34
- Your Samsung Account ......................... 34
- Contacts .......................................... 34
- Groups ............................................. 38
- Favorites ......................................... 40

## Section 4: Messaging ................................. 41
- Types of Messages ................................ 41
- Email .............................................. 41
- Gmail .............................................. 44
- Hangouts ......................................... 45
- Google+ ........................................... 45
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 170.

Also included is important safety information, beginning on page 136, 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 9.

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 134.

**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 cable into the USB 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 cable to charge your battery, plug the flat end of the cable into the right side of the USB Port.

You cannot charge the battery using the USB cable and your PC.
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 10.

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:

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 107.

For other settings related to securing your device, see “Security” on page 131.
**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.

**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 50.
- 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+/EAAC+, WMA, Vorbis, FLAC, AC-3, AMR-NB/WT, WAV
- Support for microSD and microSDHC memory cards
- Preloaded applications such as Google Play Books, Google Play Store, Samsung Apps, and more.

Warning! This device does not support some USB storage media devices. For more information, refer to “Galaxy Tab Accessories” on page 9.
Front and Sides
The following items can be found on the front and sides of your device as illustrated.

Back, Top, and Bottom
The following items can be found on the back, top, and bottom of your device as illustrated.
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 few 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 77.

- **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 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.
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
3. Touch \( \text{Home} \) to set the page as the Main Home Screen.
Add or remove Home Screen Apps:
Home Screen Apps currently in use on the active page display the ✓ icon.
- Touch a **Home Screen App** to add it to the active page.
- Touch ✓ to remove the Home Screen App from the active page.

Change the layout of Home Screen Apps:
- Touch **Change layout** to randomly rearrange the Home Screen Apps on the active page.

To rearrange the order of pages:
- Touch and hold, and then drag a page to a new location.

To set a new main Home screen:
- Touch  on a Home screen to set it as the new main Home screen ( ).

Add or remove Home screens:
- Touch  to add a new page.
- Touch and hold, and then drag a page to  to remove.

---

**Screen Rotation**

Many applications allow display in either portrait or landscape orientation. Rotating the device causes the display to automatically adjust to fit the new screen orientation.

To prevent the display from rotating automatically, open the Notification Panel and deselect **Screen rotation**.

**Note:** Some applications do not allow screen rotation. Some applications display a different screen depending on the orientation. For example, the calculator turns into a scientific calculator when rotated to landscape.
Navigating Your Device

Use command keys and the touch screen to navigate.

Command Keys

Recent Apps

To display a list of recently used apps:

- Touch Recent apps. Touch an app to open it.

To close an app:

- Drag the app preview up or down.

To end all running apps:

- Touch Close all.

To manage running apps, downloads, device memory, and storage:

- Touch Recent apps ➔ Task Manager.

For more information, refer to “Task Manager” on page 30.

Home

To display the Main Home screen:

- Touch .

To launch Google Now:

- Touch and hold .

Back

To return to the previous screen, option, or step:

- Touch ⇌.

Using the Touch Screen

Use only your fingers or a stylus (not included) to use the touch screen.

Warning! To avoid damaging the touch screen, do not touch it with anything sharp or apply excessive pressure to it with your fingertips.

Turn off the touch screen when you do not use the device.
**Finger Gestures**

**Touching**
To open an application, to select a menu item, to press an onscreen button, or to enter a character using the onscreen keyboard, touch it with a finger.

**Touching and Holding**
Touch and hold an item for more than 2 seconds to access available options.

**Dragging**
To move an icon, thumbnail, or preview to a new location, touch and hold it and drag it to the target position.

**Double-Tapping**
Double-tap on a web page, map, or image to zoom in a part. Double-tap again to zoom out again.

**Swipe**
Swipe left or right on the Home screen or the Applications screen to see another panel. Swipe up or down to scroll through a web page or a list, such as contacts.

**Pinching and Spreading**
Spread two fingers apart on a web page, map, or image to zoom in. Pinch to zoom out.

**Control Motions**
Simple motions allow easy control of the device.
Before using motions, make sure the motion feature is activated.

1. From a Home screen, touch  
   Apps  ➔  Settings  ➔  Controls  tab  ➔  Motions.  
2. Touch the **OFF/ON** button to turn the feature **ON**.
Note: Excessive shaking or impact to the device may result in unintended inputs. Control motions properly.

Tilt
Touch and hold two points on the screen, and then tilt the device back and forth to zoom in or out.

Note: To move an icon to a new location, touch and hold it and drag it to the target position. For more information, refer to “Dragging” on page 18.

Pan
When an image is zoomed in, touch and hold a point on the screen, and then move the device in any direction to browse the image.

Palm Motions
Use palm motions to control the device by touching the screen.

Before using motions, make sure the palm motion feature is activated.

1. From a Home screen, touch Apps ➔ Settings ➔ Controls tab ➔ Palm motion.
2. Touch the OFF/ON button to turn the feature ON.

Capture Screen
Sweep your hand across the screen to capture a screenshot. The image is saved in Gallery ➔ Screenshots album.
Mute/Pause
Cover the screen with a palm to pause media playback.

Multi Window
Multi task by using up to four applications at the same time.

Note: Only applications displayed on the Multi window panel can be used with the Multi window feature.

Activate Multi Window
1. From a Home screen, touch Apps ➔ Settings ➔ Device tab.
2. Touch Multi window.
3. Touch the OFF/ON button to turn Multi window ON.
4. If desired, touch Open in multi window view to automatically view content in Multi window when you open files from My Files or Video player, or attachments from email.

Note: You can also activate Multi window from the Notification Panel. For more information, refer to “Notification Panel” on page 22.
**Multi Window Panel**

Multi window apps are displayed on the Multi window panel.

**Display the Multi Window panel:**
1. Activate Multi Window.
2. Swipe the right edge of the screen toward the center to display the Multi window panel. After a few seconds, the panel will be hidden again.

**Using Multi Window Applications**

You can use Multi window to run up to four applications at the same time.

1. With Multi window activated, swipe the right edge of the screen toward the center to display the Multi window panel.
2. Drag an app off the panel and release. Drag up to three more apps off of the panel and release them into one of the highlighted windows.

**Window Controls**

Select an application window and touch in the middle of the windows. Window controls appear:

- Open a recent app in Multi Window.
- Switch locations between Multi Window applications.
- Share items between the application windows. Drag an item to share from one window to another. Some applications may not support this feature.
- Maximize the application.
- Close the application.

**Creating a Paired Window**

Use this feature to save the combination of current running Multi Window applications.

On the Multi Window panel:
1. Touch to access the panel controls.
2. Touch Create.
3. Enter a title and then touch OK.
Panel Configuration

You can rearrange the apps on the Multi window panel, add new apps or remove apps.

On the Multi Window panel:
1. Touch to access the panel controls.
2. Touch Edit.
3. Configure apps:
   • To remove an app from the panel, drag it off of the panel and place it in the storage area.
   • To add an app to the panel, drag it from the storage area to the panel.
   • To relocate an app, drag it to a new location.
4. Touch Play Store to download new Multi window apps.

Notifications

Notification icons appear on the Status Bar at the top of the screen to report calendar events, device status, and more. For details about these notifications, open the Notification Panel.

Notification Panel

To view the Notification Panel:
1. Swipe downward from the top of the screen to display the Status Bar.
2. Swipe downward again on the Status Bar to display the Notification Panel.
3. Scroll down the list to see additional notification details.
4. Touch an item to open it.
5. To clear a single notification, drag the notification left or right. Touch to clear all notifications.
6. To close the Notification Panel, swipe upward from the bottom of the screen or touch Back.
Accessing Additional Panel Functions

In addition to notifications, the Notification Panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off. You can choose the functions that display.

From the Notification Panel:

1. To go to Settings, touch Settings. For more information, refer to “Settings” on page 97.
2. Touch to display additional options.
   The following functions can either be activated (green) or deactivated (gray): Wi-Fi, GPS, Sound/Vibrate/Mute, Screen rotation, Bluetooth, Reading mode, Blocking mode, Power saving, Multi window, Screen Mirroring, Smart stay, Smart pause, Sync, and Airplane mode.
3. Touch and locate the Notification Panel area at the bottom of the Notification Panel screen.
   • In a single motion, touch and hold a desired function, such as Airplane mode, then drag it to the top two rows.
   • 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.
   • Touch Back to exit the Notification Panel.
4. Touch to display only your primary functions.
5. To set the display brightness, touch the Brightness slider and drag it to set the brightness or touch Auto to allow the device to set brightness automatically based on available light and battery charge status. For more information, refer to “Display” on page 106.
6. To adjust the system volume, touch the Sound slider and drag it to set the Notification sound level or touch to set the level for Notifications, Media, and System sounds. For more information, refer to “Sound” on page 104.

Notifications displays system notifications.
Touch a notification entry to display the details. Touch \( \times \) to remove Notification Icons from the Status Bar. For more information, refer to “Notification Panel” on page 22.

To close the Notification Panel:

- Touch \( \leftarrow \) Back, or swipe up.

**Status Bar**

The Status Bar at the top of the home screen provides device information (such as network status, battery charge, and time) on the right side and notification alerts on the left.

**To display the Status Bar:**

- From a Home screen, swipe downward from the top of the screen. The grey Status Bar will appear. It will disappear after a few seconds.

**Status Bar Icons**

Some common status and notification icons are shown below.

**Connectivity Icons**

- Wi-Fi connected
- Bluetooth enabled
- Bluetooth paired
- Connected to computer
- Wi-Fi Direct is active and your tablet is connected to another device.
- The Nearby devices setting is enabled.

**Device Status Icons**

- Battery full
- Battery charging
Messaging Icons
- New email
- New Gmail

Other Icons
- Air gesture feature activated
- Alarm activated
- Airplane mode activated

Battery low
GPS enabled
Vibrate mode enabled
Mute mode enabled
Error occurred or caution required

Apps and Widgets
You can add, reposition, or remove shortcuts and widgets from the Home screen.
- **Shortcuts**: Icons on the Home screen that launch applications.
- **Widgets**: Self-contained applications. They appear as onscreen applications.

Blocking mode activated
Music is playing.
Adding a Shortcut or Widget
You can customize the Home screen by adding shortcuts and widgets.

1. From a Home screen, touch and hold on an empty area of the screen until the Home screen pop-up appears.
   – or –
   Touch Apps to display the Apps screen.

2. For shortcuts, touch the Apps tab. For widgets, touch the Widgets tab.

3. Touch and hold the shortcut or widget, and then drag it to the Home screen and release.

Removing a Shortcut or Widget
Shortcuts and widgets can be removed from the Home screen.

- Touch and hold the shortcut or widget until it detaches, and then drag it to Remove and release.

Note: Removing a shortcut does not delete the application; it simply removes the shortcut from the Home screen.

Folders
Place folders on the Home screen to organize items.

Adding Folders
1. From a Home screen, touch and hold on an empty area of the screen until the Home screen pop-up appears.

2. Touch Folder.

3. Enter a name for the folder and touch OK.

Using Folders
- Touch the folder to open it and access the shortcuts inside.
- To add shortcuts to the folder, touch and hold the shortcut, and then drag it to the folder and release.
- To delete a folder, touch and hold the folder until it detaches, and then drag it to Remove and release.

Note: All shortcuts contained in the folder will also be deleted.
Wallpapers

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

1. From a Home screen, touch and hold on an empty area of the screen until the Home screen pop-up displays.

2. Touch Home Screen, Lock screen, or Home and lock screens for options:
   • Gallery: Access the Gallery to select a photo.
   • Live wallpapers: Choose from pre-loaded interactive animated wallpapers (Home screen only).
   • Photos: Access Google Photos to select a photo (Home screen only).
   • Wallpapers: Choose from pre-loaded wallpaper images.

Note: You can also set the wallpaper in Settings. From a Home screen, touch Apps ➔ Settings ➔ Device tab ➔ Wallpaper.

Apps Screen

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

The Apps icons can be arranged in various ways. To change the arrangement of the Apps icons:

1. From a Home screen, touch Apps.
2. Touch Menu ➔ Sort by.
3. Touch Customizable grid or Alphabetical grid.

To manually change the order of the icons on the Apps screen:

1. From a Home screen, touch Apps.
2. Touch Menu ➔ Edit.
3. Touch and hold an icon and drag it to a new position.
4. Touch Save to save the changes.

You can place shortcuts to applications on the Home screen for quick access to the application. For more information, refer to “Adding a Shortcut or Widget” on page 26.

To view your downloaded applications:
1. From a Home screen, touch Apps.

2. Touch Samsung folder ➔ Downloads to view downloaded apps.

3. Touch an icon on the Downloaded applications screen to launch the application.

   – or –

   Add an App Shortcut to a Home screen by dragging the App icon onto the Home screen. For more information, refer to “Adding a Shortcut or Widget” on page 26.

Application Information

To view information about an App, such as the amount of storage it uses, force the App to stop, uninstall updates, and clear data:

   1. From a Home screen, touch Apps ➔ Settings ➔ General tab ➔ Application manager.

   2. Touch the All tab, scroll through the apps list, and touch the app to open a screen with details about the App.

More Application Information

For more information, refer to “Applications” on page 58.

In that section, each application that is available on the Applications screen is listed and described. If the application is also described in another section of this user manual, then a cross reference to that particular section is provided.

Various widgets are also described.

My Magazine

Make your own social magazine with My Magazine. My Magazine brings you personalized news and information, social media, and more together in a magazine-style layout.

Rearranging Widgets on the Magazine Panels

Adding a Magazine Widget

To add a Magazine widget to a Magazine panel:

   1. Pinch on the Magazine panel (see “Customizing Home Screens” on page 15).

   2. Touch to select a panel preview at the top of the screen.

   3. Select a Magazine widget to add to the panel.
Moving a Magazine Widget
1. Touch and hold a Magazine widget.
2. Drag it to a new location.
3. Resize it by dragging the frame, if necessary.
4. Tap to save the location of the Magazine widget.

Removing a Magazine Widget
1. Touch and hold a Magazine widget until it detaches.
2. Drag it to Remove and release.

Access My Magazine
My Magazine is comprised of various Home screen applications, news feeds from a variety of sources, and social content.

To access My Magazine:
- From a Home screen, touch the News, Social, or Applications Home Screen Apps.

To customize which My Magazine Home Screen Apps appear on your Home screens, see “Customizing Home Screens” on page 15.

Viewing My Magazine
Use these actions while viewing My Magazine.

Viewing Topics
- Swipe left or right to scroll between topics.
- Touch any preview to view the entire article.
- Touch Content Guide ➔ My Flipboard ➔ Settings ➔ Help to get assistance using Flipboard.
- Touch Content Guide ➔ My Flipboard ➔ Settings ➔ About to read the Terms of Use.

Viewing Articles
- Swipe left or right to move between pages.
- Touch to share the article.
- Touch to “Like” this article.
- Touch to set the article as a favorite.
- Touch to sign in to your Flipboard account or create a Flipboard account.
- Touch or to return to the topic page.
Touch \( \text{Menu} \) for options:

- **Save Image to Device**: Save a copy of all images on the current page to Gallery.
- **Read Later**: Save this article to your article list for later.
- **View on Web**: View the Internet source of the article.
- **Report**: Flag this article as inappropriate for review by Flipboard.

**Subscribing to Magazines**
1. From any Home screen, touch a My Magazine app to get started.
2. Touch \( \text{Content Guide} \).

Touch a topic, such as News or Business, and touch a magazine to subscribe.

---

**Task Manager**

Your device can run applications simultaneously and some applications run in the background.

Use Task Manager to see which applications are running on your device and to end running applications to extend battery life. You can also uninstall applications from your device and see how much memory is used by applications.

**To access the Task Manager:**
1. Touch \[ Recent apps \( \rightarrow \) Task manager. \]
2. Touch each tab for options:
3. **Active applications**: View applications running on your device. Touch \( \text{End} \) to terminate an application or \( \text{End all} \) to terminate all running applications.
4. **Downloaded**: View applications installed from Google Play. Touch \( \text{Uninstall} \) to remove an application from your device.
5. **RAM manager**: Display the amount of Random Access Memory (RAM) currently in use. Touch **Clear memory** to clear inactive and background processes.
6. **Storage**: View internal (System storage) and external (SD card) storage memory statistics.

**Screen Capture**
- Press and hold the **Power/Lock Key** and **Home** key to capture and save an image of the current screen.

**Note:** A copy of the screenshot is automatically saved to the clipboard.

**To view the screen shots:**
1. From a Home screen, touch 📸 Apps ➔ 📷 Gallery.
2. Touch to open the **Screenshots** album.
3. Touch a screen capture to view it.

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

1. From a Home screen, touch 📚 Apps ➔ 📲 Samsung folder ➔ 📜 Help.
2. Select a category to view tips.

**Entering Text**
Use the Samsung keyboard or the voice input feature to enter text.

**Note:** Text entry is not supported in some languages. To enter text, you must change the input language to one of the supported languages.

**Using the Keyboard**
Touch any text field, open the Notification Panel, touch **Select input method**, and then select the type of keyboard to use.

**Changing the Keyboard Type**
Touch and hold 📃, and then touch ☰ to change the keyboard type.

**Changing Language Keyboards**
Add languages to the keyboard, and then slide the space key left or right to change language keyboards.
**Handwriting**

Touch and hold 🖊️ → ✒️, and then write a word with a finger or stylus (not included). Suggested words appear as characters are entered. Select a suggested word.

Use handwriting gestures to perform actions, such as editing or deleting characters and inserting spaces. To view the gesture guides, touch and hold 🖥️, and then touch 📦 Settings → Help → Keyboard → Use handwriting gestures.

**Entering Text By Voice**

Activate the voice input feature and then speak into the microphone. The device displays what you speak.

If the device does not recognize your words, touch the underlined text and select an alternative word or phrase from the drop-down list.

To change the language or add languages for voice recognition, touch the current language.

**Copying and Pasting**

Touch and hold over text, drag 🎨 or 🎨 to select more or less text, and then touch Copy to copy or Cut to cut. The selected text is copied to the clipboard.

To paste it into a text entry field, touch and hold at the point where it should be inserted, and then touch Paste.
Section 3: Accounts and Contacts

This section explains how to manage accounts and contacts.

Accounts

Your device can synchronize with a variety of accounts. With synchronization, information on your device is updated with any information that changes in your accounts.

- **Samsung Account**: Add your Samsung Account.
- **Dropbox**: Add your Dropbox Account.
- **Email**: Add an Email Account to sync Contacts.
- **Evernote**: Add an Evernote Account to sync your Contacts.
- **Google**: Add your Google Account to sync your Contacts, Calendar, and Gmail.
- **LDAP**: Add an LDAP Account to find entries in an LDAP directory.
- **Microsoft Exchange ActiveSync**: Add your Exchange Account to sync Contacts, Calendar, and Email.
- **Facebook**: Add a Facebook Account to sync apps.
- **Twitter**: Add a Twitter Account.
- **WebEx**: Add a Cisco WebEx Meetings account.

**Setting Up Accounts**

Set up and manage your synchronized accounts with the **Accounts** setting.

1. From a Home screen, touch Apps ➔ Settings ➔ General tab ➔ Accounts ➔ Add account.
2. Touch the account type.
3. Follow the prompts to enter your account credentials to complete the set up process.

Your tablet communicates with the appropriate account servers to set up your account. When complete, your account displays in the **Accounts** area of the Settings screen.
Your Google Account

In order to utilize your device to the fullest extent, you will need to create a Google Account when you first use your device. With a Google Account, Google applications will always be in sync between your tablet and computer.

1. From a Home screen, touch Apps ➔ Settings ➔ General tab ➔ Accounts ➔ Add account ➔ Google.
2. Follow the prompts to sign into your existing account or create a new account.

Your Samsung Account

Create a Samsung Account for access to Samsung apps and services, and much more.

1. From a Home screen, touch Apps ➔ Settings ➔ General tab ➔ Accounts ➔ Add account ➔ Samsung account.
2. Follow the prompts to sign into your existing account or create a new account.

Contacts

Use this application to manage contact information for your friends, family, and colleagues, including phone numbers, email addresses, and others.

To access Contacts:

- From a Home screen, touch Apps ➔ Contacts.

Add a Contact

1. Touch Contacts ➔ Create. The Save contact to pop-up displays.
2. To choose where the contact is stored, touch Device or an account.
   – or –
   Touch Add new account to add a different account.
   For more information, refer to “Setting Up Accounts” on page 33.
3. Touch each field to enter information. Touch + to add another entry, or - to remove an entry. Touch ¤ to choose a label.

- **Picture**: Touch the picture icon to assign a picture to the new contact.
- **Name**: Enter the name. Touch ▼ to display additional name fields.
- **Phone**: Enter a phone number.
- **Email**: Enter an email address.
- **Groups**: Assign the contact to a group. For more information, refer to “Groups” on page 38.
- **Add another field**: Add additional fields for the contact.

4. Touch Save.

---

**Note**: Your personal Contact entry is always listed at the top of the Contacts list under ME. Touch **Set up profile** to add your contact information.

---

**Updating Contacts**

1. Touch  Contacts.
2. Touch a contact in the Contacts list to view its information.
3. Touch  Edit.
4. Touch any field to edit. For more information, refer to “Add a Contact” on page 34.

**Deleting Contacts**

1. Touch  Contacts.
2. Touch a contact in the Contacts list to display it.
3. Touch  Delete.
4. At the prompt, touch **OK**.
Contacts Display Options

There are various ways to display your contacts.

1. Touch 📞 Contacts.

2. Touch the Groups tab, Favorites tab, or Contacts tab to view contacts in various ways:
   - **Groups**: Display contacts sorted into groups—such as Not assigned, Co-workers, Family, Friends, etc. The number of contacts in each group is displayed next to the group name. Touch a group name to show only contacts in that group. For more information, refer to “Create a New Group” on page 38.
   - **Favorites**: Show only your favorite (or starred), contacts. For more information, refer to “Favorites” on page 40.
   - **Contacts**: Show all your contacts. Touch the Search field and enter a keyword to list contacts that contain that keyword.

3. While viewing Groups, Favorites, or Contacts, touch ➜ Menu for options.

4. While viewing the Contacts tab, touch ➜ Menu ➜ Settings for Contact settings.

Linked Contacts

Your device can synchronize with multiple accounts, including Google, Corporate Exchange, and other email providers. When you synchronize contacts from these accounts with your device, you may have multiple contacts for the same person.

Linking, or joining, imported contact records allows you to see all of a contact’s numbers and addresses together in a single contact entry. Linking also helps you keep your contacts updated, because any changes that your contacts make to their information in the respective accounts are automatically updated the next time you synchronize with that account.
Linking Contacts
1. Touch Contacts.
2. Touch a contact in the Contacts list to display it.
3. Touch Menu ➔ Link contact.
4. Touch the contact you want to link. The linked contact’s information is displayed with the original contact’s information.
5. Repeat Steps 3 and 4 to link other contacts.

Separating Contacts
1. Touch Contacts.
2. Touch a contact in the Contacts list to display it.
3. Touch Menu ➔ Separate contact. A list of linked contacts is displayed.
4. Touch to separate a linked contact.

Sharing Contact Information
You can send a contact’s information using Bluetooth to other Bluetooth devices, or in an Email or Gmail as an attachment.

Note: Not all Bluetooth devices accept contacts and not all devices support transfers of multiple contacts. Check the target device’s documentation.

1. Touch Contacts.
2. Touch Menu ➔ Share namecard via.
3. Touch Selected contact to share only the displayed contact, or touch Multiple contacts.
4. Touch a sending method, such as Bluetooth or email.
5. Follow the prompts to send the contact information.
Importing and Exporting Contacts

To back up and restore your contacts, you can export your contacts list to a storage device (such as a PC), or import your contacts list from a storage device.

1. Use the USB cable to connect your device to the storage device.
2. Touch Contacts.
3. Touch Menu ➔ Settings ➔ Import/Export.
4. Touch an option and then follow the prompts.

Groups

Assign contacts to Groups, such as co-workers, family, or friends, to make searching for contacts faster or to quickly send an email to group members.

Create a New Group

Create a new group when you add or edit a contact.

1. Touch Contacts ➔ Groups tab.
2. Touch Create.
3. Touch the Group name field and enter a name.
4. Touch Add member, touch individual contacts or touch Select all, and then touch Done to add the selected contacts to the group.
5. Touch Save.

Tip: Contacts can belong to more than one group. While editing a contact, touch the Groups field to add additional groups.

Once you create a new group, the Contacts list can be set to display only the contacts in that group. For more information, refer to “Contacts Display Options” on page 36.
Adding Group Members

To add a contact to a group, just edit a contact’s Group field. For more information, refer to “Updating Contacts” on page 35.

1. Touch Contacts ➔ Groups tab.
2. Touch the group to which you want to add members.
3. Touch Menu ➔ Add member.
   The contacts that can be added display.
4. Touch Select all or the name of each contact to add.
5. Touch Done to add the contacts to the group.

Removing Group Members

1. Touch Contacts ➔ Groups tab.
2. Touch the group from which you want to remove members.
3. Touch Menu ➔ Remove member.
4. Touch Select all or the name of each contact to remove.
5. Touch Done to remove the contacts.
   Contacts are removed from the group and the group name is removed from each contact’s Group field.

Renaming a Group

1. Touch Contacts ➔ Groups tab.
2. Touch the group you want to rename.
3. Touch Menu ➔ Edit.
4. Touch the Group name field and enter a new name.
5. Touch Save.

Deleting Groups

1. Touch Contacts ➔ Groups tab ➔ Menu ➔ Delete groups.
2. Touch individual groups or touch Select all, then touch Done.
3. Touch Group only to delete only the group or Group and group members to delete both the group and the group’s members.
**Favorites**

Mark contact records with a ★ gold star to identify them as favorites.

**Mark a Contact as a Favorite**

1. Touch Contacts.
2. Touch a contact in the Contacts list to display it.
3. Touch the ★ Star so that it turns gold ★.

---

**View Favorites**

1. Touch Contacts.
2. Touch the Favorites tab. Only your starred contacts are displayed.
   - or –
   Touch the Groups tab, then touch Starred in Android to list only your starred contacts that are being saved to your Google Account.

---

**Remove Favorites**

1. Touch Contacts ➔ Favorites tab.
2. Touch Menu ➔ Remove from Favorites.
3. Touch individual contacts or touch Select all, then touch Done to remove.

---

**Tip:** You do not have to edit the contact to mark it as a favorite.

---

**Note:** To remove the currently displayed contact from your favorites list, touch the ★ Star next to the contact’s name so that it is no longer gold ★.
Section 4: Messaging

This section describes how to send and receive messages and other features associated with messaging.

Types of Messages

Your device supports these types of messages:
- Email
- Gmail
- Hangouts
- Google+
- Twitter

Note: Your Wi-Fi-only device does NOT support voice calling and messaging services. Please disregard any “dial” and “message” related menus because some Gmail options are identically set in all Android devices.

Email

Use Email to view and manage all your email accounts in one application.

- From a Home screen, touch Apps ➔ Email.

Configuring Email Accounts

You can configure Email for most accounts in just a few steps.

1. Touch Email.
2. The first time you set up an email account, at the Set up email screen, enter an Email address and Password, then touch Next.
   - or -
   For additional accounts, touch Menu ➔ Settings ➔ Add account.
3. Follow the onscreen instructions to set up your email account.
4. Touch Next to go to the next screen or touch Previous to go to the Apps screen.
Note: For Exchange ActiveSync accounts, the Activate device administrator? screen may appear. Read the information and touch **Activate** to continue.

5. Enter an account name and your name, if required.

6. Touch **Done**.

The device communicates with the appropriate server to set up your account and synchronize your email. When complete, your email appears in the Inbox for the account.

Note: To configure email account settings at any time, use **Menu ➔ Settings**. Touch the account to display Account settings.

---

### Managing Your Email Accounts

If you add more than one email account, you can view email you receive for all accounts in the **Combined view** screen or you can view email accounts individually.

1. Touch **Email**.

2. Touch the drop-down menu at the top left of the screen to select:
   - **Combined view**: View all email in a combined inbox.
   - **<Account Name>**: View email for the account.

3. Touch **Split view** to display email in three columns. Touch **to return to a two column view.**

### Refreshing Your Email Account

Refresh your account to update your device from your email servers.

1. Touch **Email**.

2. In the Application Bar, touch **Refresh**.

### Deleting Email Accounts

To delete an Email account:

1. Touch **Email**.

2. Touch **Menu ➔ Settings ➔ Delete account.**
Email Settings

Use email settings to configure your email preferences.

**Note:** Available settings depend on the email provider.

1. Touch 🔄 Email.
2. Touch ✽ Menu ➔ Settings, then touch
   **General settings.** The following options display:
   - **Display:** Set how email is shown in the email list and when you open them.
   - **Composing and sending:** Set what functions are available while composing and sending email.
   - **Auto advance:** Set the screen to show after deleting a message. Choices are: Next email, Previous email, or Email list.
   - **Confirm deletions:** Ask for confirmation before deleting email.
   - **Priority senders:** Enter email addresses that you want treated as a priority.
   - **Spam addresses:** Manage your spam address list.
   - **Rules for filtering:** Create rules for filtering email based on names, address, or subject.
3. Touch an account to configure specific settings.

Composing and Sending Email

1. Touch 🔄 Email.
2. If you have multiple accounts set up, choose an account from the menu at the top of the screen.
3. Touch 🔄 Compose, then touch fields to enter recipients and the email text.
4. While composing a message:
   - Touch ✽ Menu to display options.
   - Touch ✪ Attach to add a file to the message.

**Note:** Available options depend on the type of email account.

5. Touch the body of the email to enter the text of your email. Touch the text option buttons to edit and format your message text.
6. Touch one of the following:
   - ✉️ Send to send the message.
   - 📄 Save to save the email to the Drafts folder.
   - ✗ Discard to discard the email.
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.

Tip: 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: 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 , 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 48.

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

Add a Wi-Fi Network Manually

1. From a Home screen, touch 📱 → 🌐 **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:

- ![Wi-Fi icon](image1.png)
  Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

- ![Wi-Fi icon](image2.png)
  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).

- ![Wi-Fi icon](image3.png)
  Displays when connected to another device using Wi-Fi Direct. For more information, refer to “Wi-Fi Direct” on page 49.

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 ➔ 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. Touch the **OFF/ON** button to turn Wi-Fi timer ON. Touch **Wi-Fi Timer** for options.

– **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 ➔ 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 WiFi 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 ➔ 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 ➔ 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 ➔ 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 51.
**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 ➔ 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 ➔ 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 51.
1. From a Home screen, touch \( \rightarrow \) Settings \( \rightarrow \) Connections tab \( \rightarrow \) 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 \( \rightarrow \) Bluetooth.
   - While playing music using the Music app, touch \( \rightarrow \) Via Bluetooth.
   - While viewing a Contact, touch \( \rightarrow \) Share namecard \( \rightarrow \) 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 51.
Accessing Files Received via Bluetooth

1. From a Home screen, touch ➔ 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 ➔ 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.
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.

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 6: 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.

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 26.

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**: Calculator, Downloads, S Voice, Smart Remote, and World Clock
- **Google**: Drive, Gmail, Google, Google Settings, Google+, Hangouts, Photos, Play Books, Play Games, Play Movies & TV, Play Music, Play Newsstand, and Voice Search
Updating Applications

Once you have registered your device (see “Software Update” on page 135) and signed into your Google Account (see “Your Google Account” on page 34), 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.

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 ➔ 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 89).

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.

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.
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 ZZ 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.

Calculator

The Calculator provides basic and advanced arithmetic functions.

1. Touch Samsung 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 C 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 ➔ 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.
**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**.

**Tip:** Use **Gallery** to view photos and videos taken with the device’s camera.

**Note:** The camera automatically shuts off when unused.

**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.

2. Switch between the front and rear camera.
3. Switch to dual camera mode.
4. View more options.

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.

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.
— 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:
  — 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 manually change the focus, touch where you want to focus. Touch to use Auto Focus.
- To capture an image from the video while recording, touch .

Recording Mode

- Touch Options 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.

---

**Chrome**

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

- Touch 🕹️ **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 34.
Downloads

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

1. Touch 📁 Samsung 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 44. 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.

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.

Email

Send and receive email using popular email services.

1. Touch 📧 Email.

For more information, refer to “Email” on page 41.
**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 46.

1. From a Home screen, touch Apps ➔ 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:
   - 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.

   Go to the previous page.
**Gallery**

Use Gallery to view, capture, and manage photos and videos. For more information, refer to “Gallery” on page 70.

- Touch Gallery.

**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 “Motion” on page 118.

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.

Gmail

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

- Touch ☐ Google folder ➔ ☐ Gmail.

For more information, refer to “Email” on page 41.

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 45.

---

## Hancom Viewer

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

1. Touch 📲 Hancom Viewer. The app will install.
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 45.

---

## 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 31.
Internet

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

- Touch 🌐 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.

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 Services” on page 100.

- Touch 🗺 Maps.

Memo

Use this application to record important information to save and view at a later date.

- Touch ☑ Memo.

Composing a Memo

- Touch ➢ New, enter a memo, and then touch Save.
- To change the category, touch ☐.
- To insert an image into the memo, touch 📷.
- To use your voice to insert text into the memo, touch 🎤.
Browsing Memos

- Browse memo thumbnails by scrolling up or down.
- To edit a memo, touch a memo thumbnail, and then touch the content of the memo.
- To search for a memo, touch .

Editing the Category List

To edit the category list:
- Touch .

Memo Options

- To delete memos, touch Menu ➔ Delete.
- To change the sync settings, touch Menu ➔ Account.

Viewing a Memo

1. Touch the memo thumbnail to open it.
2. To edit the memo, touch the content of the memo.
3. To delete the memo, touch Delete
- To send the memo to others, touch Share via.

Music

Play music and other audio files that you copy from your computer.
- Touch 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.
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 22.
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 85.
- 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 81.
   - **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.

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.

### My Files Options

• Touch **Search**, and then enter search criteria.
• Touch **Storage** to view memory information for your device and memory card.
• Touch **** to change the view mode.
• 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:** This app requires a Netflix membership. For more information, visit [netflix.com](http://netflix.com).

- Touch Netflix.

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
With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.
Visit [play.google.com/store/books](http://play.google.com/store/books) 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
Watch movies and TV shows purchased from Google Play. You can stream them instantly, or download them for viewing when you’re not connected to the Internet. You can also view videos saved on your device.
Visit play.google.com/about/movies to learn more.

Note: This app requires a Google Account.

■ Touch Google folder ➔ Play Movies & TV.

Play Music
With Google Play Music, you can play music you’ve downloaded, and music you copied from your computer.
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
All your favorite apps, movies and tv shows, music, books, magazines, and games are available in Google Play Store. Visit play.google.com/store to learn more.

Note: This app requires a Google Account.

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 ➔ 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.

S Voice

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

- Touch Samsung folder ➔ S Voice.
  - or –
  Touch 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.

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

- Touch  

Settings
Configure your device to your preferences.

- Touch  

For more information, refer to “Settings” on page 97.

SketchBook for Galaxy
SketchBook for Galaxy is a professional-grade paint and drawing application optimized for use with S Pen.

Visit sketchbook.com/galaxy to learn more.

- Touch  

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  

Video
Use this application to play video files.

- Touch  

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. File 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.

**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.

**Important!** Before you use WatchON, verify that you have an active Internet connection available. For more information, refer to “Wi-Fi” on page 46.

**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 34.

**Initial Configuration**

1. From a Home screen, touch Apps ➔ WatchON.
2. Touch Set up WatchON.
3. 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.

**WebEx**

Schedule, host, and attend meetings. View shared content and see who’s 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 Samsung folder ➔ 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.
Section 7: 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 22.

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 98.

Device
Personalize your device, including sounds and the display, accessibility, and input. For more information, refer to “Device” on page 104.

Controls
Access settings to configure Language and input, Voice control, Motions, Palm motion, and Smart screen. For more information, refer to “Controls” on page 114.

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 120.
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 46.

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 49.

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 50.
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 22.

– 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 Services

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.

---

**Tag Current Location**

Tagging adds location information to pictures and S Notes.

1. From the **Settings** screen, touch **Connections** tab ➔ **Location**.
2. Touch the **OFF/ON** button to turn Location services **ON**. Under **Tag current location**, touch **Camera** and/or **S Note**.

**More Networks**

This option displays additional Connectivity information.

- From the **Settings** screen, touch **Connections** tab ➔ **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**

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.

Tip: 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 ➔ Volume ➔ Vibration intensity.
2. Touch and drag the sliders to adjust the vibration intensity for Notification and Haptic feedback.

Notifications

Select a default sound for messages, alarms, and other notifications.

1. From the Settings screen, touch Device tab ➔ Sound ➔ Volume ➔ Default notification sound.
2. Touch a sound to hear a sample and to 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.

Samsung Applications
Set your applications’ notification sound settings.

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

Samsung Keyboard
Set Samsung 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**: Vibrate when you touch an onscreen key.

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

- From the Settings screen, touch Device tab → Sound → Audio output.
3. 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 amount of time the touch keys remain lit.
  - **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 Reading mode ➔ 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 options.
  - **Show battery percentage**: Set the device to display the remaining battery life on the Status Bar.
  - **Edit after screen capture**: Go to the edit screen after taking a screen capture.
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 20.

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 9.

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.
   - **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.
- **Wake up in lock screen**: Unlock the screen using wake-up command when swipe or motion lock is enabled.
- **Help text**: Show help information on the Lock screen.

**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.
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.

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.
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 27.

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. Recommended apps will be shown on the Notification Panel after certain actions, such as inserting earphones into the headset jack. Touch Recommended apps for options:
   • Earphones: Touch to select which apps to display on the Notification Panel when you use 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 22.
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 not enabled, 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 Quick Settings screen. Touch **Screen rotation** to enable or disable the auto rotate feature. For more information, refer to “Notification Panel” on page 22.

- **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 107.
- **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.
- **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.

---

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.
- **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.

---

- **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 116.
• **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, 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.

Configuring the 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**: 
  – **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.

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.

Mouseover

Show information information when you move the pointer over certain items on the screen.

1. From the Settings screen, touch Controls tab ➔ Language and input ➔ Mouseover.
2. Touch the OFF/ON button to turn it ON 🌟. The following options are available:
   - Preview and icon labels: Show previews, progress information, speed dial information and icon labels.
   - List scrolling: Scroll up and down lists by holding the mouse pointer over the edge of the screen.

Pointer Speed

Set the pointer speed for an external mouse or trackpad (not included).

1. From the Settings screen, touch Controls tab ➔ Language and input.
2. 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.

Motion

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 option 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 33.

Managing Accounts
To view the accounts you have added:
1. From the Settings screen, touch General tab ➔ Accounts ➔ <account>.

   The <account> is either a Google account, Samsung account, or some other account you have added, such as Email.

2. Touch Sync all to synchronize all accounts listed.
   – or –
   Touch an account ➔ Sync now to synchronize all data for the selected account.

To remove an account
- 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.
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 “Cloud” on page 121.
   - 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 72.

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. The following options are available:

  HDMI
  • Audio output: Select stereo or surround sound when connected to an HDMI device.

  Book Cover
  • Automatic unlock: Flip the cover open to unlock the screen when secure lock is turned off.
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 91.
• **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**

Shared 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.

**Setting Up User Profiles**

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.

- From the **Settings** screen, touch **General** tab ➔ **Users**, and follow the onscreen instructions to set up a new user profile.
Changing Users

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 35.

Deleting a User or Profile

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

- 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 9.
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 9.

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 34.

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 the onscreen instructions.

Passwords
Briefly display password characters 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.)
   • **Model number**: Display your device’s model number.
   • **Android version**: Display the Android 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 8: 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:
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: A3LSMT900 [Model Number: SM-T900] and the specific SAR levels for this [mobile phone/tablet/device] can be found at the following FCC website:


The SAR information for this device can also be found on Samsung’s website:


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

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](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.

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](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
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;

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
• 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 9: 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 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)
No reproduction in whole or in part allowed without prior written approval. Specifications and availability subject to change without notice. [111611]

End User License Agreement for Software

IMPORTANT. READ CAREFULLY: This End User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. ("Samsung") for software, owned by Samsung and its affiliated companies and its third party suppliers and licensors, that accompanies this EULA, which 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.
Certain items of the Software may be subject to open source licenses. The open source license provisions may override some of the terms of this EULA. We make the applicable open source licenses available to you on the Legal Notices section of the Settings menu of your device.

2. **RESERVATION OF RIGHTS AND OWNERSHIP.** Samsung reserves all rights not expressly granted to you in this EULA. The Software is protected by copyright and other intellectual property laws and treaties. Samsung or its suppliers own the title, copyright and other intellectual property rights in the Software. The Software is licensed, not sold.

3. **LIMITATIONS ON END USER RIGHTS.** You may not reverse engineer, decompile, disassemble, or otherwise attempt to discover the source code or algorithms of, the Software (except and only to the extent that such activity is expressly permitted by applicable law not withstanding this limitation), or modify, or disable any features of, the Software, or create derivative works based on the Software. You may not rent, lease, lend, sublicense or provide commercial hosting services with the Software.

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](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 PARTICULAR PURPOSE, RELIABILITY OR AVAILABILITY, ACCURACY, LACK OF VIRUSES, QUIET ENJOYMENT, NON INFRINGEMENT OF THIRD PARTY RIGHTS OR OTHER VIOLATION OF RIGHTS. SOME JURISDICTIONS DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY YOU FROM SAMSUNG OR ITS AFFILIATES SHALL BE DEEMED TO ALTER THIS DISCLAIMER BY SAMSUNG OF WARRANTY REGARDING THE SOFTWARE, OR TO CREATE ANY WARRANTY OF ANY SORT FROM SAMSUNG.

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

WARRANTY REGARDING WHETHER YOUR PERSONAL INFORMATION IS CAPTURED BY ANY THIRD PARTY APPLICATION PROVIDER OR THE USE TO WHICH SUCH PERSONAL INFORMATION MAY BE PUT BY SUCH THIRD PARTY APPLICATION PROVIDER.

12. SAMSUNG APPLICATIONS. Certain Samsung applications and services may be included with, or downloaded to, this mobile device. Many of them require Samsung Services membership registration (“Samsung Account”), and your rights and obligations will be set forth in separate Samsung Account terms and conditions and privacy policies. There are non-Samsung Account applications and services that require your consent to their separate terms and conditions and privacy policies. You expressly acknowledge and agree that your use of such applications and services will be subject to the applicable terms and conditions and privacy policies.

13. LIMITATION OF LIABILITY. SAMSUNG WILL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND ARISING OUT OF OR RELATING TO THE USE OR THE INABILITY TO USE THE SOFTWARE OR ANY THIRD PARTY APPLICATION, ITS CONTENT OR FUNCTIONALITY, INCLUDING BUT NOT LIMITED TO DAMAGES CAUSED BY OR RELATED TO ERRORS, OMISSIONS, INTERRUPTIONS, DEFECTS, DELAY IN OPERATION OR TRANSMISSION, COMPUTER VIRUS, FAILURE
TO CONNECT, NETWORK CHARGES, IN-APP PURCHASES, AND ALL OTHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. NOTWITHSTANDING THE FOREGOING, SAMSUNG ELECTRONIC CO.’S TOTAL LIABILITY TO YOU FOR ALL LOSSES, DAMAGES, CAUSES OF ACTION, INCLUDING BUT NOT LIMITED TO THOSE BASED ON CONTRACT, TORT, OR OTHERWISE, ARISING OUT OF YOUR USE OF THE SOFTWARE OR THIRD PARTY APPLICATIONS ON THIS MOBILE DEVICE, OR ANY OTHER PROVISION OF THIS EULA, SHALL NOT EXCEED THE AMOUNT PURCHASER PAID SPECIFICALLY FOR THIS MOBILE DEVICE OR ANY SUCH THIRD PARTY APPLICATION THAT WAS INCLUDED WITH THIS MOBILE DEVICE. THE FOREGOING LIMITATIONS, EXCLUSIONS, AND DISCLAIMERS (INCLUDING SECTIONS 10, 11, 12 AND 13) SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EVEN IF ANY REMEDY FAILS ITS ESSENTIAL PURPOSE.

14. U.S. GOVERNMENT END USERS RESTRICTED RIGHTS. The Software is licensed only with "restricted rights" and as "commercial items" consisting of "commercial software" and "commercial software documentation" with only those rights as are granted to all other end users pursuant to the terms and conditions herein. All Products are provided only with "restricted rights" with only those rights as are granted to all other end users pursuant to the terms and conditions herein. All Software and Products are provided subject to Federal Acquisition Regulation (FAR) 52.227.19.

15. APPLICABLE LAW. This EULA is governed by the laws of the jurisdiction where you are a resident or, if a resident of the United States, by the laws of the state of Texas, without regard to its conflict of law provisions. This EULA shall not be governed by the UN Convention on Contracts for the International Sale of Goods, the application of which is expressly excluded.

16. DISPUTE RESOLUTION.

(a) Non-United States residents. If a dispute, controversy or difference arising in any way from this EULA or your use of the Software is not amicably settled, it shall be subject to the non-exclusive jurisdiction of the courts of the jurisdiction

Warranty Information 167
where you are a resident. Notwithstanding the foregoing, Samsung may apply for injunctive remedies (or an equivalent type of urgent legal relief) in any jurisdiction.

(b) United States residents. ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS EULA OR YOUR USE OF THE SOFTWARE 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 any other person’s or entity’s claim or dispute, 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 EULA 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 EULA. 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 licensing or use of the Software. 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 this device. 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 device was purchased; (c) the device 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 device box; (ii) on the device information screen, which can be found under "Settings;" (iii) on a label on the back of the device beneath the battery, if the battery is removable; and (iv) on the outside of the device 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 device 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 your use of the device or its preloaded Software, and you will continue to enjoy the benefits of this license.

17. ENTIRE AGREEMENT; SEVERABILITY. This EULA is the entire agreement between you and Samsung relating to the Software and supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the Software or any other subject matter covered by this EULA. If any provision of this EULA is held to be void, invalid, unenforceable or illegal, the other provisions shall continue in full force and effect. [050113]
## Index

**A**
- Accounts setting up 33
- Antenna 10
- Application Folders 58
- Application Manager settings downloaded apps 124 running services 125
- Applications 27
- Apps Play Store 89

**B**
- Back Button 17
- Battery charging 6 indicator 6
- Battery Use & Safety 145

**C**
- Care and Maintenance 149
- Commercial Mobile Alerting System (CMAS) 143
- Contacts display options 36 exporting and importing 38 groups 38 link 37 linking 36 separate linked 37 sharing namecards 37 starred contacts 40 updating 35

**D**
- Display Using Negative Colors 112
- Display / Touch-Screen 147
- Display Settings font style and size 110
- timeout 106

**E**
- Do cell phones pose a health hazard? 136
- Downloads managing 56

**F**
- Email
  - Combined view 42
  - composing and sending 43
  - configuring accounts 41
  - deleting accounts 42
  - refreshing 42

**G**
- Exposure to Radio Frequency (RF) Signals 136
- FCC Notice and Cautions 154
- Gmail
  - account settings 44
  - composing and sending 44
refreshing your account 44
setting up your account 44

Google
Drive 72
Gmail 41, 44
Google Account 34
Photos 87
Play Games 88
Play Movies & TV 88
Play Music 88
Play Store 89

GPS 148
GPS Applications 60

Groups
creating 38

Hancom Viewer 78

Health and Safety Information 136

Home Screen 13
folders 26
wallpaper 27

Home Screens
customizing 15

Infrared Blaster 12
Internet 79

Language and Input Settings
select language 114

Location Services Settings 100

Lock Screen
Shortcuts 108

Locking and Unlocking the Device 10

Memory Card
installing 9
removing 130

Messages
e-mail 41
Gmail 41, 44
types 41

Motion
Capture screen 19
Mute/Pause 20
Pan 19
Tilt 19

Multi Window 20
Music
creating a playlist 82
Play Music 88
Mute/Pause (Motion) 20

Namecards
sending 37

Navigation 17

Nearby Devices
settings 103
status 24

Negative Colors 112
Notification Panel 22
Notifications 22

Operating Environment 152
Other Important Safety Information 154

Pairing with Bluetooth 51
Pan (Motion) 19
Warranty Information 157
WatchON
  help 95
  Initial Configuration 95
  settings 95
Wi-Fi
  adding a connection manually 47
  Direct settings 98
  scanning and connecting 47
  settings 48, 98
  turning on or off 46
WiFi (see Wi-Fi) 46
Wi-Fi Direct 24, 49
Windows Media Player
  synchronizing with 56
Wireless Networking
  Bluetooth 50
  Wi-Fi 46
XT9 Predictive Text 114