

Samsung GALAXY Tab[®] 2 7.0

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

User Manual

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



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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 187.

Also included is important safety information, beginning on page 155, 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 14.

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
→ Display → Screen timeout.

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.

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.

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 153.

Tip: Touch the Time field to display battery charge status.

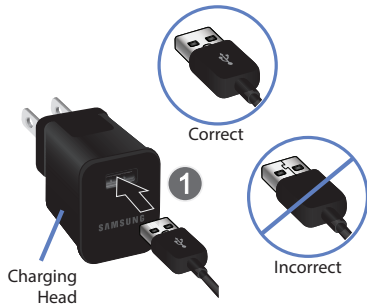
Charging the Battery

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

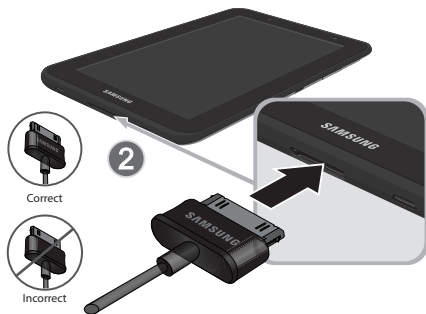
Note: The battery comes partially charged. You must fully charge the battery before using your device for the first time.

After the first charge, you can use the device while charging.

1. Insert the USB cable into the Charging Head (1).



2. Insert the USB cable into the device's Charger/Accessory Port (2).



3. Plug the Charging Head into a standard AC power 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.

Turning Your Device On and Off

Turning Your Device On

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

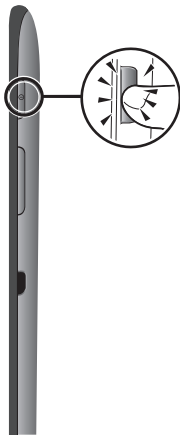


For more information, refer to “*Unlocking the Device*” on page 15.

Note: 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. For more information, refer to “*GPS Applications*” on page 100.

Turning Your Device Off

1. Press and hold the **Power/Lock Key**
2. At the prompt, touch **Power off** → **OK**.



Setting Up Your Device

When you first turn on your device, you are asked to set up a few things. To do that, the following screens display. Some screens can be skipped (touch **Skip**) or re-displayed (touch **Back**). Some screens display depending on the options you choose.

Select Language

1. Touch the language field, scroll through the list, and touch the language you want your device to use, such as, English (United States).
2. Touch **Start**.

Wi-Fi

Make sure the Wi-Fi **OFF / ON** icon is set to ON  and choose one of the following options:

- Touch **Add Wi-Fi network** to enter a Network SSID that is not listed.
- Touch **Scan** to make sure you have an accurate list of Wi-Fi networks.
- Touch one of the Wi-Fi networks in the list, enter the password, and touch **Connect**. Touch and connect to another Wi-Fi network or touch **Next** to continue.

- Touch **Skip** to perform this task later. For more information, refer to “*Wi-Fi*” on page 123.

Set Date and Time

1. Touch **Set date** and set the date (month, day, year), and then touch **Set**.
2. Touch **Set time** and set the time (hour, minute, and AM or PM), and then touch **Set**.
3. Touch **Select time zone** and select the correct time zone.
4. Touch **Next**.

Samsung Account

Sign in to your Samsung account to use Samsung services.

1. Touch **variety of services** to learn more.
2. Touch **Create new account** to create a Samsung account.

– or –

Touch **Sign in** if you already have a Samsung account.
Touch **Restore** and **Auto backup**, if desired. Touch **Next**.

– or –

Touch **Skip** to perform this task later. For more information, refer to “*Signing In to your Samsung Account*” on page 148.

Got Google?

Your new device uses your Google account to fully use its Android features, including Gmail, Maps, Navigation, Google Talk, and Google Play.

The Got Google? screen allows you to sign in, if you already have a Google account.

Note: If you skipped Wi-Fi setup, the Wi-Fi setup screen displays and you must connect through a Wi-Fi network.

- Touch **Yes** and then enter the email address and password of your existing account.

Touch  to continue.

– or –

- Touch **No** to proceed to the next screen.

Make it Google

This screen displays if you did not sign into your Google account.

The Make it Google screen allows you to create a new Google account.

Note: If you skipped Wi-Fi setup, the Wi-Fi setup screen displays and you must connect through a Wi-Fi network.

- Touch **Get an account** or enter the email address and password of your existing account.
– or –
- Touch **Not now** to perform this task later. For more information, refer to “*Setting Up Your Gmail Account*” on page 49.


Entertainment

This screen displays if you signed in to your Google account.

- Touch **Set up a credit card**, enter credit card information for your Google Play account, and touch **Save**.
– or –
Touch **Not now**.


Backup and Restore

This screen also displays if you signed in to your Google account.

1. Read the backup and restore information.
2. Enable either or both options.
3. Touch  to continue.

The Restoring screen displays while your information is being restored.


Google & Location

1. Read the information on the screen and enable either or both of the Google location services.
2. Touch  to continue.

This Tablet Belongs To ...

This screen displays if you did not sign into your Google account.

To personalize the tablet with your name:

1. Touch the First and Last fields and use the on-screen keyboard to enter you first and last name.
2. Touch  to continue.

Setup Complete

Congratulations! Your device is set up and ready to use.

- Touch **Finish**.

The main Home screen displays.

Retrieving Your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From your computer, use an Internet browser to navigate to <http://google.com/accounts>.
2. Once the URL loads, click on the **Can't access your account?** link and follow the on-screen instructions.

Using Google Maps

In order to use some applications related to Google Maps, you must first connect Wi-Fi. For more information, refer to “*Wi-Fi*” on page 123.

You must also enable location services to use Google Maps. Some features require Standalone or Google location services. For more information, refer to “*Location Services*” on page 135.

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.

Task Manager Pop-Up




The Task manager pop-up provides information about **Active applications** and includes a **RAM manager**. It also has a link to the Task Manager application.

To access the Task manager pop-up:

1. From a Home screen, touch  **Mini App Tray**
→  **Task manager**.
– or –

Add the Application monitor widget to a Home screen and then touch **Application monitor** on the Application monitor widget. For more information, refer to “*Widgets*” on page 32.

The Task manager pop-up displays.

2. Touch the **Active applications** tab to view applications running on your device. Touch  to end an application or **End all** to stop all running applications.
3. Touch the **RAM manager** tab to display the amount of Random Access Memory (RAM) currently in use. Touch **Clear memory** to clear inactive and background processes.
4. Touch  in the top right corner of the Task manager pop-up to close the application.
5. Touch  in the top left corner to display the Task Manager application.



Task Manager Application

The Task Manager application provides information about applications, including **Active applications**, **Downloaded**, **RAM manager**, **Storage**, and **Help**.

To access the Task Manager:

1. Access Task Manager from the Task manager pop-up. For more information, refer to “*Task Manager Pop-Up*” on page 11.

– or –

Touch  **Navigation** and then touch  **Task manager**.

2. Touch **Active applications** to view applications running on your device. Touch **End** to end an application or **End all** to end all running applications.
3. Touch **Downloaded** to view applications installed from Google Play. Touch **Uninstall** to remove an application from your device.
4. Touch **RAM manager** to display the amount of Random Access Memory (RAM) currently in use. Touch **Clear memory** to clear inactive and background processes.
5. Touch **Storage** to view internal (Device memory) and external (SD card) storage memory statistics.
6. Touch **Help** to view useful tips for extending battery life.

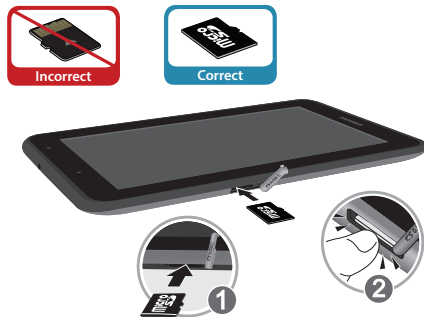
Memory Card

Your device supports removable microSD or microSDHC memory cards with maximum capacities of 32 GB (depending on the memory card manufacturer and type). Memory cards are used to store music, photos, videos, and other files.

Note: You can only store music files that you own (from a CD or purchased with the device) on a memory card.

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 (1), pushing gently until it clicks into place (2).
3. Replace the Memory Card Slot cover.

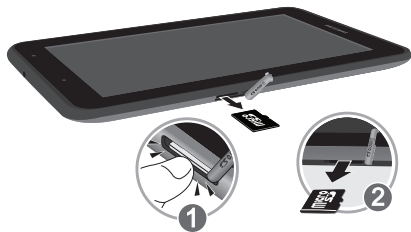


Removing a Memory Card

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

1. From a Home screen, touch  Apps →  Settings → 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 down on the memory card (1), so that it pops out from the slot, and carefully pull the card out (2).
5. Replace the Memory Card Slot cover.

For more information, refer to “*Memory Card*” on page 98.

Galaxy Tab Accessories

To find accessories for your Galaxy Tab:

1. Go to <http://www.samsung.com/us/mobile/galaxy-tab-accessories>.

Galaxy Tab accessories display.

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. You can unlock the device using one of the default Unlock screens or, for increased security, use a personal screen unlock pattern.

For more information about creating and enabling a Screen unlock pattern, see “*Screen Lock*” on page 136.

For other settings related to securing your device, see “*Location Services*” on page 135.

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** .

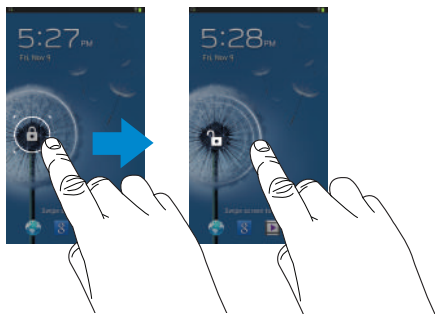
Unlocking the Device

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

The Lock screen displays.



2. Swipe across the screen as shown.



The last screen you accessed displays.

Tip: Touch one of the app shortcut icons and then swipe to launch that application.

Note: You can customize the Lock screen and set the type of Screen Unlock you want to use (Face unlock, Pattern, PIN, or Password). For more information, refer to “Screen Lock” on page 136.

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 10 to 15 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

- 7.0-inch WSVGA (1024x600) TFT (PLS) LCD touch screen
- Android Version 4.1.2
- Bluetooth 3.0 Wireless technology. For more information, refer to “*Bluetooth*” on page 125.
- Built-in Wi-Fi technology (802.11 b/g/n)
- 3.2 Megapixel camera and camcorder plus 0.3 Megapixel forward-facing VGA camera
- Full integration of Google applications (Gmail, YouTube, Google Maps, and Voice Search)
- Messaging Features:
 - Gmail
 - Email (corporate and personal)
 - Google Talk (Instant Messaging and Video Chat)
- Photo Gallery that supports GIF, AGIF, JPEG, PNG, BMP, WBMP, and WEBP formats
- HD Video Player (1080p)
 - Codec: MPEG4, H.264, H.263, VC-1, DivX, VP8, WMV7/8, Sorenson Spark
 - Format: 3GP (MP4), WMV (ASF), AVI (DivX), MKV, FLV, WEBM
- DivX Certified[®] to play DivX[®] video up to HD 720p, including premium content
- Music player that supports MP3, AAC/AAC+/EAAC+, WMA, OGG (vorbis), FLAC, AC-3 (only with video), and Vorbis formats
- 1GB RAM memory and 8GB on-board memory, which is used for data storage and access
- Support for microSD and microSDHC Memory Cards
- Preloaded applications such as AllShare Play, Google Play Books, Google Play Store, Music Hub, Polaris Office, Readers Hub, and Samsung Media Hub. For more information, refer to “*More Application Information*” on page 37.

Warning! This device does not support some USB storage media devices. For more information, refer to “*Galaxy Tab Accessories*” on page 14.

Top and Front View

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

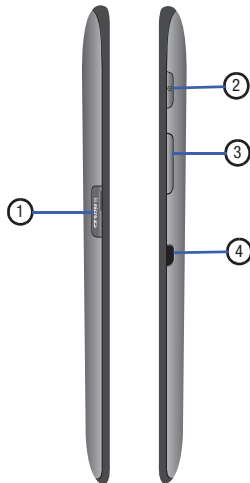
1. **Light Sensor:** Used to control screen brightness automatically and when taking photos with the front-facing Camera.
2. **3.5mm Headset Jack:** Plug in for headphones.
3. **Microphone:** Used for voice recording or video chat.
4. **Front-facing Camera Lens:** Used when taking photos or recording videos.
5. **Display Screen:** The orientation of the display screen rotates with the tablet as you turn it. You can turn this feature on and off. For more information, refer to “System” on page 149.



Side Views

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

1. **Memory Card Slot:** Install a memory card for storage of files.
2. **Power/Lock Key:** Press and hold to turn the device on or off. Press to lock the device or to wake the screen for unlocking.
3. **Volume Key:** From a Home screen, press to adjust Master Volume. During music playback, press to adjust volume.
4. **Infrared Blaster:** Used to emit infrared signals used for controlling external devices. For more information, refer to “*Smart Remote*” on page 119.



Back and Bottom Views

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

1. **Camera Lens:** Used when taking photos or recording videos.
2. **External Speakers:** Used in music or video playback, notification tones, and for other sounds.
3. **Charger/Accessory Port:** Plug in a USB cable for charging or to sync music and files.




Home Screen

The Home screen is the starting point for using your device.

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

1. **System Bar:** The area along the top of the Home screen where you can find icons that show notifications, battery power, and connection details. For a list of icons, see “*Status Bar*” on page 30.
2. **Widgets:** Applications that run on the Home screen. Some widgets are found on the Home screens by default. For more information, refer to “*Widgets*” on page 32.
3. **Google Search:** Search the web by typing or speaking. For more information, refer to “*Google Search*” on page 55.
4. **Home screen:** The starting point for using your device. Place shortcuts, widgets, and other items to customize your device to your needs.



5. **App Shortcuts:** Shortcuts to common applications. For more information, refer to *“App Shortcuts”* on page 32.
6. **Current screen:** Indicates which Home screen is being displayed. For more information, refer to *“Extended Home Screen”* on page 23.
7. **Primary Shortcuts:** Shortcuts to common features. These shortcuts are found on all Home screens by default. For more information, refer to *“Primary Shortcuts”* on page 31.
8. **Navigation:** Open a list of thumbnail images of apps you have worked with recently. Touch an App to open it. Touch and hold to display the Apps screen. Touch and then touch **Task manager** to display the Task Manager.
9. **Home:** Display the central Home screen. Touch and hold to display the Task Manager pop-up.
10. **Back:** Return to the previous screen or option.
11. **Mini App Tray:** Shortcuts to apps that you can use anytime, such as a calculator, email, and a music player. For more information, refer to *“Mini App Tray”* on page 35.
12. **Apps:** Display the Apps screen.
13. **Time:** The current time. For more information, refer to *“Date and Time”* on page 149.
14. **Status Icons:** Indicate the status of your tablet.
15. **Status Details Panel:** Touch the top of the screen and swipe downward to display the Status Details panel. Touch  **Back** to remove the Status Details panel. For more information, refer to *“Status Bar”* on page 30.

Extended Home Screen

The Home screen consists of the Home panel, plus four panels that extend beyond the display width to provide more space for adding shortcuts and widgets.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the top of the display shows your current position.

Note: The center panel displays when you touch  **Home**.

Customizing the Home Screens

To customize the Home screens to suit your preferences:

1. Navigate to one of the Home screen panels.
2. Touch and hold on the screen until the **Home screen** pop-up displays.
3. Touch **Set wallpaper** to change the Home screen wallpaper. For more information, refer to “*Wallpapers*” on page 34.

4. Under **Add to Home screen** touch:


- **Apps and widgets** to add app or widget shortcuts on the Home screen.
- **Folder** to add a folder on a Home screen. For more information, refer to “*Folders*” on page 33.
- **Page** to add a Home screen.

Display Settings

You can customize display screen settings to your preferences. For more information, refer to “*Display*” on page 130.

Adding and Removing Home Screen Panels

Your device comes with seven Home screen panels. You can customize the Home screen by removing or adding panels.

Note: The panel in the center position displays when you touch  **Home**.

1. From a Home screen, pinch the screen from the left and right side to the center to display the editing screen.

Tip: Touch and hold on the screen until the **Home screen** pop-up displays. Under **Add to Home screen**, touch **Page** to add a Home screen.



2. Use these controls to configure panels:




Remove: Touch and drag a panel to the Trash Can to remove the panel from the Home screen.



Add: Touch to add a new panel, up to a total of seven. This option is available when less than seven panels have been added.



Default Home Page: Touch the Home icon at the upper right corner of a panel to set it as the default home screen.


3. To rearrange the order of panels, touch and drag a panel to a new location.
4. Touch  **Back** to return to the Home screen


Navigating Your Device

Use command buttons and the touch screen to navigate.

Command Buttons

Navigation

Touch  **Navigation** to open a list of thumbnail images of apps you have worked with recently. Touch an App to open it.

Touch  **Task manager** to display the Task Manager.


Touch  **Google** to display the Google Search widget.


Touch  **Delete all** to clear all thumbnail images.

Home

Touch  **Home** to display the first center Home screen.

Back

Touch  **Back** to return to the previous screen, option, or step.

Note: When the on-screen keyboard is active,  **Close Keyboard** displays.


Mini App Tray

Touch  **Mini App Tray** to display shortcuts to apps that you might need while working in other apps. For more information, refer to “*Mini App Tray*” on page 35.

Other Buttons

Context-Sensitive Menus

Context-sensitive menus offer options for features or screens. To access context-sensitive menus:

- Touch  **Menu** to display a list of options.
- Touch an option in the list.

Application Bar

The Application Bar is the area along the top of various application screens. It usually contains the Search and Menu icons, as well as other icons that are used to display options and settings.

Screen Navigation

Touch

Touch items to select or launch them. For example:

- Touch the on-screen keyboard to enter characters or text.
- Touch a menu item to select it.
- Touch an application’s icon to launch the application.

Touch and Hold

Activate on-screen items. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe, Flick, or Slide

Swipe, flick, or slide your finger vertically or horizontally across the screen. For example:

- Unlocking the screen.
- Scrolling the Home screens or a menu.

Pinch

Use two fingers, such as your index finger and thumb, to make an inward pinch motion on the screen, as if you are picking something up, or an outward motion by sweeping your fingers out.





For example:

- Pinch a photo in Gallery to zoom in.
- Pinch a webpage to zoom in or out.



Screen Capture

To capture an image of the current screen:

- Press and hold the **Volume Down Key**  and the **Power/Lock Key**  at the same time for a couple of seconds 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**
→  **My Files**.
2. Touch **sdcard0** → **Pictures** → **Screenshots**.
3. Touch a screen capture file to display it.

Notifications

When you receive a notification, the Notification icon displays on the left end of the System Bar. Notifications indicate the arrival of Gmail, Email, alarms, and more.

Touch the top of the screen and swipe downward to display the Status Details panel and the Notifications list to view all of your current notifications. Touch a Notification in the list to display the item. For example, touch a Gmail entry to open the Gmail application and view the message.

Most apps that send notifications, such as Gmail and Google Talk, have individual settings that can be configured. See the settings for individual applications in the applicable section of this user manual.

Status Details

To display the current date and time, battery status, and Wi-Fi connectivity status, open Status Details.

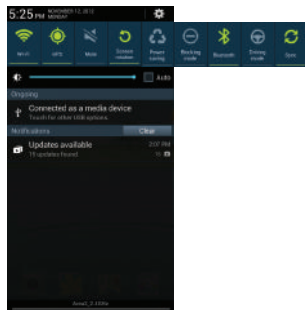
1. Touch the top of the screen and swipe downward.
The Status Details display. If you have any current notifications, their summaries are listed below the Notifications title.
2. Touch a notification summary to respond to it.
3. Touch outside the Status Details screen to close the window.


Quick Settings

To view and control the most common settings for your tablet, as well as accessing the complete Settings application, open the Quick Settings panel.

1. Touch the top of the screen and swipe downward.
The Quick Settings pop-up displays.

Note: This pop-up displays both Status Details and Quick Settings and is referred to by both names in this manual.



2. Touch the time at the top of the pop-up to display a Date and time pop-up. Touch **Use 24-hour format** to enable the 24-hour format. Touch **Set date and time** to display the Date & time settings screen. For more information, refer to “*Date and Time*” on page 149.
3. Touch  **Settings** to open the Settings application. For more information, refer to “*Settings*” on page 123.

4. The Quick Settings are:

- **Wi-Fi:** Touch to enable or disable Wi-Fi. For more information, refer to “*Wi-Fi*” on page 123.
- **GPS:** Touch to enable or disable **Standalone GPS services**. For more information, refer to “*Use GPS Satellites*” on page 136.
- **Sound / Mute:** Touch to enable or disable sound mode.
- **Screen rotation:** When On the screen rotates automatically from landscape to portrait and vice versa. When Off the screen is fixed in the current mode, either portrait or landscape. For more information, refer to “*System*” on page 149.
- **Power saving:** When enabled, your device automatically analyzes the screen and adjusts the brightness to conserve battery power. For more information, refer to “*Power Saving Mode*” on page 133.

Sweep the pop-up to the left to see additional settings.

- **Blocking mode:** Touch to enable or disable Blocking mode. For more information, refer to “*Blocking Mode*” on page 129.

- **Bluetooth:** Touch to enable or disable Bluetooth. For more information, refer to “*Bluetooth*” on page 94.
- **Driving mode:** New notifications are read aloud when enabled.
- **Sync:** Synchronizes your device with the network. Synchronizes contacts, email, time, and a variety of accounts.

5. 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 “*Brightness*” on page 131.
6. **Notifications** displays system notifications. Touch a notification entry to display the details. Touch **Clear** to remove Notification Icons from the System Bar. For more information, refer to “*Notifications*” on page 26.
7. Close the Quick Settings by touching outside the Quick Settings pop-up.

Notifications display in the System Bar and, in some cases, under the Notifications heading in the Quick Settings to alert you to activity on the tablet such as new messages, application downloads, software updates, and more. The following table lists those icons.



System Alert: Check under the Notifications heading in the Quick Settings for alerts.



Download: An application or file is being downloaded or has been downloaded to the device.



Download Successful: A recent application download or update completed successfully.



New Email Message: You have new email. Touch Reply to view and answer the email.



New Gmail Message: You have new Gmail. Touch the icon for additional information.



Google Talk Invitation: Someone has invited you to chat using Google Talk.



Music Player: Music is playing. For more information, refer to *“Accessing the Music Player”* on page 69.



Music App: A song is playing in the Music app. Touch the Status Details to see the song title and music player controls. For more information, refer to *“Play Music App”* on page 63.



Wi-Fi networks available: An open Wi-Fi network is in range.



GPS Active: Displays when GPS is active.



Software update: There may be a software update available for this device. For more information, refer to *“Software Update”* on page 154.



Updates Available: Updates to the applications you have downloaded are available.



Choose input method: When the keyboard is being displayed, touch this icon to display a menu of quick keyboard settings.



Wi-Fi Direct: Displays when Wi-Fi Direct is active and your tablet is connected to another device. For more information, refer to *“Wi-Fi Direct”* on page 92.



Screenshot Captured: A screenshot has been captured. For more information, refer to “*Screen Capture*” on page 26.



Nearby Devices: The Nearby devices setting is enabled. For more information, refer to “*Nearby Devices*” on page 128.



Blocking Mode: Notifications for selected features are disabled. For more information, refer to “*Blocking Mode*” on page 129.



Event: This is a notification for one or more events. For more information, refer to “*Creating an Event or Task*” on page 105.



Navigation Active: The Navigation App is active. For more information, refer to “*Navigation*” on page 61.



USB Connected: Device is connected to a computer using a USB cable.

Status Bar

The Status Bar is part of the System Bar and displays icons to show network status, battery power, and other details.



Battery Level: Shown fully charged.



Charging Indicator: Battery is charging.



Device Power Critical: Battery has only three percent power remaining. At about 15 percent power remaining, a popup is displayed to remind you to charge immediately.



USB Connection Indicator: The device is connected to a computer using a USB cable, but it is not charging. The battery is only charged while connected to a computer, if the device is turned off. When the device is off, press the Power/Lock key to see the battery charging indicator.



Battery Fully Charged: When the battery is fully charged, this indicator is displayed.



Airplane Mode: Indicates that the Airplane Mode is active, which allows you to use many of your device's features, but it cannot access online information or applications.



Bluetooth Active: Bluetooth is turned on. For more information, refer to “*Bluetooth*” on page 94.



Bluetooth Connected: Your device is connected to a Bluetooth device.



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



Alarm Set: Displays when you set an alarm to ring at a specified time. For more information, refer to “*Alarm*” on page 101.

Primary Shortcuts

Primary Shortcuts display on each Home screen at the bottom of the screen in portrait mode and along the right side of the screen in landscape mode.

Tip: The main Home screen is usually the center Home screen.

The default Primary Shortcuts are: Contacts, Email, Calendar, Internet, Settings and Apps.

Other App Shortcuts

There are also other application shortcuts on the main Home screen that display above the Primary Shortcuts in portrait mode and along the bottom of the screen in landscape mode.

The default app shortcuts on the main Home screen are: Dropbox, Camera, Gallery, Maps, Samsung Apps, and Play Store.

The default app shortcuts that display on the second Home screen are: Media Hub, YouTube, Amazon Kindle, Polaris Office, Smart Remote, and Netflix.

For more information, refer to “*More Application Information*” on page 37.

Application shortcuts can be added to any Home screen. For more information, refer to “*App Shortcuts*” on page 32.


Widgets

When you first turn on your tablet, there are various widgets on the center Home screen. They can also appear on the Home screens to the left and right of the center Home screen.

Widgets are self-contained applications that you can place on the Home screens to access your favorite features.

For more information, refer to “*Applications and Widgets*” on page 100.

Adding Widgets to a Home screen


1. Navigate to the Home screen on which you want to place the Widget and touch  **Apps**.
2. Touch the **Widgets** tab.

Note: Swipe across the screen horizontally to view all Widgets.

3. Touch and hold the widget’s icon until the Home screen displays, then slide your finger where you want to place the icon and release it.

Note: There must be room on the screen where you want to place the widget, otherwise the widget will not add to the Home screen.


Removing Widgets

- Touch and hold the Widget until the  **Remove** icon displays, then drag the widget to the **Remove** icon.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

App Shortcuts

Use App Shortcuts for quick access to applications or features, such as Email or other applications.

1. Navigate to the Home screen on which you want to place the App Shortcut.
2. Touch  **Apps**.
– or –


Touch and hold on the screen until the **Home screen** options pop-up displays and then touch **Apps and widgets**.

3. Touch the **Apps** tab.
4. Touch and hold the application icon until the Home screen displays, then slide your finger where you want to place the icon and release it.

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

5. Touch and hold the App Shortcut and then drag the application icon to reposition it on the Home screen.

Removing App Shortcuts

- Touch and hold the App Shortcut until  **Remove** displays, then drag the App Shortcut to the **Remove** icon.

Folders

Place Folders on a Home screen to organize items together.

Adding Folders

To create a folder on a Home page:

1. Navigate to the desired Home screen.
2. Touch and hold on the screen until the **Home screen** pop-up displays and then touch **Folder**.
The Create folder pop-up displays.

3. Touch the **Unnamed folder** field, use the keyboard to enter a name for the folder, and touch **OK**.
A new folder displays on the Home screen.

Managing Folders

To rename a folder:

- Touch the folder, touch the current name, and use the keyboard to enter a new name for the folder.


To add an App shortcut to a folder:

1. Add the App shortcut to the Home screen that the folder is on.
2. Touch and hold the App shortcut, drag it to the folder, and drop it.

To remove an App shortcut from a folder:

1. Touch the folder to view the contents.
2. Touch the App shortcut, drag it out of the folder, and drop it on the Home screen.

Removing a Folder

- Touch and hold the folder until the  **Remove** icon displays, then drag the folder to the **Remove** icon.

Note: Any App shortcuts in the folder are also removed.

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 wallpaper images or select a photo you have downloaded or taken with the Camera.

1. From a Home screen, touch and hold on the screen.

The **Home screen** options pop-up displays.

2. Touch **Set wallpaper**.

The Set wallpaper pop-up displays.

3. Touch **Home screen**, **Lock screen**, or **Home and lock screens**.

The **Select wallpaper from** pop-up displays the following options:

- **Gallery:** Access the Gallery to select a photo. Touch a photo to select it. Crop and resize the picture, if desired. Touch **Done** to save the picture as wallpaper. Touch **Cancel** to cancel.
- **Live wallpapers:** Choose from pre-loaded interactive animated wallpapers. Touch a wallpaper to see an example. If available, touch **Settings** to view options for the selection. Touch **Set wallpaper** to save your choice. Touch  **Back** to return to the Live wallpapers menu.
- **Wallpapers:** Choose from pre-loaded wallpaper images. Touch an image to view it. Touch **Set wallpaper** to save it as wallpaper. Touch  **Back** to return to the Home screen.

Note: Live wallpapers is not available for the Lock screen.

Mini App Tray

There are shortcuts available that link to apps that you might need while working in other apps, such as Alarm, Calculator, Music Player, and so on. In some cases, these shortcuts are actually links to the part of the app you need most and they contain a link to the actual app where you can use other functions.



1. From any screen, touch  **Mini App Tray** at the bottom, right of the screen.

The Mini App Tray icons display.




Note: Swipe across the screen horizontally to view all Mini Apps.

2. Touch **Edit** to customize the Mini App Tray. For more information, refer to *“Customizing the Mini App Tray”* on page 35.

3. Touch one of the icons to display a mini app pop-up. The pop-up varies depending on the application. Various controls display at the top of the pop-up and a miniature version of the app displays in the body of the pop-up.
4. Touch items in the body of the pop-up, such as an email entry or keys on the Calculator.
5. Touch the top of an app pop-up and drag the pop-up to the desired position on the screen.
6. Touch  to link to the application. For more information, refer to *“More Application Information”* on page 37. Touch  to close the mini app pop-up.

Customizing the Mini App Tray



You can choose applications to display on the Mini App Tray and arrange them in any order.

1. From any screen, touch  **Mini App Tray** at the bottom, right of the screen.
2. Touch **Edit** at the left side of the tray.
3. Touch and drag apps in and out of the tray or to another position in the tray.
4. Touch **Done** to save your changes.




Apps Screen

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.

The Apps icons are arranged in a customizable grid. To arrange the Apps icons in alphabetical order:



1. From a Home screen, touch  **Apps**.
2. Touch  **Menu** → **View type**.
3. Touch **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 “*App Shortcuts*” on page 32.



To view your downloaded applications:

1. From a Home screen, touch  **Apps**.
2. Touch  **Menu** → **Downloaded applications** 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 “*App Shortcuts*” on page 32.

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** → **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 and Widgets*” on page 100.

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.

Entering Text

Your device uses a virtual QWERTY keyboard for text entry. Use the keyboard to enter letters, punctuation, numbers, and other characters into text entry fields or applications. Access the keyboard by touching any text entry field.

You can also use voice input to speak your inputs.

The virtual QWERTY keyboard displays at the bottom of the screen. By default, when you rotate the device, the screen orientation updates to display the keyboard at the bottom of the screen.

Text Input Methods

Your device offers two text input methods:

- Google voice typing and
- Samsung keyboard.

You can set a default text entry method in Settings. For more information, refer to “*Keyboards and Input Methods*” on page 142.

To choose a text input method while entering text:

1. Touch the top of the screen and swipe downward. The Quick Settings pop-up displays.
2. Touch **Choose input method**.

Using the Samsung Keyboard

The Samsung keyboard is a custom virtual QWERTY keyboard, featuring optional predictive text. Input characters by touching the on-screen keys with your finger or use speech recognition.

You can enable predictive text, to have the Samsung keyboard match your key touches to common words and displays them. Select a word from the display to insert it into your text.

Configuring the Samsung Keyboard

You can configure the Samsung keyboard to your preferences.

- While entering text, touch , then select  from the pop-up menu.

For more information, refer to “*Configuring the Samsung Keyboard*” on page 143.


Entering Upper and Lower Case Letters


The default case is lower case (abc). Enter upper and lower case alphabet letters by touching the Shift key to toggle the case, before touching the letter key(s).

- Touch once to switch from abc to Abc mode
- Touch and hold to switch to ABC mode

Entering Symbols and Numbers

The number keys are displayed at the top of the keyboard and are always available.

To enter common symbols, touch  to switch to symbol mode, then touch the corresponding key.

There are two pages of symbols. Touch  to switch to the next page.

Touch and hold a vowel key (A, E, I, O, U, or Y) or the C, N, or S key to open a small window where you can choose an accented vowel or other alternate letter. Slide to the letter until it is highlighted, and release.

Touch and hold the Period key (.) to open a small window with a set of common symbols.

Using Predictive Text


By using Predictive text, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard.

Note: Enable Predictive text in Samsung keyboard settings.

For more information, refer to “*Configuring the Samsung Keyboard*” on page 143.

While entering characters, potential word matches display in the Predictive text area above the keyboard.

- Touch a word to insert it into your text.

Tip: Touch  to display more words.

Using Google Voice Typing from the Samsung Keyboard

When you enable the Google voice typing setting, you can use your voice to enter text instead of the keyboard.



For more information about enabling Voice input, For more information, refer to *“Using Google Voice Typing”* on page 40.

Editing Text

You can edit the text you enter in text fields by cutting, copying, or pasting text. These operations can be performed within and across apps. However, some apps do not support editing some or all of the text displayed while others may offer their own way to select text.



Editing Existing Text

To edit text that you have entered:


1. Touch the text at the point you want to edit.
The  **Cursor** displays at the point you touched.
2. Touch and drag the **Cursor** to a better position, if necessary.
3. Enter additional text or delete text by repeatedly touching the  **Delete** key.

Copying, Deleting, or Replacing Text

To select and copy, delete, or replace text:


1. Touch and hold the text or word you want to select.
The selected text is highlighted with a   tab at each end of the selection.
2. Touch and drag either tab to select more or less text.

Tip: Touch **Select all** in the Application bar to select all text in the field. Touch on another area of the screen or touch **Done** to deselect the text.


3. Depending on the action you want to take for the selected text, in the Application bar touch:
 - **Select all** to highlight all text in the field.
 - **Cut** to remove the selected text.
 - **Copy** to save the selected text to the clipboard.– or –
Enter text by typing or speaking to replace the selection with what you type.
– or –
Touch the  **Delete** key to delete the selected text.

Pasting Text

To paste previously copied text:

1. Touch the text at the point you want to paste the copied text.
The  **Cursor** displays at the point you touched.
2. Touch the **Cursor**.
A pop-up displays.
3. Touch **Paste** in the pop-up.

To paste text directly from the clipboard:

1. Touch the  **Clipboard** key to display the text saved to the clipboard.
2. Touch a text block to paste that text where the **Cursor** is positioned.

Closing the Keyboard

To close the keyboard:

- Touch  **Close Keyboard**.


Using Google Voice Typing

You can use your voice to enter text using the Google voice typing feature.

While entering text:

1. Touch the top of the screen and swipe downward.
The Quick Settings pop-up displays.
2. Touch **Choose input method** → **Google voice typing**.

– or –

Touch  on the keyboard.

For more information, refer to “*Keyboards and Input Methods*” on page 142.

3. At the **Speak now** prompt, speak clearly and distinctly into the microphone.
The software converts your voice to text, which is displayed in the message.
4. Keep speaking to add more text.
5. Touch **Done** to display the Samsung keyboard.

Section 3: Contacts and Accounts

This section explains how to manage contacts and accounts.

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. For more information, refer to *“Signing In to your Samsung Account”* on page 148.
- **ChatON:** Add your ChatON account. For more information, refer to *“ChatON”* on page 54.
- **Dropbox:** Add your Dropbox account. For more information, refer to *“Dropbox”* on page 108.
- **Email:** Add an Email account to sync Contacts. For more information, refer to *“Email”* on page 50.
- **Facebook:** Add your Facebook account to sync Contacts.
- **Google:** Add your Google account to sync your Contacts, Calendar, and Gmail. For more information, refer to *“Gmail”* on page 49.
- **LDAP:** Add an LDAP account to find entries in an LDAP directory server.

- **Microsoft Exchange ActiveSync:** Add your Exchange account to sync Contacts, Calendar, and Email.
- **Server:** Add a server to sync and access your data.

Setting Up Your Accounts

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



1. From a Home screen, touch  **Apps** →  **Settings** → **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.




Contacts

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

To access Contacts:

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

Creating Contacts

1. From a Home screen, touch  **Apps**
→  **Contacts** → .




The Save contact to pop-up displays.

2. Touch **Device** or an account.
– or –


Touch **Add new account** to add a different account. For more information, refer to “*Setting Up Your Accounts*” on page 41.


3. Touch the Contact photo to set up a photo to identify the contact.

4. Touch contact fields to display the keyboard and enter information:

- Some fields have preset values. Touch the field and touch the desired value. For example, touch the  Label tab and touch a label for the field.
- Other fields have to be input. Touch the field and use the on-screen keyboard to input information.
- Touching the check box next to some fields may make additional fields available.
- Touch  to add additional fields. Touch  to remove an unused field. Also, touch **Add another field** to add other fields.
- Touch the screen and swipe up or down to display additional fields or touch **Next** on the keyboard to move to the next field.

5. Touch  **Back** to remove the keyboard.





6. When you finish entering information, touch  **Save**.
– or –

Touch  **Cancel** → **OK** to cancel and discard changes.

Tip: Display a contact's record and touch the **Email** field to send an email, the **Address** field to display the address on a map, or the **Website** field to link to the website.




Updating Contacts

To update an existing contact:

1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch a contact in the **Contacts** list to view its information.
3. Touch  **Menu** → **Edit** in portrait mode.
– or –
Touch  **Edit** in landscape mode.
4. Continue entering contact information. For more information, refer to “*Creating Contacts*” on page 42.





Deleting Contacts

To delete a contact:

1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch a contact in the **Contacts** list to view its information, and then touch  **Delete**. At the prompt, touch **OK**.





Managing Photo IDs

To remove or update a contact's Photo ID:

1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch  **Menu** → **Edit** in portrait mode.
– or –
Touch  **Edit** in landscape mode.
3. Touch the Contact photo, then touch **Delete**, **Image**, or **Take picture**.

Contacts Display Options

There are various ways to display your Contacts and general Contacts settings.




1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch **Groups**, **Favorites**, or **Contacts**, above the Contacts List, to view contacts various ways:
 - **Groups**: Displays the possible Groups, such as Not assigned, Co-workers, Family, Friends, and so on. The number of contacts in the group is displayed next to the group name. Touch a group name to show only contacts in that group. For more information, refer to “*Creating a New Group*” on page 46.
 - **Favorites**: Show only your favorite, or starred, contacts. For more information, refer to “*Favorites*” on page 47.
 - **Contacts**: Show all your contacts. Touch the **Search** field and enter a keyword to list contacts that contain that keyword.
3. From the **Groups**, **Favorites**, or **Contacts** list, touch  **Menu** to display the options for each grouping.
4. From the **Contacts** list, touch  **Menu** → **Settings** to display and manage Contacts 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 one person.

Linking, or joining, imported contact records allows you to see all the contact's numbers and addresses together in one contact entry. Linking also helps you keep your contacts updated, because any changes that your contacts make to their information in the respective accounts is automatically updated the next time you synchronize with the account.

Joining Contacts

1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch a contact in the **Contacts** list to view its information.
3. Touch  **Menu** → **Join contact**.
4. Touch the contact you want to Join.
The joined contact's information is displayed with the original contact's information.
5. Repeat Steps 3 and 4 to join other contacts.




Separating Contacts

1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch a contact in the **Contacts** list to view its information.
3. Touch  **Menu** → **Separate contact**.
A list of Joined contacts displays.
4. Touch  → **OK** to separate a joined contact.
The contact is removed from the list.

Sharing Contact Information

You can send a contact's information by way of 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. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch  **Menu** → **Share namecard via**.

Tip: Set up a contact record for yourself to share your information with others.

3. At the prompt, choose a sending method such as Bluetooth.
4. Follow the prompts to send the contact information.

Importing and Exporting Contacts

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




1. Use the USB cable to connect your device to the storage device.
2. From a Home screen, touch  **Apps**
→  **Contacts**.
3. Touch  **Menu** → **Import/Export**.
The Import/Export contacts pop-up displays.
4. Touch an option and then follow the prompts to complete the operation.

Groups

Assign contacts to Groups to make searching for contacts faster or to quickly send messages to group members.

Creating a New Group

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





1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch **Groups** above the Contacts List.
3. Touch .
4. Touch the **Group name** field and use the keyboard to enter a new Group name.
5. Touch  to save the new group name.

Tip: Contacts can belong to more than one group. Just touch the contact's **Groups** field and touch each group.

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 44.




Renaming a Group


To rename a group that you created:

1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch **Groups** and then touch the group you want to rename.
3. Touch  **Menu** → **Edit**.
4. Touch the **Group name** field and use the keyboard to enter a new Group name.
5. Touch  to save the new group name.

Deleting Groups

To delete a group that you created:





1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch **Groups** and then touch any group you want to delete.
3. Touch  **Menu** → **Delete groups**.
The groups that can be deleted display.

4. Touch **Select all** or the name of each group to delete.
5. Touch  **Delete** to delete the groups. Choose from **Group only** or **Group and group members**.

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 43.



To add multiple contacts to a group:

1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch **Groups** and then 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

To remove contacts from a group:

1. From a Home screen, touch  **Apps**
→  **Contacts**.



2. Touch **Groups** and then 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.

Favorites

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

Adding Favorites



To add a contact to the Favorites list:

1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch a contact to display it.
3. Touch the  **Star** next to the contact name so that it turns gold .

Tip: You do not have to edit the contact to change the Starred status.





Accessing Favorites

To view your favorites list:



1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch **Favorites** above the Contacts List.
Only your starred contacts display.

Removing Favorites

To remove one or more contacts from your favorites list:

1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch **Favorites** above the Contacts List.
3. Touch  **Menu** → **Remove from favorites**.
4. Touch **Select all** or the name of each contact to remove.
5. Touch  **Done** to remove the contacts.

To remove one contact from your favorites list:

1. From a Home screen, touch  **Apps**
→  **Contacts**.
2. Touch a contact to display it.
3. Touch the  **Star** next to the contact's name so that it turns gray  to remove it from the Favorites list.

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:

- **Gmail:** Send and receive Gmail from your Google account.
- **Email:** Send and receive email from your email accounts, including Corporate Exchange mail.
- **Google Talk:** Chat with other Google Talk users.
- **Google Messenger:** Use Google Messenger to bring groups of friends together into a simple group conversation.
- **ChatON:** Use ChatON to send and receive instant messages from any device that has a mobile phone number.



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.


Gmail

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

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. From a Home screen, touch  **Apps** →  **Gmail**.
The Add a Google Account screen displays.
2. Follow the prompts to sign in or create a new account.
The device communicates with the Google server to set up your account and synchronize your email. When complete, your Gmail displays in the Inbox.

Note: You can use more than one Google account on your device. To add another account, touch  **Menu** → **Settings** → **ADD ACCOUNT**.

Refreshing Your Gmail Account

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

1. From a Home screen, touch  **Apps** →  **Gmail**.
2. Touch  **Refresh** in the Application Bar.





Gmail Settings

Use the Gmail Settings to configure your Gmail preferences.

1. From a Home screen, touch  **Apps** →  **Gmail**.
2. Touch  **Menu** → **Settings** and follow the on-screen instructions.

Tip: Touch  **Menu** → **Help** for more information.

Composing and Sending Gmail

1. From a Home screen, touch  **Apps** →  **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.

Email

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

Configuring Email Accounts

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

1. From a Home screen, touch  **Apps** →  **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 on-screen 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

You can view email you receive for all accounts in the **Combined view** screen or you can view email accounts individually.

1. From a Home screen, touch  **Apps** →  **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.

Refreshing Your Email Account

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

1. From a Home screen, touch  **Apps** →  **Email**.
2. Touch  **Refresh** in the Application Bar.

Deleting Email Accounts




To delete an Email account:

1. From a Home screen, touch  **Apps** →  **Email**.
2. Touch  **Menu** → **Settings** → **Delete account**.







Email Settings

Use the Email Settings to configure your Email preferences.

Note: Available settings depend on the email provider.

1. From a Home screen, touch  **Apps** →  **Email**.
2. Touch  **Menu** → **Settings**, then touch **General Preferences**. The following options display:
 - **Auto-advance:** Set the screen to show after deleting a message. Choices are: Next message, Previous message, or Message list.
 - **Message preview line:** Choose a message preview line amount. Options are: None or 1, 2, or 3 lines.
 - **Email title:** Set whether the Subject or Sender of the email is shown as the time.
 - **Confirm deletions:** When enabled, Email will prompt you to confirm when you delete messages.
 - **Quick responses:** Edit text that you frequently use in emails.
3. Touch an account to configure specific settings. Available options depend on the account.

Composing and Sending Email

1. From a Home screen, touch  **Apps** →  **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 displayed buttons to set Priority, Tracking options, Security options, and so on.
 - Touch  **Attach** to add a file to the message.
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  **Send** to send the message.
– or –
Touch  **Save** to save the email to the Drafts folder.

Google Talk

Talk is Google's instant messaging and audio and video chat service. You can use it to communicate, in real time, with other people who also use Google Talk on another Android tablet or phone or on a computer.



Tip: Talk requires that you have a Google account set up on your tablet. To set up your Google account on your device use the **Accounts** settings. For more information, refer to “Accounts” on page 146.

Open Talk and Sign In

1. From a Home screen, touch  **Apps** →  **Talk**.
If you are not signed in to a Google account, the Add a Google Account screen displays.

Note: If you have already set up your Google account, you are automatically logged in. Just touch the account.



Once sign in is complete, the Talk main screen displays.

2. Follow the on-screen instructions to invite friends to chat.
You can invite anyone with a Google Account to become your friend in Google Talk, so you can chat with each other and view each other's online status.
3. Touch  **Menu** → **Settings** to configure your Talk preferences.
4. Touch  **Menu** → **Help** to display additional help information.

Messenger

With Google Messenger, you can bring groups of friends together into a simple group conversation, putting everyone on the same page. When you get a new conversation in Messenger, Google+ sends an update to your device.

To get started, touch the Messenger icon on the home screen of the Google+ app or use the Messenger icon on your Applications screen.



1. From a Home screen, touch  **Apps** →  **Messenger**.

The Messenger screen displays.

2. Touch **Next** or **PREVIOUS** to navigate through the Messenger screens.
3. Touch **Learn more** and then touch a topic to learn more about using Google Messenger.

ChatON

A smart-messaging app that gives you a host of innovative ways to stay connected with all your friends and family, regardless of their device or platform. Use ChatON to send and receive instant messages from any device that has a mobile phone number.

1. From a Home screen, touch  **Apps** →  **ChatON**.
If you are launching this application for the first time, follow the on-screen instructions to complete the account setup.
2. Enter and send your message.



Section 5: Internet and Social Networking



This section describes the various Internet and social networking applications available on your device such as Google and Voice Search, Google+, Internet, Local, Maps, Navigation, Google Play Books, Play Magazines, and YouTube.

Google Search




Search the internet using the Google search engine.

Tip: The Google Search widget displays by default on the Home screen. For information about displaying widgets on the Home screen, see *“Adding Widgets to a Home screen”* on page 32.

1. From the main Home screen, touch the **Google** widget.
– or –
From a Home screen, touch  **Apps** →  **Google**.

2. Use the keyboard to enter search criteria to display matching searches.
– or –
Touch  and speak the search criteria slowly and clearly. Google searches for the information and displays results.
Suggestions display below the text entry area.
3. Touch a suggestion to search for that term.
– or –
Touch  on the keyboard to start the search.
A browser window displays the search results.

To use Voice Search directly:



1. From a Home screen, touch  **Apps**
→  **Voice Search**.
2. Touch  and speak the search criteria slowly and clearly. Google searches for the information and displays results or displays **Retry**.

Google+

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

- Share your thoughts and location.
- Instantly upload your photos and videos as you take them.
- Get updates from your circles in the stream.
- Check in to a place.
- Make plans on-the-go with group messaging.
- View posts from people around you.

To get started:



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

The Google+ home screen displays.

2. Touch  **Menu** → **Help** and then touch a topic to learn more about using Google+.

Internet






Your device is equipped with a full HTML Browser that allows you to access the Internet.

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

Navigating the Internet

The following options are available for Internet navigation.

Command Keys

- Touch  **Back** or  to return to the previous page.
- Touch and hold  **Back** to display a list of Most visit pages.
- Touch  **Forward** to go forward to a recent page.
- Touch  **Refresh** to reload the current page.

Touching and Dragging

- Touch and drag your finger on the screen to navigate pages and to reposition pages within the screen.

Entering Text in a Field

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

Zoom

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



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




Selecting Items On a Page


While browsing, use gestures and menus to navigate:

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

Using Browser Windows



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


1. From a Home screen, touch  **Apps**
→  **Internet**.
2. To open a new window, touch  at the top of the screen.

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

Entering a URL

Access a website quickly by entering the URL.

1. From a Home screen, touch  **Apps**
→  **Internet**.
2. Touch the **URL** field at the top of the screen, then enter the URL using the virtual QWERTY keyboard.
As you enter characters, potential matches display.

Note: Use the  **Delete** key to clear the URL field, if necessary.





3. Touch a match to complete the URL.

– or –

Continue entering characters and touch the **Go** key to load the page.

Creating Bookmarks

While browsing, bookmark a site to quickly access it later.

1. From a Home screen, touch  **Apps**
→  **Internet**.
2. Browse to a website, touch  **Add bookmark**, enter the required information, and touch **OK**.
A gold star  displays on the Bookmarked page.

Internet Menu

While viewing a webpage:



- Touch  **Menu** for options.


To configure web settings:

- Touch  **Menu** → **Settings**.
Follow the on-screen instructions.

Internet Quick Controls

Use Quick Controls to maximize your viewing area while browsing the internet.


1. From a Home screen, touch  **Apps**
→  **Internet**.

2. While viewing a webpage, touch  **Menu** → **Settings**
→ **Labs**, and then touch **Quick Controls** to enable the function.

The Application and URL bars are hidden.

3. Swipe inward from the left or right edge of the screen to access quick controls.







4. Without lifting your finger, move to an option and then lift your finger to initiate the option.
5. To cancel, display the Quick controls and touch  → **Settings** → **Labs** and touch **Quick controls** to uncheck it.

Local

Google Local (originally Google Places) is an application that uses Google Maps and your location to help you find destinations, such as restaurants, bars, hotels, attractions, ATMs, and gas stations. You can also add your own locations.

Note: You must enable location services to use Local. Some features require Standalone or Google location services. For more information, refer to “*Location Services*” on page 135.

1. From a Home screen, touch  **Apps** →  **Local**.
2. Touch  to choose or enter your location.
3. Touch one of the business categories to search for a particular business.
4. Touch a business in the list to see more details about it.
5. Touch your location at the bottom of the Local pop-up to write or view reviews, check in here, and so on.
6. For more information touch  **Menu** → **Help**.

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. Some features require Standalone or Google location services. For more information, refer to “*Location Services*” on page 135.

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

Navigating the Map

Zooming

- Double-tap on the screen to zoom in.
- 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.

Scrolling

- Touch and drag on the screen to reposition the map in the display.

Touch

- Touch an icon on the map to display information about the location. For example, your location is indicated by a flashing icon.

Maps Menu

While viewing a map:

- Touch  **Menu** for options.

To launch Google Latitude:

- Touch  **Menu** → **Latitude**.

For more information, refer to “*Latitude*” on page 60.

To configure Maps settings:

- Touch  **Menu** → **Settings**.

Follow the on-screen instructions.

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

Latitude

With Google Latitude, you can see the location of all of your friends on a map or on a list. You can also share or hide your location.

You must first set up your tablet to use wireless networks to help pinpoint your location. Also, Latitude works best when Wi-Fi is enabled. For more information, refer to “*Turning Wi-Fi On or Off*” on page 91.

Latitude also requires that you log on to your Google account. For more information, refer to “*Accounts*” on page 146.

To access the Latitude app:

1. From a Home screen, touch  **Apps** →  **Maps**.
2. Touch  **Menu** → **Latitude**.

Your location is displayed on the map.



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

Navigation

Use Google Navigation to find a destination and to get walking or driving directions.

Navigation works best when Wi-Fi is enabled. For more information, refer to *“Turning Wi-Fi On or Off”* on page 91.

Note: You must enable location services to use Navigation. Some features require Standalone or Google location services. For more information, refer to *“Location Services”* on page 135.

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

Navigation Menu

While viewing a map:

- Touch  **Menu** for options.

To configure Navigation settings:



- Touch  **Menu** → **Settings.**

Follow the on-screen instructions.

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

Play Books

Use the Play Books app to read eBooks from the Internet-based Google Play Books service. Google eBooks is a new way to discover, buy, and enjoy your favorite books online and offline.

- From a Home screen, touch  **Apps**
→  **Play Books.**

The Google Play Books main screen displays.

Note: You may be asked to create or sign on to your Google account. For more information, refer to *“Setting Up Your Gmail Account”* on page 49.

Play Books Menu

From the Play Books main screen:

- Touch  **Menu** for options.

To configure Play Books settings:

- Touch  **Menu** → **Settings.**

Follow the on-screen instructions.

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

Play Magazines

Google Play Magazines helps you subscribe to your favorite magazines so you can have them available to read on your tablet at your leisure.

Play Magazines requires that you log on to your Google account. For more information, refer to “Accounts” on page 146.

- From a Home screen, touch  **Apps**
→  **Play Magazines**.

The Play Magazines Welcome screen displays.

Play Magazines Menu

From the Play Magazines main screen:

- Touch  **Menu** for options.

To configure Play Magazines settings:



- Touch  **Menu** → **Settings**.

Follow the on-screen instructions.



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

YouTube

View and upload YouTube videos right from your device.

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

To find a YouTube video.

- Touch  **Search YouTube** and use the keyboard to enter a keyword or phrase. Touch  on the keyboard to initiate the search.

YouTube Menu

From the YouTube main screen:

- Touch  **Menu** for options.

To configure YouTube settings:

- Touch  **Menu** → **Settings**.

Follow the on-screen instructions.

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


Section 6: Music

This section explains how to use the music features of your device including the Music app, the Music Player, and the Music Hub.

Listening to Music

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

For more information, refer to “Bluetooth” on page 94.

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

Play Music App



The Play Music app contains a music player that plays music and other audio files that you copy from your computer or store online.

Note: Some options described in this manual may not be available until you sign in to your Google account.

Google Play Music

Google Play Music is a new service from Google that gives you instant access to your personal music collection on the Internet and your compatible Android devices without the hassle of wires or syncing. For more information, visit music.google.com.



Accessing the Music App

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

The Play Music app searches your online library and your device's internal storage 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.

Changing Library View

You can change the way you view the contents of your library.

1. From a Home screen, touch  **Apps**
→  **Play Music**.
2. Touch the name of the current view, such as **Recent**, near the top-left of the Application bar.
3. Touch an option to set how you view your library.
The choices are: **Recent**, **Albums**, **Artists**, **Songs**, **Playlists**, or **Genres**.

Play Music Menu

While viewing a Play Music main screen:

- Touch  **Menu** for options.

To configure Play Music settings:




- Touch  **Menu** → **Settings**.

Follow the on-screen instructions.



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

Play Music Options


Options are available for playing songs, albums, or playlists:

1. From a Home screen, touch  **Apps**
→  **Play Music**.
2. Touch an album or song.
3. Touch the label area  under an item to display options.
Options display depending on the item view.

To play a song:

1. From a Home screen, touch  **Apps**
→  **Play Music**.
2. Touch a song in your library to listen to it.

– or –





While viewing a list of songs, touch  next to a song and touch **Play**.

– or –

While viewing a list of albums, artists, playlists, or genres, touch the label area  under an item and touch **Play**.

Shopping for Music at the Play Store

To visit the Google Play Store where you can find and buy music:





1. From a Home screen, touch  **Apps**
→  **Play Music**.
2. Touch  **Play Store** in the Application Bar.
The Google Play Store music section displays.
3. Touch  **Menu** → **Help** to view information about finding and buying music.

Making Online Music Available Offline

In addition to playing the music that you add to your online library, you can play music stored on your device's internal storage. Then you can listen to music when you have no Internet connection. To do this, make some of your online music available offline.



Tip: You can also copy music directly from your computer to your device. For more information, refer to “*Synchronizing with Windows Media Player*” on page 98.

To make your online music available offline on your device:


1. From a Home screen, touch  **Apps**
→  **Play Music**.
2. Change your library view to Albums, Artists, or Playlists. For more information, refer to “*Changing Library View*” on page 64.
3. Touch  **Menu** → **Choose on-device music** and touch the album or playlist you want to make available offline.
4. Touch  **Menu** → **Help** to view information about listening to music offline.

Music Player

Music Player plays songs stored on your tablet or an installed memory card.




1. From a Home screen, touch  **Apps**
→  **Music Player**.

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 **Songs**, **Playlists**, **Albums**, and so on, to change the way you view the contents of your library.
3. Touch the Music application icon  at the top-left of the Application bar to return to the previous Music screen.




Searching for Music

To find music in your library:

1. From a Home screen, touch  **Apps**
→  **Music Player**.
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. From a Home screen, touch  **Apps**
→  **Music Player**.
2. Touch  **Menu** to display the following options:
 - **Delete**: Delete a song, an album, or every song or album.
 - **Share via**: Share your music. Touch an option, such as Bluetooth, select the songs you want to share, and touch **Share**.
 - **Set as alarm tone**: Choose a song and touch **Set** to use the song as an alarm tone.

- **Scan for nearby devices:** Discover and connect directly to nearby devices.
- **Settings:** The following settings display:

Advanced



- **Sound settings:** Choose **SoundAlive** and **Play speed** settings.
- **Lyrics:** Display the lyrics of the song, if available.
- **Music auto off:** Set the option Off or set your music to turn off automatically by touching one of the time values.

Music menu

- **Music menu:** Enable or disable the music display options that appear on the main music screen. A check mark  next to an option means that it is enabled.

Managing Playlists


To create, manage, or delete a playlist:

- From a Home screen, touch  **Apps**
→  **Music Player.**

Creating a Playlist



- Touch  **Add to playlist** → **New playlist** and use the keyboard to enter a name for the playlist.

Renaming a Playlist


1. Touch the **Playlists** tab.
2. Touch a playlist, touch  **Menu** → **Rename playlist** and use the keyboard to enter a new name for the playlist.

Adding Songs to Playlists



1. Touch  **Add to playlist** and touch a playlist.
– or –

Touch **Playlists**, touch a playlist, and then touch  **Add music** or  **Menu** → **Add music** in portrait mode.



All songs are displayed.

2. Touch  next to each song you want to add or next to **Add all** to add all songs to the playlist.
3. Touch **Done** to save the playlist.

Removing Songs from Playlists

1. Touch  **Add to playlist** and touch a playlist.
2. Touch  to remove a song from the playlist.
3. Touch **Done** to save the playlist.


Changing the Order of a Playlist

1. Touch the **Playlists** tab and touch a playlist.
2. Touch  **Menu** → **Change order** in portrait mode.
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**, or **Recently added**, or touch a playlist title that you created.
3. Touch a song to start playing the playlist at that song.

Deleting a Playlist


1. Touch the **Playlists** tab and touch a playlist.
2. Touch  **Delete** in the Application bar.
3. Touch the box next to a playlist title and touch **Delete** and then touch **OK**.

Playing Music

To play a song:

1. From a Home screen, touch  **Apps** →  **Music Player**.
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. The tracks in the current list play in order until you reach the end of the list (unless you choose a repeat option). 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 Status Details pop-up displays.
2. Touch the song title 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 26.

Music Player Controls

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

1. From a Home screen, touch  **Apps**
→  **Music Player**.
2. Touch a song or playlist to begin playback. The music player displays below (portrait mode) or to the right (landscape mode) of the music listing.
3. Touch the music player to enlarge it and touch the screen to display the sound and playlist controls.





4. During playback, use the sound and playlist controls:
- **Volume:** Touch to toggle Silent and Sound mode, 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.
 - **Favorite:** Touch the star ★ to mark the current song as a favorite.
 - **Progress Bar:** Touch and drag the end of the progress bar to scan forward or backward through the current song.
 - **Shuffle:** When enabled, songs play in random order. When disabled, songs play in the order they appear in List view.
 - **Playback Controls:** These buttons control the playback of songs:
 - Touch  to advance to the next song. Touch and hold  to scan forward through the current song.
 - Touch  to go back to the previous song. Touch and hold  to scan backward through the current song.
 - Touch  to pause playback. Touch  to resume playback.
 - **Repeat:** Touch to repeat the current song, repeat all songs, or disable repeat mode.
 - **SoundAlive:** Touch to view and set SoundAlive options.

- **List Mode:** Touch to switch to the list of songs.
- **Info:** Touch to view information about the current song.

Options While Playing a Song

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




1. From a Home screen, touch  **Apps** →  **Music Player**, touch a song or an album, and then a song.
2. Touch the music player to enlarge it.
3. Touch  **Menu** to display the following options:
 - **Add to playlist:** Add the song to a new playlist or an existing playlist.
 - **Via Bluetooth:** Play the current song by using a Bluetooth device.
 - **Share via:** Share your music. Touch an option, such as Bluetooth, select the songs you want to share, and touch **Share**.
 - **Set as alarm tone:** 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 66.

Music Hub



Samsung Music Hub makes your device a personal music manager and lets you access, buy, and download millions of music tracks. Access top albums, top tracks, featured albums, and new releases. Music Hub allows you to search for tracks, albums, and artists. Enjoy music samples before you download them directly to your Wi-Fi Galaxy Tab.

Note: You must sign up for an account before accessing some of the Music Hub options.

1. From a Home screen, touch  **Apps**
→  **Music Hub**.
2. Read the Disclaimer and touch **Confirm** to continue or  **Back** to exit.
The Music Hub Home screen displays.





3. Touch one of the following options:
 - **Featured:** This is the Music Hub home screen. Displays top albums, featured albums, top tracks, new releases, and more. Touch an item to display more information and prices.
 - **Genres:** Displays bestsellers and new releases by genre, such as pop, rock, jazz, comedy, and blues.
 - **Playlists:** Displays downloaded playlists and your library of songs and albums. Touch **New** to create a new playlist.
 - **My page:** Displays the following options:
 - **Basket:** Displays songs that you have selected to buy. Touch **Buy** to start the purchase process. Touch  **Menu** → **Delete all** to clear your basket or touch  **Remove** to delete songs from your basket.
 - **Purchase List:** Displays a list of your purchases.
 - **Payment information:** Allows you to set up your payment method. Touch **Add card** to enter your payment information.
 - **Help:** Display help information for Music Hub.
 - **Legal information:** Displays the Music Hub legal information.

Note: You have to be signed in to use some options. To sign in, touch **Sign in** and use the keyboard to enter your **Email address** and Music Hub **Password**. Touch **Sign in**. Touch **Create account** to set up a new account.

4. Touch  **Search** and use the keyboard to enter a key word or phrase to search for tracks, albums, or artists. Touch  on the keyboard to search Music Hub. Touch an item to play a sample, add an item to your basket, or add an item to your album.

Making a Purchase

You can use Music Hub to buy albums or individual tracks. You can also build your own album from various tracks.



1. From a Home screen, touch  **Apps**
→  **Music Hub**.
2. Touch an album or a track.
3. Touch  next to an album to add the album to your basket or next to each track that you want to add to your basket.
4. Touch  next to an album to add the album to your album or next to each track that you want to add to your album. Touch **New** to create a new album.

Section 7: Photos and Video

This section explains how to use your device's built-in camera and camcorder, the Video Player app to view and manage videos, and the Gallery app to view, capture, and manage photos and videos. It also contains an overview of the Photo Editor app, Media Hub, and Video Editor apps.

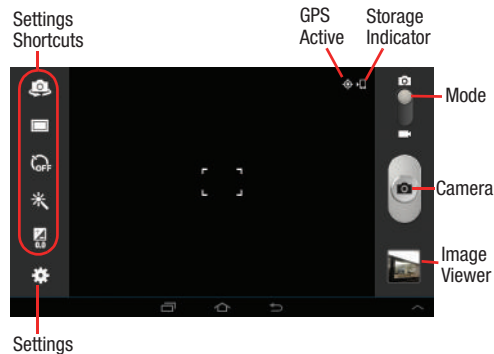
Camera

Use your device's built-in camera and camcorder to take photos and record videos.

1. From a Home screen, touch  **Apps** →  **Camera**.
If a memory card is inserted, the Storage location pop-up displays.
2. Touch **OK** to change the storage location to memory card.
– or –
Touch **Cancel** to use the device storage for storing pictures and videos.




Note: If memory card storage is used, photos are stored in the /Storage/sdcard0/DCIM/Camera folder as jpg files. For more information, refer to “My Files” on page 113.

The Camera screen displays.



Taking Photos

To take a photo:

1. From a Home screen, touch  **Apps** →  **Camera**.
2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject.
 - To zoom in and out on the current subject, press the Volume key Up or Down, or touch the viewfinder image with two fingers, then sweep them apart to zoom in or pinch them together to zoom out.
 - To configure settings, see “*Camera Settings*” on page 74.
3. To take the photo, touch the **Camera** button.
4. Touch  **Back** to leave the Camera and display the previous screen.






Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person’s privacy.

Camera Settings


Before you start taking photos, use the camera settings to configure the camera for best results. Camera settings are represented by icons on the left side of the screen.

Editing Camera Settings Shortcuts

The first five icons are actually shortcuts to camera settings. These five shortcuts can be customized to fit your preference.

 **Self-portrait**,  **Shooting mode**,  **Timer**,  **Effects**, and  **Exposure value** are default settings shortcuts.

To customize these shortcuts:

1. Touch  **Settings** → **Edit shortcuts**.
– or –
Touch and hold any of the shortcut icons to edit them.
2. Touch and hold a setting, then drag and drop it on one of the five settings shortcuts to the left. The replaced setting shortcut displays in the edit list.

Configuring Camera Settings

To configure Camera settings:

- While in Camera mode, touch a settings shortcut or touch  **Settings** to configure the following camera settings:
 - **Edit shortcuts:** Customize your settings shortcuts. For more information, refer to “*Editing Camera Settings Shortcuts*” on page 74.
 - **Self-portrait:** Touch to switch to the front-facing camera lens and take a photo of yourself.
 - **Shooting mode:** Choose an automatic shooting mode, from:
 - **Single shot:** Take a single photo.
 - **Panorama:** Touch the Camera button to take a photo, then use the on-screen guideline to move the viewfinder and take the next 7 shots automatically.
 - **Buddy photo share:** Take and share photos with friends via face detection.
 - **Smile shot:** Touch the Camera button to automatically focus on the subject's face and take the photo.
 - **Effects:** Apply an effect to photos.





- **Scene mode:** Choose a mode to match the kind of pictures you want to take.
- **Exposure value:** Use the slider to set the exposure value from -2.0 to +2.0.
- **Timer:** Set a delay time to wait between touching the Camera button and taking a photo.
- **Resolution:** Choose a size for the photo.
- **White balance:** Set the light source.
- **Metering:** Select a method for measuring light.
- **Guidelines:** Enable or disable an on-screen grid to aid in photo composition.
- **GPS tag:** Add GPS location information to photo details. The GPS icon displays on the screen when this option is active.

Caution! Be aware that your location may be present on a photo when posting your photos on the internet.


- **Image quality:** Choose a quality setting for photos.
- **Storage:** Set whether to store your photos on your device or on your memory card, if one is installed.
- **Reset:** Set all Camera settings to the defaults.

Viewing Photos with the Image Viewer

After taking a photo, use the Image Viewer to view, share, delete, or edit photos.

1. Touch **Image Viewer** to view the photo.
2. Touch the screen to show or hide Image Viewer options.
3. Touch the screen with two fingers or double-tap on the screen to zoom all the way in or out. For more information, refer to “*Pinch*” on page 26.
4. Sweep across the screen to display the next or previous photo. The current photo is outlined in the thumbnails at the bottom of the screen. Touch a thumbnail to view the photo it represents.
5. Touch  **Share** to share the photo. Touch an option, such as Bluetooth, and follow the on-screen instructions. After using this option, the most recent Share option is displayed in the Application Bar.
6. Touch  **Slideshow** to display a slide show of the available pictures and videos.
7. To delete the photo being displayed, touch  **Delete** and then touch **Delete** to delete the photo or **Cancel** to exit.
8. Touch  **Menu** to select **Set as** to assign the photo as a Contact photo or a Home screen, Lock screen, or Home and lock screens wallpaper.
For more information, refer to “*Viewing Photos and Videos*” on page 82.

Note: Photos are stored in the /Storage/sdcard0/DCIM/Camera folder as jpg files. For more information, refer to “*My Files*” on page 113.

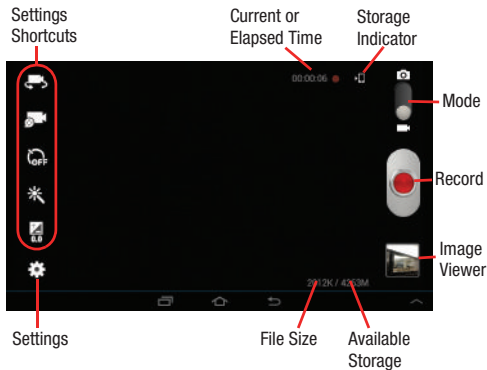
9. Press  **Back** to return to the Camera to take more photos.

Camcorder








Use your device's built-in Camcorder to record high-definition video in 1080p resolution.

1. From a Home screen, touch  **Apps** →  **Camera**.
2. Slide the  **Mode** button to the  **Camcorder** setting.

The Camcorder screen displays.



Recording Videos

1. From a Home screen, touch  **Apps** →  **Camera**.
2. Slide the  **Mode** button to the  **Camcorder** setting.
3. Using the display as a viewfinder, compose your shot by aiming the lens at the subject.
 - To zoom in and out on the current subject, touch the viewfinder image with two fingers, then sweep them apart to zoom in or pinch them together to zoom out.
 - To configure settings, see “*Camcorder Settings*” on page 78.
4. To start recording, touch  **Record**. During recording, the **Record** button flashes.
5. To stop recording, touch  **Record**.
6. Touch  **Back** to leave the Camcorder and display the previous screen.





Important! Do not take videos of people without their permission.
Do not take videos in places where cameras are not allowed.
Do not take videos in places where you may interfere with another person's privacy.

Camcorder Settings

Before you start taking videos, use the camcorder settings to configure the camcorder for best results. Camcorder settings are represented by icons on the left side of the screen.

Editing Camcorder Settings Shortcuts


As with the camera, the first five icons are actually shortcuts to camcorder settings. These five shortcuts can be customized to fit your preference.

 **Self-recording**,  **Recording mode**,  **Timer**,  **Effects**, and  **Exposure value** are default settings shortcuts.

To customize these shortcuts, see “*Editing Camera Settings Shortcuts*” on page 74.

Configuring Camcorder Settings


To configure Camcorder settings:



- While in Camcorder mode, touch a settings shortcut or touch  **Settings** to configure the following Camcorder settings:
 - **Edit shortcuts:** Customize your settings shortcuts. For more information, refer to “*Editing Camera Settings Shortcuts*” on page 74.
 - **Self-recording:** Touch to switch to the front-facing camera lens and record a video of yourself.
 - **Recording mode:** Set a recording mode. Options are: Normal and Limit for email, which limits the size of the video to 50 megabytes.
 - **Effects:** Apply an effect to videos.
 - **Exposure value:** Use the slider to set the exposure value from -2.0 to +2.0.
 - **Timer:** Set a delay to wait between touching Record and starting recording.
 - **Resolution:** Set a size for the video.
 - **White balance:** Set the light source.

- **Guidelines:** Enable or disable an on-screen grid to aid in video composition.
- **Video quality:** Choose a quality setting for videos.
- **Storage:** Set whether to store your videos on your device or on your memory card.
- **Reset:** Set all Camera settings to the defaults.









Viewing Videos with the Image Viewer

After recording a video, use the Image Viewer to play, share, or delete your video.

1. Touch **Image Viewer** to view the video.
2. Touch the screen to show or hide Image Viewer options.
3. Sweep across the screen to display the next or previous video. The current video is outlined in the thumbnails at the bottom of the screen. Touch a thumbnail to view the video it represents.
4. Touch  **Share** to share the video. Touch an option, such as Bluetooth, and follow the on-screen instructions. After using this option, the most recent Share option is displayed in the Application Bar.








5. Touch  **Slideshow** to display a slide show of the available pictures and videos.
6. To delete the video being displayed, touch  **Delete**.



Note: Videos are stored in the /Storage/sdcard0/DCIM/Camera folder as mp4 files. For more information, refer to “My Files” on page 113.

7. To play a video, touch  **Play**. Touch  **Pause** to pause the video and touch  **Resume** to resume playing the video.
8. Touch  **SoundAlive** to set the sound quality.
9. Touch and drag the  white dot on the progress bar to fast forward or rewind the video. Touch the left end of the progress bar to restart the video. Touch the right end of the progress bar to end the video playback. – or –
Touch  **Rewind** to restart the video or  **Fast Forward** to end the video.
10. Press  **Back** to return to the Camcorder.

Video Player

Your device's 7.0-inch 1024x600 WSVGA TFT (PLS) LCD screen provides playback of videos. Use Video Player to view and manage videos stored on your tablet.

1. From a Home screen, touch  **Apps**
→  **Video Player**.
2. Touch the **Thumbnails, List, or Folders** tab.
3. Touch  **Search** and use the keyboard to enter a search term. The current folder is searched and results are displayed. Touch **X** to remove the search field.
4. While viewing the list, touch  **Menu** for options:
 - **List by:** Display videos by Name (default), Date, Size, or Type.
 - **Share via:** Share the video. Touch an option, such as Bluetooth, and follow the on-screen instructions.
 - **Delete:** Touch videos to select them for deletion or touch **Select all** to delete all videos.
 - **Auto play next:** Touch to enable or disable automatic playing of videos in the order they appear.
 - **Scan for nearby devices:** Discover and connect directly to nearby devices.
5. Touch a video to play it. While playing a video, touch the screen to display or hide on-screen playback controls.
6. Touch the icon in the upper left corner of the display screen while the video is playing to change the Display Mode from original size to full screen in ratio or full screen.
7. Touch  **SoundAlive** to set the sound quality to Normal, Voice, Movie, or Virtual 7.1 ch.
8. While the video is playing, touch  **Bookmark** to mark your favorite areas of the video. A yellow mark displays on the progress bar.
9. During playback, press  **Menu** for options:
 - **Share via:** Share the video. Touch an option, such as Bluetooth, and follow the on-screen instructions.
 - **Trim:** Trim the original video or trim the video and create a new video.
 - **Via Bluetooth:** Turn Bluetooth on to use Bluetooth services.
 - **Video editor:** Open this video in the Video Editor app. For more information, refer to “*Video Editor*” on page 89.

- **Bookmarks:** If bookmarks have been set for this video, a thumbnail and time are displayed for each bookmark. Touch  select Bookmarks and touch  to remove a bookmark.
- **Details:** Provides details about the video, such as Name, Size, Resolution, and so on.
- **Time set for auto video off:** Set the option Off or set your video to turn off automatically by touching one of the time values.
- **Scan for nearby devices:** Discover and connect directly to nearby devices.
- **Settings:** Touch this option to view the following:
 - **Play speed:** Touch and drag the slider to decrease or increase play speed.
 - **Subtitles:** View subtitles for the video, if available.
 - **Auto play next:** Enable or disable auto play of the next video.





For more information, refer to “*Playing Videos*” on page 84.

Gallery

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





Note: Photos and videos are stored in the /Storage/sdcard0/DCIM/Camera folder, photos as jpg files and videos as mp4 files. For more information, refer to “*My Files*” on page 113.

Selecting Photos and Videos to View






1. From a Home screen, touch  **Apps** →  **Gallery**. All albums display.
2. Choose items to display by making selections from the menus in the Application bar: **Albums**, **Time**, **Locations**, **Person**, **Group** or **Favorites**.
3. Touch  **Camera** to launch the Camera app.
4. Touch  **Menu** to display the following options:
 - **Select album :** Touch one or more albums or groups that you want to share, stream to another device, or delete.
 - **Slideshow:** View a slideshow of the available pictures and videos.
 - **View by:** View content from all sources or set a single source, such as in your device.


- **New album:** Create a new album. Use the keyboard to enter a name for the album.
- **Scan for nearby devices:** Discover and connect directly to nearby devices.
- **Settings:** Set your account sync settings and limit syncing to only when your tablet is connected to a Wi-Fi network.

Viewing Groups of Photos and Videos

1. From a Home screen, touch  **Apps** →  **Gallery**.
2. Touch a category and then a group to view it.
Thumbnails for each photo and video in the group display.
3. Touch  **Slideshow** to view a slideshow of the available pictures and videos.
4. Touch  **Menu** for these options:
 - **Select item:** Touch one or more items that you want to share, delete, or use for a slideshow.
 - **View by:** Touch one of the following options, All content, Content in device, or Content in Picasa.

Viewing Photos and Videos

1. From a Home screen, touch  **Apps** →  **Gallery**.
2. Touch a category and then a group to view it, and then touch a photo or video thumbnail.
3. Touch the screen to show or hide Gallery options.
4. Touch the screen with two fingers or double-tap on the screen to zoom all the way in or out. For more information, refer to “Pinch” on page 26.
5. Sweep across the screen to display the next or previous photo or video. (Videos are indicated by the  **Play** button.) The current photo or video is outlined in the thumbnails at the bottom of the screen. Touch a thumbnail to view the photo or video it represents.
6. Touch  **Share** to share the photo or video. Touch an option, such as Bluetooth, and follow the on-screen instructions.
7. To delete the photo or video being displayed, touch  **Delete**.

8. Touch  **Slideshow** to view a slideshow of photos and video thumbnails in the group. Touch the screen to stop the slideshow and view the photo or video being displayed.
9. Touch  **Menu** to display the following options for photos:
- **Start slideshow:** Touch Slideshow and choose from Start slideshow or Slideshow settings. Follow on-screen instruction.
 - **Face tag:** Set whether to look for a face in this picture.
 - **Copy to clipboard:** Copy the current photo to the clipboard.
 - **Rotate left:** Allows you to rotate the photo counterclockwise 90 degrees.
 - **Rotate right:** Allows you to rotate the photo clockwise 90 degrees.
 - **Crop:** Allows you to crop the image. Touch and drag the crop box or the sides or corners of the crop box to create the crop area, then touch **Done**. Touch **X** to stop without cropping the photo.
 - **Edit:** Use Photo Editor or Video Editor to edit your photo or video.

- **Set as:** Assign the photo as a Contact photo or a Home screen, Lock screen, or Home and lock screens wallpaper.
- **Buddy photo share:** Detect the face in this picture and email that person.
- **Print:** Print the current photo to a Samsung printer.
- **Rename:** Enter an new file name.
- **Scan for nearby devices:** Discover and connect directly to nearby devices.
- **Details:** Provides details about the photo, such as title, time taken, size, and so on.

There are only two options for videos that are not playing:




- **Start slideshow:** Touch Slideshow and choose from Start slideshow or Slideshow settings. Follow on-screen instruction.
- **Rename:** Enter an new file name.
- **Details:** Provides details about the video such as Title, Time, Duration, and so on.

For menu options while a video is playing and other video options, see *“Video Player”* on page 80.

10. Press  **Back** to return to the category screen.

Setting a Picture As

You can use the photos you take as a contact's photo or as wallpaper for the Home or Lock screen:

1. From a Home screen, touch  **Apps** →  **Gallery**.
2. Touch a category and then a group to view it, and then touch a photo to select it.
3. Touch  **Menu** → **Set as**.
4. Touch **Contact photo** and then touch a contact entry.
– or –

Touch **Home screen**, **Lock screen**, or **Home and lock screen**.



A crop photo screen displays.

5. Touch and drag the crop box or the sides or corners of the crop box to create the crop area, then touch **Done** to save the cropped photo as the contact's icon or wallpaper. Touch **Cancel** to stop without cropping the photo.




Tip: To remove a contact photo, see “*Updating Contacts*” on page 43.



Tip: To change wallpaper, see “*Wallpapers*” on page 34.

Playing Videos

1. From a Home screen, touch  **Apps** →  **Gallery**.
2. Touch a category and then a group to view it, and then touch a video thumbnail to play the video.

Note: Videos are marked with a  **Play** button.

3. Touch  **Pause** to pause the video.
4. Touch  **Resume** to resume playing the video.
5. Touch and drag the  white dot on the progress bar to fast forward or rewind the video. Touch the left end of the progress bar to restart the video. Touch the right end of the progress bar to end the video playback.
– or –

Touch  **Rewind** to restart the video or  **Fast Forward** to end the video.

Sharing Photos and Videos

Share photos and videos with your friends.







1. From a Home screen, touch  **Apps** →  **Gallery**.
2. Touch a category and then a group to display thumbnails.
3. Touch  **Menu** → **Select item**.
4. Touch one or more photos and videos to highlight them for sharing.
5. Touch  **Share**.
6. Touch an option, such as Bluetooth, and follow the on-screen instructions.




Photo Editor

The Photo Editor application provides basic editing functions for photos that you take on your device. Along with basic image tuning like brightness, contrast, and color, it also provides a wide variety of effects used for editing the photo.

1. From a Home screen, touch  **Apps**
→  **Photo Editor**.
2. Touch **Select picture** to edit a photo in your Gallery.
– or –
Touch **Take picture** to take a photo with the camera.

3. Touch the photo to load it into the Photo Editor.
4. Use the following Photo Editor controls to edit your photo:



Selection: Touch the selection icon and then touch **Magnetic**, **Lasso**, **Brush**, **Round**, or **Square** to set how to mark an area for cropping, rotating, and so on. Touch  to select a single area,  to add to a selected area, or  to remove part of a selected area.



Selection Size: Set the size of the Grab selection area. Drag the slider from small to large.



Inverse: Select the entire picture except for the selected area.



Undo: Remove the last change.



Redo: Restore a removed change.



Rotate: Rotate a photo to the left or to the right or create a mirror image of the photo.



Resize: Touch and then drag the corners of the photo to resize it.



Crop: Touch to crop (cut-out) an area of a photo.





Color: Set the **Auto adjustment**, **Exposure**, **Saturation**, **Contrast**, **Brightness**, and **Hue** of a photo. You can also make it **Grey-scale** or add a **Temperature** effect.



Effects: Add various effects to your photo, such as **Blur**, **Motion**, **Distortion**, **Filter**, or **Frames**.






Tools: Copy and Paste to another image or to the original image. You can use the Spot healing option.

5. When all updates to the photo have been made, touch  **Save**. Use the keyboard to name the edited photo and touch **OK** to save it.
6. While editing a photo, touch  **Menu** to display the following options:
 - **Select picture:** Open a new photo for editing.
 - **Take picture:** Open the Camera and take a new photo.
 - **Share via:** Send photos to another device or another person. Touch an option, such as Bluetooth, and follow the on-screen instructions.
 - **Set as:** Use this photo as a Contact photo or as a Home and lock screens, Home screen, or Lock screen wallpaper image.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining on the go has never been easier. You can rent or purchase your favorite content and conveniently watch anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you have never experienced it before.

Note: Media Hub service requires a Samsung account and depends on service availability.

1. From a Home screen, touch  **Apps**
→  **Media Hub**.
2. Read the End-User License Agreement (EULA), touch **I agree to the Terms and Conditions**, and then touch **Accept** to continue or **Decline** to exit.
The Media Hub screen displays.
3. To rent or buy media, you must have a Samsung account. Touch  **Menu** → **Sign in** to sign in to your Samsung account or to create an account.

For more information, refer to “*Signing In to your Samsung Account*” on page 148.

4. Browse content using these options:
 - **Home:** Displays What’s New — recently-added titles for rent or purchase.
 - **Movies:** Movies you can rent or purchase.
 - **TV Shows:** TV shows you can rent or purchase.
 - **My Media:** Content you have previously purchased or rented.
5. When you find media you want to view, use these options:
 - **View trailer:** View a short clip from the movie or show.
 - **Buy:** Purchase the media for unlimited viewing on your device. Follow the prompts to enter payment details.
 - **Rent:** Purchase a time-limited download of the media. Follow the prompts to enter payment details.
6. For additional options, touch  **Menu**.
 - **My page:** Manage your purchases and payment methods.
 - **Settings:** Manage your devices and storage.

For more information, visit:




<http://www.samsung.com/us/mediahub/>

Media Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Media Hub.
- Media Content that is downloaded may be viewed concurrently on up to five (5) devices with Media Hub that are also registered to the same account.
- You may choose to remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you like. You will have the ability to re-download the Media Content at a later point in time subject to content re-download availability and studio permissions.
- You MUST be in network coverage to license Media Content you have acquired through the Service.
- You can use 3G, 4G, or Wi-Fi connectivity in order to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account.
- Media Content is downloaded and saved onto the SD card.
- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching rented Media Content within 24 consecutive hours of start of playback.
 - Stopping, pausing, or restarting rented Media Content does not extend the available viewing time.
 - In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).
- You cannot play any media content downloaded from Media Hub through any output on your mobile device, including All Share.

Video Editor

Video Editor lets you custom-make your own videos. You can add themes, music, pictures, and other videos to your video.

1. From a Home screen, touch  **Apps**
→  **Video Editor**.
2. Touch  **New Project** and then touch a theme for your video.
– or –
Touch a saved project.

The Video Editor screen displays.

Navigating Video Editor

To view the Video Editor screens:

- Touch the **Media**, **Effect**, or **Transition** tab.

Media

Use this screen to add videos, images, or audio to your project.

1. Touch the **Videos**, **Images**, or **Audio** tab or touch **Camera** to create a new photo or video.
2. Touch a video, image, or audio thumbnail and drag it to the workarea at the bottom of the screen.

3. Follow the on-screen instructions.

Effect

Use this screen to add an effect to your project.

- Touch an effect thumbnail and drag it to the workarea at the bottom of the screen.

Transition

Use this screen to add transitions to your project.

- Touch a transition thumbnail and drag it to the workarea at the bottom of the screen.

Note: Add more than one clip to your project before you add a transition.

Video Editor Options

Use the following Video Editor controls to edit your photo:



Undo: Remove the last change.




Redo: Restore a removed change.



Save project: Save the project when all updates have been made.

For additional options:

- Touch  **Menu**.
 - **Change theme:** Select a new theme for this project.
 - **Export:** Create an mp4 file for this project.
 - **Save as:** Save this project information for future use.
 - **Share via:** Create an mp4 file and share it. Touch an option, such as Bluetooth, and follow the on-screen instructions.

Section 8: 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 the 802.11 b/g/n Wi-Fi protocol.

Configuring Wi-Fi Settings

For more information about configuring your device's Wi-Fi settings, see “*Wi-Fi*” on page 123.

Finding Wi-Fi Networks

You can have your device automatically notify you of available networks. For more information, refer to “*Advanced Settings*” on page 124.

Turning 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).

Turning Wi-Fi On

1. From any screen, touch the Time in the Status Bar. The Status Details displays.
2. Touch **Wi-Fi** to turn Wi-Fi On.

Turning Wi-Fi Off




1. From any screen, touch the Time in the Status Bar. The Status Details displays.
2. Touch **Wi-Fi** to turn Wi-Fi Off.

Scanning and Connecting to a Wi-Fi Network

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

1. From any screen, touch the Time in the Status Bar. The Status Details displays.
2. Touch **Wi-Fi** to turn Wi-Fi On. Your device automatically scans for available Wireless Access Points.
3. When the scan is complete, touch a Wi-Fi network to connect. If the Wi-Fi network is open, your device automatically connects. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From a Home screen, touch  **Apps** →  **Settings**.
2. Under **Wireless and network**, on the Wi-Fi tab, touch the **OFF / ON** icon  to turn Wi-Fi on.
3. Touch **Add network**, then enter network information:
 - **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 **Save** to save the 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.

1. From a Home screen, touch  **Apps** →  **Settings** → **More settings** → **Wi-Fi Direct**.
2. Touch the **OFF / ON** icon  to turn Wi-Fi Direct on.

If you are currently connected to a Wi-Fi network, a prompt displays **Start Wi-Fi Direct operation. This will turn off Wi-Fi client/hotspot operation.**

3. Touch **OK** to continue.


Your device will begin to search for other devices enabled with Wi-Fi direct connections.

4. Touch the Wi-Fi Direct tab to display Available devices.
5. Enable Wi-Fi Direct (similar to Steps 1 and 2) on the device to which you want to connect.
6. Once the device you want to connect to is displayed, touch on it.

An Invitation to connect displays on the device to which you want to connect.

7. On that device, touch **Accept**.

You have 30 seconds to touch **Accept** on the device to which you want to connect for the connection to be made.

Once connected, the other device will show as **Connected** in your list of Wi-Fi Direct devices and the  icon will display at the top, left of your screen.

Sharing Information with Connected Device

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 **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. For example, Android_XXXX.
4. The other device displays a pop-up that indicates it is receiving the file.
The file is transferred and can be found in **My Files** in the ShareViaWifi folder.

Note: Depending on the other device model, the prompts and shared folder information may differ.

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.

Configuring Bluetooth Settings

Configure your device's Bluetooth settings. For more information, refer to “Bluetooth” on page 125.

Turning Bluetooth On or Off

To turn Bluetooth on or off:


1. From a Home screen, touch  **Apps**
→  **Settings**.
2. Under **Wireless and network**, on the Bluetooth tab, touch the **OFF / ON** icon  to turn Bluetooth on or off.

Note: When Bluetooth is on, the **Bluetooth** icon  displays in the Status Bar.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your device and the target device.

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

1. From a Home screen, touch  **Apps**
→  **Settings**.
2. On the Bluetooth tab, touch the **OFF / ON** icon  to turn Bluetooth on.
3. Enable the target device's discoverable or visible mode.
4. Touch the **Bluetooth** tab and then touch **Scan**. Touch **Stop** at any time to stop scanning.
5. From the list of found devices, touch the target device, then follow the prompts to complete the pairing:
 - If the target device requires a PIN, enter a PIN for the target device and touch **OK**. When prompted, enter the PIN on the target device.

- If the device allows automatic or smart pairing, your device attempts to pair with the device automatically. Follow the prompts on your device and the target device to complete the pairing.

Sharing Data with a Bluetooth Device

To send data to a Bluetooth device:

1. Select a file or item from an appropriate application.
2. Select an option for sharing data with the Bluetooth feature.

Note: The method for selecting an option may vary by data type.

3. Search for and pair with a Bluetooth device. For more information, refer to *“Pairing with a Bluetooth Device”* on page 94.

Receiving Data from a Bluetooth Device

To receive data from a Bluetooth device:

1. Turn Bluetooth on. For more information, refer to *“Turning Bluetooth On or Off”* on page 94.

Note: To select the length of time that your device will be visible, select  **Menu** → **Visible time-out**.

2. Pair with the Bluetooth device from which you want to receive data. For more information, refer to *“Pairing with a Bluetooth Device”* on page 94.

A Bluetooth authorization request pop-up displays when a Bluetooth device sends data to your device.

3. Select **Accept** to confirm that you are willing to receive data.

A File received message displays.

Received data is saved to the Bluetooth folder. If you receive a contact, it is saved to your contacts automatically.

Managing Downloads

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



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

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

Uninstalling an App

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

There are several ways to uninstall an app:





1. From a Home screen, touch  **Apps** →  **Settings** → **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 116).

To uninstall an app from the Apps screen:

1. From a Home screen, touch  **Apps**.
2. Touch  **Menu** → **Downloaded applications**.
The Downloaded applications screen displays.
3. Touch  **Menu** → **Uninstall**.
A  appears on Apps that can be uninstalled.
4. Touch an app's icon and then touch **OK** to uninstall and remove the app from your tablet.

Note: You cannot uninstall the apps that are included with Android. You can only uninstall the apps you have downloaded.

Kies Via Wi-Fi

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 the PC.

Note: Some features will be supported through the System Updates feature in the future. For more information, refer to “*Software Update*” on page 154.



To learn more about Samsung Kies and Samsung applications, browse featured applications and download Kies at: <http://www.samsung.com/us/support/downloads>.

Note: Samsung Kies works on both PC and Macintosh computers.

Connecting With Samsung Kies

1. Install Samsung Kies software on your PC.

Warning! Close any running applications before connecting your device to a PC.

2. Run Samsung Kies.
3. From a Home screen, touch  **Apps** →  **Settings**.
4. Touch **More settings** → **Kies via Wi-Fi**.
Select the source of the Wi-Fi connection for Kies air.
5. Follow the prompts from Kies to update your device firmware.
6. Refer to Samsung Kies Help for more information.

Memory Card

Your device supports removable microSD or microSDHC memory cards for storing music, photos, videos, and files.

Installing and Removing a Memory Card

For more information about installing and removing a memory card, see “*Memory Card*” on page 13.

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

Formatting a Memory Card

Formatting erases all content from the memory card and prepares it for use with your device.

Formatting a Memory Card Using Your Device

1. From a Home screen, touch  **Apps** →  **Settings** → **Storage**.
2. After mounting the SD card, touch **Format SD card**.
3. Follow the prompts to confirm the formatting of the card.

Formatting a Memory Card Using Your Computer

Consult your computer and/or memory card reader documentation for information about formatting memory cards.

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 AutoPlay screen.
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 folder **Card**, separate from the internal memory, which is folder **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 9: Applications and Widgets

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 already described in another section of this user manual, then a cross reference to that particular section is provided. Various widgets are also described.

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 details, see “*App Shortcuts*” on page 32.

Updating Applications

Once you have registered your device (see “*Software Update*” on page 154) and signed into your Google account (see “*Setting Up Your Gmail Account*” on page 49), 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 display.
2. Touch **Updates available**.

For more information, refer to “*Updates to Downloaded Apps*” on page 117.

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.

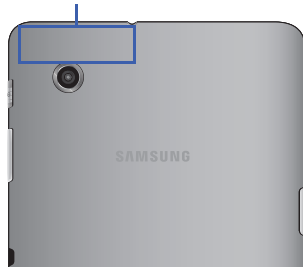
To receive better GPS signals, avoid using your device in the following conditions:

- 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 continents, including North America (U.S., Canada, and Mexico), Western Europe, and China, where wireless coverage is available.

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

Location of Internal GPS Antenna






(Back view of device)




Alarm

Set alarms for reminders or for wake-up times.




Adding and Configuring Alarms

1. From a Home screen, touch  **Apps** →  **Alarm**.
2. Touch  **Create alarm** to display the Create alarm screen.
– or –
Touch an existing alarm to display the Edit alarm screen.
3. Touch fields on the screen to configure the alarm.
 - Some fields have preset values. Touch the field and touch the desired value.
 - Other fields have to be input. Touch the field and use the on-screen keyboard to input information.
 - Touching the check box next to some fields may make additional fields available.
4. Touch **Done** to save the alarm.
The main Alarm screen displays showing the new or updated alarm.

Activating Alarms

1. From a Home screen, touch  **Apps** →  **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 **Done** to save the updates.

Editing and Deleting Alarms

1. From a Home screen, touch  **Apps** →  **Alarm**.
 2. Touch and hold an alarm and then touch one of the following options:
 - **Edit**: Edit the alarm. For more information, refer to “*Adding and Configuring Alarms*” on page 101.
 - **Delete**: Delete the alarm.
- or –
- Touch  **Delete**, touch the existing alarms you want to delete or touch **Select all**, and then touch **Delete**.

Turning Off an Alarm

When the alarm sounds, to turn off the alarm:

- Touch and drag  to the right.

Setting the Snooze Feature

To activate the Snooze feature after an alarm sounds:

- Touch and slide  to the left. Snooze must first be set in the alarm settings.

AllShare Play




AllShare Play allows your tablet to stream photos, music, and videos from its memory to other Digital Living Network Alliance (DLNA) certified devices. Your tablet can also play digital content streamed from other DLNA certified devices.

Note: To view more information about DLNA certified products visit <http://www.dlna.org/home>.

Configuring AllShare Play

You must first connect both of your communicating devices to the same Wi-Fi and be using an active and registered Samsung account prior to using this application. For more information, refer to “*Turning Wi-Fi On or Off*” on page 123. Connect to Wi-Fi, configure AllShare Play settings to identify your device as a server, and set treatment of copied files.


Important! The Samsung account manages the access information (username and password) to several applications, such as AllShare Play.

1. Connect to a Wi-Fi network. For more information, refer to “*Scanning and Connecting to a Wi-Fi Network*” on page 92.
2. From a Home screen, touch  **Apps**
→  **AllShare Play**.
The AllShare Play Sign In screen displays.
3. Touch **Sign in**.
The Samsung account screen displays.
4. Touch **Create new account**, if you have not set up a Samsung account, or touch **Sign in**, if you have already set up a Samsung account.
For more information, refer to “*Signing In to your Samsung Account*” on page 148.
The AllShare Play main screen displays.
5. Touch **Start**.
6. For more information, touch  **Menu** → **FAQ**.

Amazon Kindle




Use the Amazon Kindle application to download books for reading, right on your device.

Note: You must be registered with Amazon to use the Kindle application.

- From a Home screen, touch  **Apps**
→  **Amazon Kindle**.

Calculator



The calculator provides the basic arithmetic functions to solve simple arithmetic problems and advanced operators to solve more complex problems.



1. From a Home screen, touch  **Apps**
→  **Calculator**.
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by touching the + (add), - (subtract), × (multiply), or ÷ (divide) 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. For more advanced problems, rotate your device to landscape mode and use the advanced operators **sin**, **ln**, **cos**, **log**, **tan**, and so on, just as you would on a pocket calculator.
9. 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

Your device includes a powerful planner to help you organize your schedules more conveniently and effectively. Learn to create and manage events and tasks, and set alarms to remind yourself of important events and tasks.

1. From a Home screen, touch  **Apps**
→  **Calendar**.
2. Touch a tab to choose a calendar view:
 - **Year**: Display all twelve months of this year. Sweep across the years at the bottom of the screen to display another year.
 - **Month**: Display the current month. Touch a month and year at the bottom of the screen to display another month.




- **Week**: Display the current week. Touch a week at the bottom of the screen to display another week.
 - **Day**: Display today's schedule by hour. Touch day at the bottom of the screen to display another day.
 - **List**: Display only event and task names and dates for a selected year. Touch a year at the bottom of the screen to display another year. Touch a date to hide or show the event or task name.
 - **Task**: Display your list of tasks. Touch the sort field to change how your tasks are sorted. Tasks can be sorted by due date, priority, date, week, month, or group.
3. Swipe left or right across the screen to view other days or other weeks. Swipe up or down the screen to view other events.
 4. To find an event or task, touch  **Search**.
Use the on-screen keyboard to enter a search term.
Possible events display as you type.
Touch  on the keyboard to remove it.
Touch an event to send, edit, or delete the event.

5. Touch  **Add event / Add task** and then touch **Done** to add a new event to your calendar. For more information, refer to “*Creating an Event or Task*” on page 105.
6. Touch  **Menu** for these options:
 - **Zoom in:** In the Week and Day views, increase the size of the area being viewed.
 - **Zoom out:** In the Week and Day views, decrease the size of the area being viewed.
 - **Go to:** Use the Set date pop-up to enter a date and then touch Set to display that date on your calendar.
 - **Delete:** Delete events for the year, month, week, day, week, month, before today, or all events, depending on the Calendar view.
 - **Sync:** Manually synchronizes the calendar entries among all of your current accounts, for example, Gmail, Exchange, and so on.
 - **Show controls / Hide controls:** Show or hide a small month calendar and a list of events in landscape mode.
 - **Settings:** Customize the calendar. For more information, refer to “*Calendar Settings*” on page 106.

7. Touch **Today** to return to the current date.
8. Touch **Calendars** to configure which events to display. Touch **Add account** to add additional accounts from which calendar events can be synced.




Creating an Event or Task

To create an event or task:

1. From a Home screen, touch  **Apps**
→  **Calendar**.
2. Double-tap the date for which you want to enter an all day event or task.
– or –
Touch the date for which you want to enter an event or task and touch .
3. Touch the **Add event** or **Add task** tab.
4. Enter the event or task information.
5. Touch **Save**.




Managing Events

You can delete, send, and edit events on your mobile device:

1. From a Home screen, touch  **Apps**
→  **Calendar**.
2. Touch an event.
A pop-up displays event information.
3. Touch **Delete** and then touch **OK** to delete the event.
Touch  **Menu** → **Share via** and then touch **Bluetooth**, **ChatON**, **Dropbox**, **Email**, or **Wi-Fi Direct** to share the event.



Touch **Edit** to update the event details.

– or –

Touch  **Options** and then touch  **Delete**,
→ **Send**, or  **Edit**.

Add Additional Calendar Accounts

To add additional accounts:

1. From a Home screen, touch  **Apps**
→  **Calendar** → **Calendars** → **Add account**.
– or –




From a Home screen, touch  **Apps** →  **Settings**
→ **Add account**.

The Add account screen displays.

2. Touch an account type and enter your account information.

Calendar Settings

To set up Calendar preferences:

1. From a Home screen, touch  **Apps**
→  **Calendar**.
2. Touch  **Menu** → **Settings**.
3. On the left side of the screen touch **View settings**, **Event notification**, **Sync settings**, or one of your accounts.
Options display on the right side of the screen.

4. Touch fields on the screen to configure the Calendar.
- Some fields have preset values. Touch the field and touch the desired value.
 - Other fields have to be input. Touch the field and use the on-screen keyboard to input information.
 - Touching the check box next to some fields may make additional fields available.

Camera

Take photos and record video with your device's built in Camera.

For more information, refer to “*Camera*” on page 73.

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

ChatON

Use ChatON to send and receive instant messages from any device that has a mobile phone number.



For more information, refer to “*ChatON*” on page 54.

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

Contacts




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


For more information, refer to “*Contacts*” on page 42.

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

Downloads

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

1. From a Home screen, touch  **Apps**
→  **Downloads**.
2. Touch an item to open it.
3. Touch headings for earlier downloads to view them.
4. Touch items you want to send, to check them, and then touch  **Share**. Touch an option to share the item. Options are: ChatON, Dropbox, Picasa, Photo Editor, Google+, Bluetooth, Wi-Fi Direct, Gmail, Email, or YouTube.

5. Touch items you want to delete, to check them, and then touch  **Delete**.

The items are deleted from your tablet.

6. Touch **Sort by size** or **Sort by date**, at the bottom of the Downloads pop-up, to switch back and forth.

Dropbox

Dropbox provides access to your personal computer files directly from your device. It allows you to take your files with you when you are on the go, edit files in your Dropbox from your device, upload photos and videos to Dropbox, and share your selected files freely with family and friends.

The in-device application works together with a partner program placed on a target computer using an active Internet connection.

Dropbox creates a folder that automatically synchronizes its contents across all of your connected devices on your account. Update a file to your dropbox on your computer, and it is automatically updated to the same folder on your other devices.



Download the Desktop Application

1. Use your computer's browser to navigate to:
<http://www.dropbox.com/>.
2. Follow the on-screen instructions to install this application on your target computer containing the desired files.

Important! The computer application must be installed on the computer containing the desired files and that computer must have an active Internet connection.

Note: It might be necessary to configure your router's firewall settings to allow this application to gain access to the Internet.

Accessing Dropbox On Your Device

1. From a Home screen, touch  **Apps**
→  **Dropbox**.
2. Follow the on-screen instructions.
- 3.

Email

Send and receive email using popular email services. For more information, refer to “*Email*” on page 50.

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




Gallery

Use Gallery to view, capture, and manage photos and videos. For more information, refer to “*Gallery*” on page 81.

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

Game Hub

Access social and premium games. Join Game Hub to enjoy free games with your friends.

1. From a Home screen, touch  **Apps** →  **Game Hub**.
A Disclaimer screen displays.
2. Read the Disclaimer and touch **Confirm**.
3. Touch  **Menu** to display the following options:
 - **Uninstall**: Touch this option to uninstall a previously installed game.
 - **Legal notices**: Displays Game Hub legal information.
4. Touch a game and follow the on-screen instructions.

Gmail



Send and receive email with Gmail, Google’s web-based email. For more information, refer to “*Gmail*” on page 49.

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

Google

Search the internet using the Google search engine. For more information, refer to “*Google Search*” on page 55.

Tip: Google Search appears by default on all Home screens.

- From the main Home screen, touch the **Google** widget.
– or –
From a Home screen, touch  **Apps** →  **Google**.

Google+

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



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

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

Internet

Your device includes a full HTML Browser, to access the internet.

For more information, refer to “*Internet*” on page 56.



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

Group Play


Group Play is an easy way to share files in real time with others who are on the same Wi-Fi network. Group Play can be used when you want to share documents, images, music, and so on.

You can use Group Play for meetings, sales presentations, conferences, and classes. All you need is a Wi-Fi network that works with Group Play, and most do.

Using Group Play from an Application

While using various applications, such as  **Gallery**, when you touch  **Share** to share a file, you see Group Play as an option.

To share a file using Group Play:

1. From a Home screen, touch  **Apps** →  **Gallery**.
2. Navigate to the file you want to share and touch  **Share via** → **Group Play**.

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

Note: After the initial Group Play request, touch

 **Group Play** instead of  **Share**.

3. Use the keyboard to enter a PIN code and touch **Done**.
This process makes sure only desired recipients can view your shared image.


The Group Play screen displays and the device waits for other connected recipients to accept the connection and enter the PIN on their screens.

You can now interact and draw with the on-screen image, and users will instantaneously see the same gestures and also be able to interact.

Note: The newly altered image (with markups and comments) cannot be saved, but you can take a screen shot of the current image and save it to your Clipboard. For more information, refer to “*Screen Capture*” on page 24.

Using Play Cast Directly

You can also access Group Play from the Applications screen.



1. From a Home screen, touch  **Apps**
→  **Group Play**.

The Group Play screen displays.

2. If **Not connected** is displayed on the left side of the screen, touch **Wi-Fi settings** to connect to a Wi-Fi network.
Once your device is connected to a Wi-Fi network, the network name is displayed.
3. Touch **Start** to share a picture, document, or music. For more information, refer to “*Using Group Play from an Application*” on page 110.
4. Touch **Join** to join a Group Play session in progress. Use the keyboard to enter the required PIN code and touch **Done**.

Help

Use this app to learn more about your tablet, change important settings, use key applications, and link to product videos.

1. From a Home screen, touch  **Apps** →  **Help**.
2. Touch a topic on the left side of the screen to view information on the right side of the screen.

Local

Google Local (originally Google Places) is an application that uses Google Maps and your location to help you find destinations, such as restaurants, bars, hotels, attractions, ATMs, and gas stations. You can also add your own locations. For more information, refer to “*Local*” on page 59.

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

Maps

Use Google Maps to find your current location, get directions, and other location-based information. For more information, refer to “*Maps*” on page 59.


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

Note: You must enable location services to use Maps. Some features require Stand-alone or Google location services. For more information, refer to “*Location Services*” on page 135.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. For more information, refer to “*Media Hub*” on page 87.




Note: Media Hub service requires a Media Hub account and depends on service availability.

- From a Home screen, touch  **Apps**
→  **Media Hub.**

Memo

Create and manage text memos and use Bluetooth to send memos to paired Bluetooth devices.





Composing a Memo

1. From a Home screen, touch  **Apps** →  **Memo.**
2. Touch  **Add**, compose the memo, then touch **Done** to save.

For more information, refer to “*Entering Text*” on page 39.

Memo Viewing Options

While viewing your Memos:

1. Touch  **List** to view your memos in a list mode.
Touch an entry in the list on the left to view the memo on the right of the screen.
– or –
Touch  **Thumbnails** to view your memos in a thumbnail mode.
2. To delete one or more memos, touch  **Delete**, select one or all memos, and touch **Delete**.
3. Touch  **Menu** for the following options: Sort by, Share via, Print, Sync memo, PIN lock, and Font size.
4. Touch and hold a memo thumbnail or list entry to display the following options: Delete, Lock/Unlock, and Share via.



Memo Options

While viewing a Memo, touch  **Memo options** for the following options: Delete, Color, Lock/Unlock, Print, and Send via.

Messenger

With Google Messenger, you can bring groups of friends together into a simple group conversation.



For more information, refer to “*Messenger*” on page 54.

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

Music Hub



The Music Hub lets you purchase and download songs and albums.

For more information, refer to “*Music Hub*” on page 71.

- From a Home screen, touch  **Apps**
→  **Music Hub.**



Music Player

Play music and other audio files that you copy from your computer. For more information, refer to “*Music Player*” on page 66.

- From a Home screen, touch  **Apps**
→  **Music Player.**


My Files


Find, view, and manage folders and files, such as music files, photo files, video files, and so on, stored on your tablet. If the file is associated with an application on your device, you can launch the file in the application.

1. From a Home screen, touch  **Apps**
→  **My Files.**
2. Touch a folder and scroll down or up until you locate a file.

Note: You may have to touch one or more subfolders before you encounter files.

3. Touch a file to launch it in the associated application, if the file is associated with an application.
4. While browsing files, use these controls:

 **Up:** Display a higher directory.

 **Search:** Use the keyboard to enter a search term. The current folder is searched and results are displayed. Touch **X** to remove the search field.



Display mode: Enable thumbnails for each file.

– or –



Enable list mode.



Root: Display the root directory.



Add Folder: Add a new folder in the current folder.



Mark files: Touch the box to the left of each file or next to the folder to select all files in the folder. Then touch send, copy, cut, or delete in the Application bar.

5. To view a photo file:

- Touch the file.

The Gallery app is used to open the photo.

For more information, refer to “*Viewing Photos and Videos*” on page 82.

6. To view a video file:



- Touch the file.

The Video Player is launched and plays the video.

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

Navigation

Use Google Navigation to find a destination and get walking or driving directions. For more information, refer to “*Navigation*” on page 61.

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

Netflix

Watch TV shows and movies, streaming from Netflix.

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



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

Next Issue

Next Issue offers enhanced editions of the world's most popular magazines, optimized for tablets. Everything you love about the print edition plus exclusive photos, videos and stories.

New subscribers can get started with a FREE 30-day trial or purchase single issues. Already subscribe? Depending on the magazine title, existing print subscribers qualify for a free or discounted digital subscription.

For more information, go to <http://www.nextissue.com>.

- From a Home screen, touch  **Apps**
→  **Next Issue**.

Paper Artist

Add cartoon and many other effects to existing photos or photos you take within Paper Artist.



1. From a Home screen, touch  **Apps**
→  **Paper Artist**.
2. Touch **Help** (the question mark in the upper right corner of the screen) to get started.

Photo Editor

To perfect any photos stored on your tablet, use Photo Editor to crop, rotate, resize, adjust color and contrast, and much more.



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

- From a Home screen, touch  **Apps**
→  **Photo Editor**.

Play Books

Google eBooks is a new way to discover, buy, and enjoy your favorite books online and offline.

For more information, refer to “*Play Books*” on page 61.

- From a Home screen, touch  **Apps**
→  **Play Books**.

Play Magazines




Google Play Magazines helps you subscribe to your favorite magazines so you can have them available to read on your tablet at your leisure.

For more information, refer to “*Play Magazines*” on page 62.

- From a Home screen, touch  **Apps**
→  **Play Magazines**.



Play Movies & TV

The Play Movies & TV app is a new application for select Android devices. Any movie you rent from the Google Play Store can be downloaded for offline viewing through this application. In addition, the Play Movies & TV app can be used to stream your Google Play movie rentals as well as play any of your personal videos stored on your tablet.

1. From a Home screen, touch  **Apps**
→  **Play Movies & TV.**
2. For more information touch  **Menu** → **Help.**



Play Music

Play music and other audio files that you copy from your computer. For more information, refer to “*Play Music App*” on page 63.

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

Play Store


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

1. From a Home screen, touch  **Apps**
→  **Play Store.**

If you are not already logged in with your Google account, the Add a Google Account screen displays.

- Touch **Existing**, if you already have a Google account, or **New** to create a Google account.




For more information, refer to “*Setting Up Your Gmail Account*” on page 49.

2. The first time you open Play Store, read the Google Play Terms of Service, the Google Music Terms of Service, the Google Books Terms of Service, and the YouTube Rentals Terms of Service, then touch **Accept** to continue.
3. To get help for using Google Play, touch  **Menu** → **Help.**

Updates to Downloaded Apps

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




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

1. From a Home screen, touch  **Apps**
→  **Play Store**.
2. Touch  **Installed Apps**.
3. Touch the **Installed** tab to list the Play Store apps installed on your device.
Update is displayed if there is an update available for the app.
4. Touch an app and then touch **Allow automatic updating** to enable automatic updating.
5. Touch **Open** to open the app on your device.
6. Touch **Update** to immediately update the app on your device.

Polaris Office



This application is a Microsoft Office compatible office suite that provides a central place for managing your documents online or offline.

The application can also open Adobe PDF (Portable Document Format) files.

1. From a Home screen, touch  **Apps**
→  **Polaris Office**.
2. Enter your Email information, if desired, and touch **Register** to complete the process.
– or –
Touch **Skip** to ignore this registration.
The main Polaris Office screen displays.
3. To get help for using Polaris Office, touch  **Menu**
→ **Help** → **User Guide**.

Readers Hub



Samsung Readers Hub is a one stop shop for books, magazines and newspapers from around the world.


- From a Home screen, touch  **Apps**
→  **Readers Hub.**

Important! Data download charges may apply. Costs may apply for paid Samsung Readers Hub material. Check with your Service provider for more details.

S Suggest



S Suggest recommends popular applications, when your device is connected to a Wi-Fi, that are guaranteed to be compatible with your device.

1. From a Home screen, touch  **Apps**
→  **S Suggest.**
The Country list of countries displays.

2. Touch a country in the list (for example, United States) and then touch **OK**.
The Terms and conditions display.
3. Touch the **Agree** check box and then touch **Agree**.
The S Suggest main screen displays.
4. To get help for using S Suggest, touch  **Menu**
→ **Help and notices.**

Samsung Apps

Connect to Samsung Apps and make your smart device even smarter. Simply and easily download an abundance of applications to your tablet such as games, news, reference, social networking, navigation, and more.

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

Screensaver


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

1. From a Home screen, touch  **Apps**

→  **Screensaver.**

The Galaxy Tab 2 7.0 Screensaver Settings screen displays.

2. Follow the on-screen instructions to set up Screensaver.

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

Settings

Configure your device to your preferences.

For more information, refer to “Settings” on page 123.

- From a Home screen, touch  **Apps**

→  **Settings.**

Smart Remote

Allows you to locate and watch programming on your tv and then control your entertainment system with gestures from the device.

For more information, go to: <http://www.peel.com>.

Discover and control TV programming right from your device. Lose your remotes, once and for all. Quit scrolling those tiresome grid guides. See what you want, right at your own fingertips: your shows, your controls, your friends.

Peel suggests Top Pick TV shows for you based on what you watch and like. Instead of a long, boring channel grid, Peel presents an easy-to-use mosaic of your favorite shows, filtered by type and genre in the order you like.

1. From a Home screen, touch  **Apps**

→  **Smart Remote.**



The Samsung Disclaimer displays.

2. Touch **Agree.**
3. Touch Set Up Smart Remote Now: **US & Canada.**
4. Follow the on-screen instructions.

Talk

Use Google Talk to chat with other Google Talk users.



For more information, refer to “*Google Talk*” on page 53.

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

Task Manager


View and manage active applications on your device.

For more information, refer to “*Task Manager*” on page 11.

- From a Home screen, touch  **Mini App Tray**
→  **Task manager**.



The Task manager pop-up displays.

– or –

Touch  **Navigation** and then touch **Task manager**.

Video Editor



Video Editor lets you custom-make your own videos. You can add themes, music, pictures, and other videos to your video.

1. From a Home screen, touch  **Apps**
→  **Video Editor**.
2. Follow the on-screen instructions.

Video Player




View and manage videos stored on your tablet.

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

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

Voice Search

To use Voice Search:

1. From a Home screen, touch  **Apps**
→  **Voice Search**.
2. Touch  and speak the search criteria slowly and clearly. Google searches for the information and displays results or displays **Retry**.

World Clock

View the date and time in any time zone.

1. From a Home screen, touch  **Apps**
→  **World Clock**.
A map of the world displays with the locations you have added flagged.
2. Touch  **Add** to add a city to display.
A list of world cities displays in landscape mode.




3. Scroll through the list and touch the city you want to add.



Tip: Touch the first letter of the city's name, to the right of the list, to find the city more quickly.

– or –

In portrait or landscape mode, touch and turn the globe to locate a city and touch the city you want to add.

A pop-up displays the city name, the current time and date there, and the GMT offset.

4. To add the city, touch  **Add** on the pop-up.
5. To change the order of the cities, touch  **Reorder**. Touch the grid  on an entry and drag the entry to a new position in the list. Touch **Done** to change the order.

6. Touch  **Remove** to delete entries. Touch the box next to the cities you want to delete so that a  check mark displays, then touch **Remove**.
7. Touch and hold an entry to remove it or to set the **DST settings**, which enable or disable Daylight Savings Time adjustments.

Yahoo! Finance

Stay on top of the markets with the Yahoo! Finance app for Android devices. Get real-time quotes, follow the market, or check out a particular stock. View headline news, top stories, and videos from Tech Ticker. Yahoo! Finance lets you keep up with the market movers from your Android phone.

To add the Yahoo! Finance widget to a Home screen, see *“Adding Widgets to a Home screen”* on page 32.

From the Yahoo! Finance main screen, you can add and display your favorite stocks.

Touch the **Currencies tab** to display the currency exchange rate for various currencies.

Yahoo! News

Display current news and much more from Yahoo!



To add the Yahoo! News widget to a Home screen, see *“Adding Widgets to a Home screen”* on page 32.

1. From a Home screen, touch the **Yahoo! News** widget.
The first time you connect, the Select news by country screen displays.
 - Touch a country and then touch **Done**.
 - Touch the **Yahoo! News** widget again.
The Yahoo! News screen displays.
2. Touch and swipe the tabs left or right to see all the news categories.
3. Touch a tab to view that category.

YouTube

View and upload YouTube videos, right from your device.

For more information, refer to *“YouTube”* on page 62.

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

Section 10: Settings

This section explains Settings for customizing your device.


Accessing Settings

- From a Home screen, touch  **Apps**

→  **Settings**.

– or –

Touch the top of the screen and swipe downward to display the Quick Settings pop-up, then touch

 **Settings**. For more information, refer to “*Quick Settings*” on page 27.

The Settings screen displays.

The Settings Screen

The Settings screen has tabs on the left side of the screen. Information related to the tabs displays on the right side of the screen. There are four major groups of settings: Wireless and network, Device, Personal, and System.

Wireless and Network

Control your device’s wireless connections.

Wi-Fi

Your device supports Wi-Fi b/g/n. Use Wi-Fi settings to manage your device’s Wi-Fi connections.

For more information about using your device’s Wi-Fi features, see “*Wi-Fi*” on page 91.

Turning Wi-Fi On or Off

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

- From any Home screen, touch the time, then touch **Wi-Fi** from the Quick Settings menu.

For more information, refer to “*Quick Settings*” on page 27.

– or –

From a Home screen, touch  **Apps**

→  **Settings**. On the Wi-Fi tab, touch the **OFF / ON** icon  to turn Wi-Fi on or off.




Scan for Wi-Fi Networks

To make sure you have an accurate list of Wi-Fi networks.

- From a Home screen, touch  **Apps** →  **Settings** →  **Wi-Fi**, and then touch **Scan**.

Add Wi-Fi Network

To open a dialog where you can add a Wi-Fi network by entering its Network SSID (the name it broadcasts), security type, and other properties:

1. From a Home screen, touch  **Apps** →  **Settings** →  **Wi-Fi**, and then touch **Add network**.
2. Use the keyboard to enter **Network SSID**.
3. Touch the **Security** field and then touch a security type.

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


4. If necessary, touch **Password** and enter the password or hex key.
5. Touch **Save**.

Advanced Settings

Set up and manage wireless access points.

1. From a Home screen, touch  **Apps** →  **Settings** →  **Wi-Fi**.
2. Touch  **Menu** → **Advanced**.


The following options display:

- **Network notification:** Have your device alert you to new Wireless Access Points (WAPs). Touch **Network notification** to turn notifications On or Off. When enabled, a check mark  appears in the check box.
- **Keep Wi-Fi on during sleep:** Specify when to disconnect from Wi-Fi. Option are: Always, Only when plugged in, or Never.
- **MAC address:** View your device's MAC address, required when connecting to some secured networks (not configurable).
- **IP address:** View your device's IP address.

Wi-Fi Direct Settings

You can configure your device to connect directly with other Wi-Fi capable devices. This is an easy way to transfer data between devices. These devices must be enabled for Wi-Fi Direct communication. This connection is direct and not via a hot spot or WAP.

Note: Activating this feature will disconnect your current Wi-Fi network connection.

1. From a Home screen, touch  **Apps** →  **Settings** →  **Wi-Fi**.
2. Touch the **OFF / ON** icon  to turn Wi-Fi on.
3. Touch **Wi-Fi Direct** to display Available devices.
Your device begins to search for other devices enabled with Wi-Fi direct connections.
4. When scanning is complete, touch a device name to begin the connection process to another Wi-Fi Direct compatible device.

Note: The target device must also have Wi-Fi Direct service active and running before it is detected by your device.

The direct connection establishes, the status field displays “Connected”, and your connected device is displayed in the Wi-Fi Direct devices listing.

5. Touch **End connection** → **OK** to end the Wi-Fi Direct connection.

For more information, refer to “*Wi-Fi Direct*” on page 92.

Bluetooth

Use Bluetooth settings to manage Bluetooth connections, set your device’s name, and control your device’s visibility.




Turning Bluetooth On or Off

To turn your device’s Bluetooth service On or Off:

- From any Home screen, touch the time, then touch **Bluetooth** from the Quick Settings menu.

For more information, refer to “*Quick Settings*” on page 27.





– or –

From a Home screen, touch  **Apps** →  **Settings**. On the Bluetooth tab, touch the **OFF / ON** icon  to turn Bluetooth on or off.

For more information about using Bluetooth to exchange information with other Bluetooth devices, see “*Bluetooth*” on page 94.


Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From a Home screen, touch  **Apps** →  **Settings** →  **Bluetooth**.
2. Touch **Scan** to scan for nearby discoverable devices. After searching, touch a device to pair with it. For more information, refer to “*Pairing with a Bluetooth Device*” on page 94.
3. Touch  **Menu** and select a Bluetooth setting to configure:
 - **Rename device:** Your device's default name displays on screen. Touch to change the device name. Available when Bluetooth is turned On.
 - **Visible time-out:** Use this setting to control when to automatically turn off the Discoverable option: 2 minutes, 5 minutes, 1 hour, or Never timeout.
 - **Received files:** Show the list of files received by using Bluetooth.

Data Usage

From this screen you can view the Wi-Fi or Ethernet data usage.

1. From a Home screen, touch  **Apps** →  **Settings** →  **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.

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

More Settings



This tab displays additional wireless and network information.


- From a Home screen, touch  **Apps** →  **Settings** → **More settings**.
Options display for Airplane mode, VPN, Nearby devices, and Kies via Wi-Fi.

Airplane Mode

Airplane mode allows you to use many of your tablet's features, such as Camera, Games, and more, when you are in an airplane or in any other area where accessing data is prohibited.

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

- Press and hold the **Power** button then touch **Airplane mode**.
– or –
From a Home screen, touch  **Apps** →  **Settings** → **More settings** → **Airplane mode**, touch the check box, and then touch **OK** to turn on Airplane mode.

A check mark  appears in the check box when Airplane mode is On.

VPN



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

Important! Before you can use a VPN you must establish and configure one.



Adding a VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).



Note: You must also set a screen unlock PIN or password before you can use credential storage. For more information, refer to “*Screen Lock*” on page 136.

1. From a Home screen, touch  **Apps** →  **Settings** → **More settings** → **VPN**.
2. Touch **Add VPN network**.
3. In the form that appears, fill in the information provided by your network administrator.
4. Touch **Save** to save your VPN settings.



Connecting To a VPN

1. From a Home screen, touch  **Apps** →  **Settings** → **More settings** → **VPN**.
2. Touch the VPN to which you want to connect.
3. In the pop-up that opens, enter any requested credentials.
4. Touch **Connect**.

Edit a VPN

1. From a Home screen, touch  **Apps** →  **Settings** → **More settings** → **VPN**.
2. Touch and hold the VPN that you want to edit.
3. In the pop-up that opens, touch **Edit network**.
4. Make the desired VPN setting changes.
5. Touch **Save**.

Delete a VPN



1. From a Home screen, touch  **Apps** →  **Settings** → **More settings** → **VPN**.
2. Touch and hold the VPN that you want to delete.
3. In the pop-up that opens, touch **Delete 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 the Wi-Fi network and this option with care.

To configure this option:

1. From a Home screen, touch  **Apps** →  **Settings** → **More settings** → **Nearby devices**.
2. Touch **File sharing** to turn File sharing on.
A check mark  appears in the check box when File sharing is On.
3. In the Advanced section, set the following options:
 - **Shared contents:** Select the content to share. Choices are: Videos, Photos, and Music.
 - **Device name:** Enter the name for your device. The default is the model number: GT-P3113.
 - **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 USB storage or SD card.
- **Upload from other devices:** If a nearby device attempts to upload data, this setting indicates the response.

Kies via Wi-Fi

Wi-Fi configuration and usage by Kies Air.



1. From a Home screen, touch  **Apps** →  **Settings** → **More settings** → **Kies via Wi-Fi**.
2. Select the source of the Wi-Fi connection for Kies air.


Device

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

Blocking Mode

When enabled, notifications for selected features are disabled.



1. From a Home screen, touch  **Apps** →  **Settings** → **Blocking mode**.
2. Touch the **OFF / ON** icon , to turn Blocking mode **ON**.

3. Touch **Disable notifications** to enable this feature. A check mark  appears in the check box when Disable notifications is On.
4. Touch the **Always** field to disable it and configure the **From** and **To** time fields.

Sound Volume

Set the volume level for all types of sounds.

Note: You can only set volume when Silent Mode is disabled.



1. From a Home screen, touch  **Apps** →  **Settings** → **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 the Home screen by pressing the Volume Key.

3. Touch **OK** to save your settings.

Notifications

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

1. From a Home screen, touch  **Apps** →  **Settings** → **Sound** → **Default notifications**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

System

You can activate or deactivate both touch and screen lock sounds.

1. From a Home screen, touch  **Apps** →  **Settings** → **Sound**.



2. Touch **Touch sounds** or **Screen lock sound** (both default to On).

When enabled, a check mark  appears in the check box.

Display

Wallpaper

You can choose a picture to display on the Home Screen, Lock screen, or to 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 a Home screen, touch  **Apps** →  **Settings** → **Display** → **Wallpaper**.
2. Touch **Home screen**, **Lock screen**, or **Home and lock screens**.

The Select wallpaper from screen displays the following options: **Gallery**, **Live wallpapers**, and **Wallpapers**.

For more information, refer to “*Wallpapers*” on page 34.



Brightness

Set the default screen brightness.

1. From a Home screen, touch  **Apps** →  **Settings** → **Display** → **Brightness**.
2. Touch and drag the slider to set the brightness or touch **Automatic brightness**.
3. Touch **OK** to save the setting.

Screen Timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From a Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch **Screen timeout** and select the screen delay time. The screen delays shutting off after inactivity for the selected period of time.



Font Style and Size

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

1. From a Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Touch **Font style** then touch a font or touch **Get fonts online** to browse and download a new font.
3. Touch **Font size** and select a font size.

Display Battery Percentage

Enable this setting to display the battery status as a percentage in addition to the battery status icon in the Status Bar.

1. From a Home screen, touch  **Apps** →  **Settings** → **Display**.
2. Then touch the check box next to **Display battery percentage**.

When enabled, a check mark  appears in the check box.

Storage

From this menu you can view the device memory or mount, unmount, or format an SD card.

Device Memory



- From a Home screen, touch  **Apps** →  **Settings** → **Storage**.

The Device memory displays as Total space, Applications, Pictures, videos, Audio, Downloads, Miscellaneous files, and Available space.



SD Card

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

Mounting an SD Card

1. Install an SD card. For more information, refer to “*Installing a Memory Card*” on page 13.
2. From a Home screen, touch  **Apps** →  **Settings** → **Storage**.
3. Touch **Mount SD card**.

Unmounting an SD Card

1. From a Home screen, touch  **Apps** →  **Settings** → **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 “*Removing a Memory Card*” on page 13.

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

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 a Home screen, touch  **Apps** →  **Settings** → **Storage**.

2. Touch **Format SD card** and then touch **Format SD card** again on the warning screen.
3. Touch **Delete all**.

Power Saving Mode

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

1. From a Home screen, touch  **Apps** →  **Settings** → **Power saving mode**.
2. On the Power saving tab, touch the **OFF / ON** icon  to turn Power saving on or off.
3. Turn Power saving on and touch the Power saving mode settings (**CPU power saving** or **Screen power saving**) to enable or disable them.
4. Touch **Learn about power saving** to display more information about saving power.

Battery

See how much battery power is used for device activities.

1. From a Home screen, touch  **Apps** →  **Settings** → **Battery**.

The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.

2. Touch **Screen** or **Android System** to view how the display and the Android system are affecting battery use.

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



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 a Home screen, touch  **Apps** →  **Settings** → **Application manager**.
2. Touch **Downloaded** or **Running** 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 a Home screen, touch  **Apps** →  **Settings** → **Application manager**.
2. Touch **Downloaded** to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the Downloaded tabs, touch Touch  **Menu** → **Sort by size** or **Sort by name**.
4. 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:** Stops an app that is misbehaving. Restart your device if stopping an app, process, or service causes your device to stop working correctly.
- **Uninstall:** Deletes the application from the tablet.

For more information, refer to “*Uninstalling an App*” on page 96.

- **Clear data:** Clears application data from memory.
- **Clear cache:** If the app stores data in a temporary area of the device's memory, and the amount of information stored is displayed, touch this button to clearing the temporary storage.
- **Clear defaults:** If you have configured an app to launch certain file types by default, clear that setting.
- **Permissions:** Lists the kinds of information about your device and data to which the app has access.

Running Services

View and control services running on your device.

1. From a Home screen, touch  **Apps** →  **Settings** → **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.

Personal

This section of the Settings screen lets you manage the personal settings for your device.

Location Services

You value your privacy. So, by default, your device only acquires your location when you allow it. To use Location-Based Services, you must first enable location services on your device.

Use Wireless Networks



Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Use wireless networks option or enable the GPS satellites.

1. From a Home screen, touch  **Apps** →  **Settings** → **Location services**.
2. Touch **Use wireless networks** to enable location information using the wireless network.

Use GPS Satellites

1. From a Home screen, touch  **Apps** →  **Settings** → **Location services**.
2. Touch **Use GPS satellites** to enable the GPS satellite.

Location and Google Search

1. From a Home screen, touch  **Apps** →  **Settings** → **Location services**.
2. Touch **Location and Google search** to use your location data for improved Google Search results and other Google services.

Lock Screen

Screen Lock



Choose settings for unlocking your screen. For more information about using the lock and unlock features, see “*Securing Your Device*” on page 14.

1. From a Home screen, touch  **Apps** →  **Settings** → **Lock screen**.
2. Touch **Screen lock** for these settings:
 - **Swipe**: Swipe the screen to unlock it.
 - **Face unlock**: Look at your tablet to unlock it. Follow the on-screen instructions to set up Face unlock.
 - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
 - **PIN**: Select a PIN to use for unlocking the screen.
 - **Password**: Create a password for unlocking the screen.
 - **None**: No pattern, PIN, or password is required.

Note: Additional options are available only if you set **Screen lock** to display the lock screen (any setting other than **Swipe** or **None**).

With Swipe Lock

Display a lock screen that has to be swiped and then display a lock screen on which the face unlock, pattern, PIN, or password has to be entered.

1. From a Home screen, touch  **Apps** →  **Settings** → **Lock screen**.
2. Touch the **With swipe lock** check box to activate or deactivate the option.




When enabled, a check mark  appears in the check box.

Lock Screen Options

You can customize the Lock screen with the lock screen options.



1. From a Home screen, touch  **Apps** →  **Settings** → **Lock screen**.

2. Touch **Lock screen options** and set the following options:

- **Shortcuts:** Touch the **OFF / ON** icon  to turn this option on or off. Touch **Shortcuts** to add up to four application shortcuts to the lock screen.
- **Information ticker:** Set news or stock information ticker on the lock screen. This option requires a Wi-Fi connection.
- **Clock:** Activate or deactivate the Lock screen clock. When enabled, a check mark  appears in the check box.
- **Weather:** Touch the **OFF / ON** icon  to turn this option on or off, which causes weather information to be displayed on the lock screen. This option requires a Wi-Fi connection.
- **Help text:** Display help text on the lock screen.


Lock Automatically

Use this option to set how quickly to lock the screen after the screen automatically turns off.

1. From a Home screen, touch  **Apps** →  **Settings** → **Lock screen**.
2. Touch **Lock automatically** and touch an option.

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.

1. From a Home screen, touch  **Apps** →  **Settings** → **Lock screen**.
2. Touch **Lock instantly with power key**.

When enabled, a check mark  appears in the check box.

Owner Information

Use this option to enable or disable whether to show owner information on the lock screen.


1. From a Home screen, touch  **Apps** →  **Settings** → **Lock screen**.

2. Touch **Owner information** and then touch **Show owner info on lock screen** to enable or disable the option.
3. Touch the text field and use the keyboard to enter the text to display on the lock screen.

Security

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 a Home screen, touch  **Apps** →  **Settings** → **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 both a Samsung account and a Google account to use Remote controls.

Sign In To Your Samsung Account




1. From a Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Remote controls**. Read the information and touch **OK** to acknowledge the information.
3. Touch **Add account** to create a Samsung account first, then a Google account.
4. Touch **Create new account** to create a Samsung account.
– or –

Touch **Sign in**, if you already have a Samsung account, enter your Email address and your Samsung account password, and touch **Sign in**.

For more information about Samsung accounts, see “*Signing In to your Samsung Account*” on page 148.



Enable or Disable Remote Controls

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

1. From a Home screen, touch  **Apps** →  **Settings** → **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** icon  in the upper right corner of the screen to turn Remote controls on or off.
5. Touch **Use wireless networks** to enable location information using the wireless network.



SamsungDive Web Page

To launch the SamsungDive web page:

1. From a Home screen, touch  **Apps** →  **Settings** → **Security** → **Find my mobile web page**.
2. Touch the Help tab to display more information about Remote Controls.

Passwords



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

1. From a Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Make passwords visible** to enable or disable brief displays of password characters.



When enabled, a check mark  appears in the check box.

Device Administration

To add or remove device administrators:

1. From a Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Device administrators**.

Enable or disable installation of non-Google Play applications.

1. From a Home screen, touch  **Apps** →  **Settings** → **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.

When enabled, a check mark  appears in the check box.

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

Credential Storage

Trusted Credentials

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 a Home screen, touch  **Apps** →  **Settings** → **Security**.

2. 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.

3. Touch a CA certificate to examine its details.

A scrolling screen displays the details.

4. Scroll to the bottom of the details screen and touch **Disable** to disable a System certificate or **Remove** to remove a User certificate.

Caution! When you disable a system CA certificate, the **Disable** button changes to **Enable**, so you can enable the certificate again, if necessary. When you remove a user-installed CA certificate, it is permanently deleted and must be re-installed, if needed.

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

When enabled, a check mark  appears in the check box.

Install from Device Storage

Install encrypted certificates from an installed memory card.



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

1. From a Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Install from device storage**, then choose a certificate and follow the prompts to install.

Clear Credentials

Clear stored credentials.

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

1. From a Home screen, touch  **Apps** →  **Settings** → **Security**.
2. Touch **Clear credentials** to remove all certificates.

Language and Input

Language


Set the language used by your device.

1. From a Home screen, touch  **Apps** →  **Settings** → **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 a Home screen, touch  **Apps** →  **Settings** → **Language and input**.


2. Touch **Default** and select a keyboard.
Samsung keyboard is the only selection available for this device.
3. Touch **Set up input methods**.
4. Touch **Google voice typing** to automatically use Google voice typing.
5. Touch  next to Google voice typing.

The following options are available:

- **Choose input languages:** Touch **Automatic** to use the local language or select a language from the list.
- **Block offensive words:** Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
When enabled, a check mark  appears in the check box.
- **Download offline speech recognition:** Enable voice input while offline. Touch the **All** tab to download speech recognition for other languages.

Configuring the Samsung Keyboard



To configure the Samsung keyboard:

- Touch  next to Samsung keyboard to display the following options:
 - **Input language:** Used to set a default text entry language. Touch this field, scroll through the options, and touch the desired input language. When activated, a check appears in the box.
 - **Predictive text:** Enable or disable XT9 predictive text. When enabled the system suggests words matching your text entries, and, optionally, completes common words automatically. When XT9 is enabled, touch the **Predictive text** field to set the following options:
 - **Word completion:** Enable or disable automatic word completion for words matching your text entries.
 - **Word completion point:** Choose the number of letters for the system to use to predict words for automatic completion.
 - **Spell correction:** Enable or disable automatic spell checking and correction.
- **Next word prediction:** When enabled, the system predicts the next word based on common usage patterns.
- **Auto-append:** When enabled, the most common predicted word is automatically added to your text.
- **Auto-substitution:** When enabled, the system automatically replaces words you enter with words from the XT9 auto-substitution list.
- **Regional correction:** When enabled, the system automatically changes the spelling of words based on norms for your locale.
- **Recapture:** When enabled, the system re-displays matching words when you make corrections to a word inserted by the system.
- **My word list:** Add words to your XT9 predictive text dictionary.
- **Auto-substitution list:** Manage the list of words the system uses for auto-substitution (Auto-substitution setting must be enabled).
- **Continuous input:** Enable or disable the Continuous input feature. When enabled, you can enter text by sliding your finger across the keyboard.



- **Voice input:** Enable or disable the Voice input feature. When enabled, you can choose to enter text by speaking the words, using Google's networked speech recognition feature.
- **Auto capitalization:** Enable or disable auto-capitalization. When enabled, the system automatically capitalizes words in your text based on common usage, such as at the beginning of sentences.
- **Auto-punctuate:** Enable or disable automatic insertion of a "full stop" (period and space to end a sentence) by touching the space bar twice.
- **Character preview:** Check to display an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
- **Key-tap sound:** Check to play a brief sound each time you touch a key on the on-screen keyboard.
- **Tutorial:** Displays help for using the Samsung keyboard and XT9 predictive text.
- **Reset settings:** Reset keyboard settings except XT9 my words and auto-substitution.



Speech

Set the speech settings for Voice search.

1. From a Home screen, touch  **Apps** →  **Settings** → **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, or only when using Hands-free functions.
 - **Block offensive words:** Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
 - **Hotword detection:** When enabled, saying the word Google launches voice search.
 - **Download offline speech recognition:** Enable voice input while offline. Touch the **All** tab to download speech recognition for other languages.



Voice output provides audible readout of text, for example, the contents of email messages.

1. From a Home screen, touch  **Apps** →  **Settings** → **Language and input**.

2. Touch **Text-to-speech output** and select the preferred TTS engine.
3. Touch  next to the preferred TTS engine and configure.
4. 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).
 - **Driving mode:** New notifications are read aloud when enabled. Touch the **OFF / ON** icon  to enable, then touch **Driving mode** to display the Driving mode settings: New emails, Schedule, and Unlock screen.

Mouse/trackpad

This option sets your Pointer speed.



1. From a Home screen, touch  **Apps** →  **Settings** → **Language and input**.
2. Touch **Pointer speed** then drag the slider to the right to go faster or to the left to go slower.
3. Touch **OK** to save your setting.

Back Up and Reset

You can also back up your data to the Google server and reset your device to its factory defaults.



Back Up My Data

Enable or disable backup of your information to the Google server.

1. From a Home screen, touch  **Apps** →  **Settings** → **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.


Backup Account

If you have enabled the **Back up my data** option, then the **Backup account** option is available.

1. From a Home screen, touch  **Apps** →  **Settings** → **Back up and reset**.
2. 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.



Automatic Restore

When enabled, backed-up settings are restored when you reinstall an application.

1. From a Home screen, touch  **Apps** →  **Settings** → **Back up and reset**.
2. Touch **Automatic restore** to enable or disable automatic restoration of settings from the Google server.

Factory Data Reset

Use Factory data reset to return your device to its factory defaults. This setting 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 a Home screen, touch  **Apps** →  **Settings** → **Backup and reset**.
2. Touch **Factory data reset**.
The Factory data reset screen displays reset information.

3. Touch **Reset device**, then follow the prompts to perform the reset.

Note: If you have set up your Samsung account, it has to be deleted before performing this function. For more information, refer to “*Managing Accounts*” on page 147.

Accounts

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

Your device provides the ability to 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.

Managing Accounts

To view the accounts you have added:

1. From a Home screen, touch  **Apps** →  **Settings** → (*account*).

The (*account*) is either Google, Sam account, or some other account you have added, such as Email.

Each of your accounts (Google, Samsung, and so on) are listed under Accounts.

2. Touch **Sync all** to synchronize all accounts listed. Touch **Cancel sync** to stop the synchronization.
3. Touch an account to view the sync settings for that account.
 - Touch **Sync now** to synchronize all data for the selected account.

– or –

Touch the account data to synchronize, such as, Calendar, Contacts, and so on.

- To remove the account, touch **Remove account** and then touch **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

4. For Google accounts, touch one of the items listed under Privacy to view various settings for that item.
– or –



For Samsung accounts, touch **Account settings** to manage Samsung account settings or **Device backup** to set Samsung account back up and restore options.

– or –

For Email accounts, touch **Settings** to manage various settings for that account.

Adding an Account

To add a new account:

1. From a Home screen, touch  **Apps** →  **Settings** → **Add account**.
2. Touch one of the account types.
3. Use the keyboard and 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 41.

Signing In to your Samsung Account

Several applications and options require that you create and sign in to a Samsung Account.

To sign in to your Samsung account:

1. From a Home screen, touch  **Apps** →  **Settings** → **Add account**.
2. Touch  **Samsung account**.
The Samsung account sign in screen displays.
3. Touch **variety of services** to display information about Samsung services that are available.
4. If you have no Samsung account:
 - Touch **Create new account**.
The Country or region list displays.
 - Touch a country or region in the list (for example, United States).
The Samsung account Terms and conditions screen displays.
 - Touch **Privacy policy** to display the Samsung Privacy Policy.

- Touch **I accept all the terms above** and then touch **Agree** to continue or touch  **Back** to return to the Samsung account screen.

– or –

If you do have a Samsung account, touch **Sign in**.

The Samsung account screen displays.

5. Use the keyboard to enter the required information and touch **Sign up** or **Sign in**.

Tip: The password is for your Samsung account, not the password you use for the email address you are entering. Plus, you can use only letters, numbers, !, @, \$, %, &, ^, and * for your Samsung account password.

The Settings screen displays with Samsung account listed under Accounts.

System

Accessory

1. From a Home screen, touch  **Apps** →  **Settings** → **Accessory**.



2. Touch **Dock sound**.

The tablet will not play sounds when inserting and removing the device from the dock when enabled.

When enabled, a check mark  appears in the check box.

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 a Home screen, touch  **Apps** →  **Settings** → **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.

Accessibility

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

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

System

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

Tip: Touch and swipe downward from the top of the screen to display the Quick Settings pop-up. Touch **Screen rotation** to enable or disable the auto-rotate feature. For more information, refer to “*Quick Settings*” on page 27.

- **Screen timeout:** Select the screen delay time the screen delays shutting off after inactivity for the selected period of time.
- **Lock automatically:** Lock the screen after it automatically turns off.
Note: The Lock automatically option only appears depending on the Screen lock setting. For more information, refer to “*Screen Lock*” on page 136.
- **Speak passwords:** Speaks passwords to enter them.
- **Accessibility shortcut:** Add a shortcut to Accessibility settings that displays when you press and hold the Power key.

Services

Enable or disable accessibility services.

Note: You must activate **Accessibility** before enabling services.

1. From a Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **TalkBack** to activate TalkBack.



Note: TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.

3. Touch the **OFF / ON** icon  to turn TalkBack on.
4. Touch **Settings** to configure TalkBack.



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

To set the font size:

1. From a Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **Font size**.
3. Touch a font size setting, such as Normal.

To set voice output settings:

1. From a Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **Text-to-speech output** and select the preferred TTS engine. For more information, refer to “*Speech*” on page 144.

To install accessibility scripts:

1. From a Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **Enhance web accessibility**.
3. Touch **Allow** to allow applications to install scripts from Google that make their Web content more accessible.



Hearing

When Mono audio is enabled, you can listen through one earphone to mono audio sound.

1. From a Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **Mono audio**.

When enabled, a check mark  appears in the check box.



To turn off all sounds including receiver voice:

1. From a Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **Turn off all sounds**.

When enabled, a check mark  appears in the check box.

Mobility

This option allows you to set the Tap and hold delay time.

1. From a Home screen, touch  **Apps** →  **Settings** → **Accessibility**.
2. Touch **Tap and hold delay**, and then touch a delay time.

Developer Options

Set options for application development.

1. From a Home screen, touch  **Apps** →  **Settings** → **Developer options**.
2. Touch the **OFF / ON** icon  at the top of the screen to activate developer options.

Caution! These settings are intended for development use only. They can cause errors to occur on your device and with the applications on your device.

The following options are available:



- **Desktop backup password:** Protect the desktop with a backup password ID.
- **Stay awake:** The display screen does not go into sleep mode while charging.
- **Protect SD card:** Requires apps to ask your permission before accessing data on your SD card.
- **USB debugging:** When enabled, allows debugging when the device is attached to a PC by a USB cable.
- **Allow Mock Locations:** Used by developers when developing location-based applications.

- **Select app to be debugged:** Allows developers to select a specific application to debug.
- **Wait for debugger:** Specified apps must have debugger attached before executing.
- **Show touches:** Displays touch interactions on the screen.
- **Show pointer location:** Highlights the data that was touched on the screen.
- **Show layout boundaries:** Displays clip bounds, margins, and so on.
- **Show GPU view updates:** Flashes views inside windows when drawn with GPU.
- **Show screen updates:** Areas of the screen flash when they update.
- **Window animation scale:** Configure the scale for animation (ranges from off to 10x).
- **Transition animation scale:** Configure the scale for transitioning when using animation (ranges from off to 10x).
- **Animator duration scale:** Configure the scale for duration when using animation (ranges from off to 10x).

- **Disable hardware overlays:** Assigns the work of rendering to the GPU.
- **Force GPU rendering:** Allows the use of 2D hardware accelerations in applications.
- **Strict mode:** Makes the screen flash when applications perform long operations on the main thread.
- **Show CPU usage:** Screen highlights the current CPU usage.
- **GPU rendering profile:** Uses a 2D acceleration in applications.
- **Enable traces:** Enables/disables on-screen tracing based on an available parameter.
- **Do not keep activities:** Destroys every activity as soon as the application is closed.
- **Limit background processes:** Sets the number of processes that can run in the background.
- **Show all ANRs:** Displays a prompt when applications running in the background are not responding.

About Device

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

1. From a Home screen, touch  **Apps** →  **Settings** → **About device**.
2. Touch items to view details:
 - **Software update:** Connect to the network and download new software. For more information, refer to “*Software Update*” on page 154.
 - **Status:** View Battery status, Battery level, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.
 - **Legal information:** Display **Open source licenses**, **Google legal**, and **License settings** information.

Tip: To find your device’s DivX[®] registration code and information about registering your device to play DivX protected video, touch **License settings** → **DivX[®] VOD**.



- **Model number:** Display your device's model number.
- **Android version:** Display the firmware version of your device.
- **Kernel version:** Display the kernel version of your device.
- **Build number:** Display your device's build number.

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 a Home screen, touch  **Apps** →  **Settings** → **About device** → **Software update**.
2. Touch **Update**.
3. Touch your country, if the correct country is not selected, and touch **OK**.

4. Touch **Terms and conditions** and **Privacy policy**, read the information, touch **I accept all the term above**, and touch **Confirm**.

Your device is connected to the server and a search is performed for a software update.

5. Touch **Auto update** to check for updates automatically.

Section 11: Health and Safety Information

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

Read this information before using your mobile device.

Exposure to Radio Frequency (RF) Signals

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

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

Do cell phones pose a health hazard?

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

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

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

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

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

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

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

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

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

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

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

Interphone Study

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

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a

slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at

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

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

International Cohort Study on Mobile Phone Users (COSMOS)

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

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

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

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

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

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

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

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

Cell Phone Industry Actions

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

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

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

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

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

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>.

- Environmental Protection Agency (EPA):
<http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/>.
(Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>.
- World Health Organization (WHO):
<http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>.
- Health Protection Agency:
<http://www.hpa.org.uk/Topics/Radiation/>.
- US Food and Drug Administration:
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>.

Specific Absorption Rate (SAR) Certification Information

Your wireless mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless devices to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the mobile device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the mobile device while operating can be well below the maximum reported value. This is because the mobile device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the mobile device.

Before a new model mobile device is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model mobile device are performed in positions and locations (e.g. near the body) as required by the FCC.

For typical operations, this mobile device has been tested and meets FCC SAR guidelines.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This [mobile phone/tablet/device] has a FCC ID number: **A3LGTP3113** [Model Number: GT-P3113] and the specific SAR levels for this [mobile phone/tablet/device] can be found at the following FCC website: <http://www.fcc.gov/oet/ea/>.

The SAR information for this device can also be found on Samsung's website: <http://www.samsung.com/sar>.

SAR information on this and other model mobile devices can be accessed online on the FCC's website through <http://transition.fcc.gov/oet/rfsafety/sar.html>. To find information that pertains to a particular model mobile device, this site uses the mobile device FCC ID number, which is usually printed somewhere on the case of the mobile device.

Once you have the FCC ID number for a particular mobile device, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular mobile device. Additional SAR information can also be

obtained at

<http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones>.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be

determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.
- **Do not dispose of the GALAXY or the battery in a fire.** The GALAXY or the battery may explode when overheated.
- **Avoid dropping the GALAXY.** Dropping the GALAXY, especially on a hard surface, can potentially cause damage to the GALAXY. If you suspect damage to the GALAXY or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your GALAXY.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard.

Samsung's warranty does not cover damage to the GALAXY caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible batteries and chargers.** Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible batteries and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

For more information about recycling your GALAXY, go to: <http://mobile.samsungusa.com/recycling/index.jsp> or call 1-800-822-8837 for more information.

To find the nearest recycling location, go to: www.samsung.com/recyclingdirect or call 1-877-278-0799.

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this mobile device has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

GPS

GALAXY can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over

time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Communication

GALAXY should not be relied upon for essential communications (medical emergencies, calls to 911, or communications to emergency services). GALAXY is not designed or intended to be used for such communications. Voice Over Internet Protocol (VOIP) services which may be used on GALAXY to make phone calls do not support 911 calls and are only intended for talking with friends.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits.

If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and Dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft

cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations.

Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to

permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices).

Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.

- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet:

<http://www.audiology.org/Pages/default.aspx>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:

<http://www.nidcd.nih.gov/>

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH

(1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:

<http://www.cdc.gov/niosh/topics/noise/default.html>

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;

- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

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. 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.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document 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 12: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG ELECTRONICS AMERICA, INC. (“SAMSUNG”) warrants that SAMSUNG’s devices and accessories (“Products”) are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Tablet	1 Year
Batteries (Including Internal Batteries)	1 Year
Case	90 Days
Other Tablet Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of Product by Purchaser.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG Tablet for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, without charge to Purchaser, or at SAMSUNG's sole option, refund the purchase price.

SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period

equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. This Limited Warranty is extended to the Purchaser and is not transferable or assignable to any other person or entity.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, Purchaser must return the Product to an authorized Tablet service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-800-SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

Purchaser should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY.

IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

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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 Electronics America, Inc.

85 Challenger Road

Ridgefield Park, New Jersey 07660

Phone: 1-800-SAMSUNG

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