i925

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

Understanding this User Manual

The sections of this manual generally follow the features of your device. A robust index for features begins on page 171.

Also included is important safety information beginning on page 139, 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 the Home screen. To get to the Home screen, you may need to unlock the device. For more information, see *"Securing Your Device"* on page 13.

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.

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.

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Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature or 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 to your attention important information to prevent loss of data or functionality, or even prevent 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 frequently-used steps:

➔ Arrows are used to represent the sequence of selecting successive options in procedures. For example:

"From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Wi-Fi**."

▭ Many settings use an On/Off switch. Touch the On/Off switch to turn a setting On or Off. This graphic is used to represent the On/Off switch.

Setting Up Your device

Install the 4G LTE SIM (Subscriber Identity Module) card, battery, and optional memory card, then charge the battery to begin using your device.

SIM Card

Your device uses a 4G LTE SIM (Subscriber Identity Module). The 4G LTE SIM is a small, rectangular plastic card that stores information about your wireless service.

The SIM card is installed under the back cover, and must remain in the device when in use.

If you purchased your device at a Verizon Wireless store, the SIM card is activated and ready to use. If you ordered a new device, the card may need to be activated before you can use it. For more information about activating the SIM card, visit: http://www.verizonwireless.com/4GSIM.

Caution! Turn the device off before installing or removing the SIM card. Do not bend or scratch the SIM card. Take care when handling, installing, or removing the SIM card, and avoid exposing the SIM card to static electricity, water, or dirt. Keep the SIM card out of reach of small children.

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Installing the 4G LTE SIM Card

1. Remove the back cover.

2. With the Verizon Wireless logo facing up, carefully insert the 4G LTE SIM Card into the slot, pressing gently until it locks into place.

3. Install the back cover.

Removing the 4G LTE SIM Card

1. Turn off the device, then remove the back cover.

2. Press the 4G LTE SIM Card in gently to release the lock, then carefully slide the 4G LTE SIM Card out of the slot.

3. Install the back cover.

Battery

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

The battery comes partially charged. You must fully charge the battery before using your device for the first time. A fully discharged battery requires up to 4 hours of charge time. After the first charge, you can use the device while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung 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 battery power level. Before the battery becomes too low to operate, the battery icon flashes and a tone plays. If you continue using the device without charging, the device will power off.

Tip: Task Manager provides helpful information about extending battery life. For more information, see *"Task Manager"* on page 12.

Charging the Battery

Your device comes with a Wall/USB Charger (Charging Head and USB cable) to charge your device from any 110/220 VAC outlet.

Note: The battery comes partially charged. You must fully charge the battery before using your device for the first time. A fully discharged battery requires up to 4 hours of charge time. After the first charge, you can use the device while charging.

  1. Insert the USB cable into the port.

  2. Connect the USB cable to the charging head.

  3. Plug the charging head into a standard AC power outlet.

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

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Turning the Device On and Off

Your Google Account

Your new device uses your Google account to fully utilize its Android features, including Gmail, Google Talk and the Play Store. When you turn on your device for the first time, set up a connection with your existing Google account, or create a new Google account.

To create a Google account, or set up your Google account on your device, use Accounts and sync settings (see *"Accounts"* on page 125).

Turning the Device On

- Press and hold the ▭ ⊙ **Power/Lock Key** until the device vibrates and starts up.

Turning the Device Off

1. Press and hold the ▭ ⊙ **Power/Lock Key** until the device vibrates, and the Device Options menu displays.

2. At the prompt, tap **Power off**.

Your Samsung Account

Create a Samsung account, for access to Samsung apps on your device, including Media Hub, Music Hub, and AllShare Play. For more information, see *"Accounts"* on page 125.

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Setup Wizard

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

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

You can also use the Setup Wizard to quickly configure your device at any time.

■ From the Home screen, touch ▦ **Apps** ➔
  ☑ **Setup Wizard**.

Help

Get information about using your device, including videos, useful tips, and other information.

■ From the Home screen, touch ▦ **Apps** ➔
  ? **Help**.

Roaming

When you travel outside your home network's coverage area, your device can use roaming to acquire service on other compatible digital networks. When roaming, the △ **Roaming** icon displays in the Status bar.

Tip: You can set your device's roaming behavior. For more information, see *"Mobile networks"* on page 97.

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when connecting to the Internet, or using data services. Contact Verizon Wireless for more information about your coverage area and service plan.

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Task Manager

Your device can run apps simultaneously, with some apps running in the background. Use Task Manager to see which apps are running on your device, and to end running apps to extend battery life. You can also uninstall apps from your device and check memory usage.

1. From any unlocked screen, press and hold the **Home Key**, then select **Task manager**.

2. Touch the **Active applications** tab to view apps running on your device. Touch **End**, or **End all** to close apps.

3. Touch the **Downloaded** tab to view information about apps you've installed on your device. Touch **Uninstall** to remove an app from your device.

4. Touch the **RAM** tab to display the amount of RAM (Random Access Memory) in use. Touch **Clear memory** to clear processes to increase available RAM.

5. Touch the **Storage** tab for internal system storage and SD card memory statistics.

6. Touch the **Help** tab to view information about managing RAM, and tips for extending battery life.

Tip: Touch and drag your finger on the tabs to scroll the tabs.

Memory Card

Your device supports optional, removable, microSD™ or microSDHC™ memory cards of up to 64GB capacity (not included), for storage of music, pictures, and other files.

For more information about using memory cards, see *"Memory Card"* on page 89.

Installing a Memory Card

1. Remove the back cover.

2. With the gold contacts facing down, slide the memory card into the slot, pushing gently until it locks into place.

3. Install the back cover.

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Removing a Memory Card

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

1. From the Home screen, touch ▭ **Menu**, then touch **Settings → Storage → Unmount SD card**.
2. At the prompt, read the warning and select **OK** to continue. Wait for the ▭ **SD card safe to remove** icon to appear in the Status bar and Notification panel.
3. Remove the back cover.
4. Gently press on the memory card to release the lock, then carefully pull the card out.
5. Install the back cover.

Securing Your Device

Use your device's screen lock features to secure your device.

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

To set a personal screen lock, use the Screen lock option under Security settings. For more information, see *"Screen lock"* on page 111.

For other settings related to securing your device, see *"Security"* on page 114.

Locking the Device

■ By default, the device locks automatically when the screen times out.

– or –

Press the ▭ **Power/Lock Key**.

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Unlocking the Device

Unlock the device using one of the default unlock screens, or
use Screen lock options for increased security.

■ Press the ⬛⬛⬛◦ **Power/Lock Key**, then touch and
   drag your finger across the screen.

Section 2: Understanding Your Device

Features

- 5.5-inch HD Super AMOLED™ touch screen, 16:9 aspect ratio
- CDMA 1X/EV-DO Rev-A /LTE Wireless Technology
- 1.6 GHz quad-core processor with 2GB RAM
- Android® 4.1, Jelly Bean
- SAFE®
- Create and collaborate with S-Pen
  - Precise and natural writing and drawing experience
  - Exclusive features - Easy Clip, Air View, Quick Command, Idea Sketch, and Photo Notes
  - Create original content and annotate documents
  - Store on the device, keep tabs with visual and audible alarms
- Multitask with Popup Note, Popup Video, and Popup Browser
- Keep in touch
  - SMS (Text) and MMS (Multimedia)
  - Voice
  - Email and Gmail
  - Chat
- Enjoy pictures, music and video
  - Discover new media with Media Hub and Music Hub
  - Gallery, Music player, and Video player
  - DivX Certified® to play DivX® video up to HD 720p, including premium content

- Connect to other devices
  - Wi-Fi 802.11 a/b/g/n
  - Wi-Fi Direct
  - Mobile Hotspot
  - DLNA
  - Bluetooth 4.0
  - USB 2.0 High-speed
  - Tethering
  - VPN
- Capture memories
  - 8 MP Camera and LED flash + 1.9 MP front-facing camera
  - Seamlessly share pictures via Share Shot to other devices
  - Capture rapid-fire still pictures with Burst Shot
  - Use Best Shot and Best Face to choose the best pictures
- Control your device with S Voice, for natural voice commands
- Share with friends
  - Specialized apps, including AllShare Play™ and Group Cast™
  - Integrated features, such as Share Shot in Camera
- Take your content with you
  - 16GB device memory (actual formatted capacity may vary)
  - Support for microSD™ and microSDHC™ memory cards up to 64GB capacity (not included)

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Front

- **Earpiece**: Plays sounds.
- **Light Sensor**: Detects ambient light when Automatic brightness is enabled, and when using the Front camera.
- **1.9 Megapixel Front Camera**: Captures pictures and video.
- **Menu**: Touch to display a context-sensitive menu of options for the current screen or feature. While using your device, you may notice that the Menu Key dims, but it is always available at a touch to provide a context-sensitive menu for the current screen or app (you can set the touch key light duration, see page 105).
- **Home**: Press to display the Home screen, or Lock screen if the device is locked. Press and hold to display recent applications or launch Task Manager. Press twice from an unlocked screen to launch S Voice.
- **Back**: Touch to return to the previous screen or option. While using your device, you may notice that the Back Key dims, but you can always use it to return to the previous item.

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Side

- **Volume**: From the Home screen, press to adjust master volume. During media playback, press to adjust volume.
- **Power/Lock**: Press and hold to turn the device on or off, and to access a device options menu. Press to lock the device, or to wake the screen for unlocking.

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- **8 MP Camera**: Use when taking photos or recording videos.
- **LED Flash**: Use when taking photos or recording video.
- **Microphones (top and bottom)**: Capture audio during recording.
- **3.5mm Headset Jack**: Plug in an optional headset or TTY equipment.
- **Speaker**: Play ringtones, music and media playback, and other sounds.
- **microUSB**: Connect a USB cable for charging or to sync music and files, or connect to optional accessories (not included).

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S-Pen

Create and collaborate with S Pen.

Removing S Pen

S Pen stores inside your device, for convenient access.

■ Slide S Pen from your device using the notch on the end of the S Pen.

S Pen Settings

Configure S Pen settings, including options for sounds and for tracking S Pen when it's not stored in your device.

For more information about S Pen, and to configure settings, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **S Pen**, or see *"S Pen"* on page 127.

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Easy Clip

Instantly outline and crop images on the screen, in any shape, to share or paste. You can edit the cropped content, or personalize it with your own handwriting.

To use Easy Clip:

1. Press and hold the S Pen button, then draw around the image you want to clip, making sure to close the shape.
2. Tap the app you want to paste the image into, or if you do nothing, the image is pasted to Clipboard.

Air View

Hover S Pen over the screen to preview content, or view information about an item on the screen. For example:

- Hover over an email in a list to preview the message before opening it.
- Hover over a photo album to preview the contents, or see a picture enlarged.
- Hover over the timeline during video playback to preview and navigate to specific scenes.
- In S Planner, hover over dates and events to see details
- Hover over an icon or screen button to view the item's title

For more information about Air View, and to configure settings, touch ▦ **Apps → ⚙ Settings → S Pen → Air View**, or see *"Air view"* on page 128.

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Quick Command

Multitask like never before. Launch Quick Command pad from any screen, to hand-write tasks. Use S Pen to draw a Quick Command to launch a feature, or draw a Quick Command followed by a keyword to personalize the command. For example, draw a question mark "?" to search the Internet, or draw a question mark followed by a search term to search on the term.

For more information about Quick Command, and to configure settings, touch ▦ **Apps → ◉ Settings → S Pen → Quick Command settings**, or see *"Quick Command settings"* on page 128.

To launch Quick Command:

■ Press and hold the S Pen button and swipe upwards on the screen.

Idea Sketch

Express your ideas with an image. Add illustrations by hand-writing keywords on the Idea Sketch pad.

To use Idea Sketch:

1. From the Home screen, touch ▦ **Apps → S S Note**.
2. From the toolbar, select the **Insert** tool, then choose **Idea Sketch** from the menu.
3. Write a search term for something you want to draw or insert into your S Note. Or, select **List** and choose a category.
4. S Note displays images matching your search term. Select an image to insert it into your S Note. You can edit the image, or draw on it, and changes are saved in the note.

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Photo Notes

Hand-write a note on the back of pictures to add detail to your memories.

To add a Photo Note:

1. From the Home screen, touch ▦ **Apps →** ▨ **Gallery**.

2. Select a picture, then select **Menu → Draw on image**.

3. Use S Pen to write a note on the back of the picture, then select **Done** to save the note with the picture.

Note: Photo notes are saved with the picture on your device, but are not transferred when you share the picture.

Popup Note

Multitask with Popup Note - open an S Note instantly in a popup window to jot down a quick note during a meeting, or write down information from another area of the screen.

To use Popup Note:

1. From any screen, press and hold the S Pen button and double-tap on the screen.

2. Use S Pen to write your note, then save it for later. You can move the popup window around the screen.

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Popup Video

Multitask with Popup Video - transform your video player into a popup window floating on the screen. The video will continue to play, and the popup window can be resized or moved anywhere on the screen.

To use Popup Video:

■ While watching a video, touch the 🔲 **Popup Video** icon in the lower right corner of the screen.

Popup Browser

Multitask with Popup Browser - Launch a new, floating browser window by selecting a web link from any application.

To launch Popup Browser:

■ In any app, touch a web link, then choose **Popup Browser** from the menu.

Other S Pen gestures

You can perform other functions with S Pen, for example:

- **Go back**: Press and hold the S Pen button, then draw ❮ on the screen.
- **Open menu**: Press and hold the S Pen button, then draw ⋀ on the screen.
- **Screen captur**e: Press and hold the S Pen button, then touch and hold S Pen on the screen.
- **Select text**: Press and hold the S Pen button, then touch and drag S Pen over the text to select

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Home Screen

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

- **Status Bar**: Presents icons to show network status, battery power, and connection details. For a list of icons, see *"Status Bar"* on page 28.
- **Shortcuts**: Shortcuts to apps. These shortcuts are found on the Home screen by default, and you can add more shortcuts to your favorite apps. For more information, see *"Shortcuts"* on page 32.
- **Widgets**: Apps that run on the Home screen. These widgets are found on the Home screen by default, and you can add your favorites. For more information, see *"Widgets"* on page 31.

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.

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Extended Home Screen

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

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

Customizing the Home Screen

Customize the Home screen to suit your preferences.

- **Add App Shortcuts**: For more information, see *"Shortcuts"* on page 32.
- **Add Widgets**: For more information, see *"Widgets"* on page 31.
- **Add Folders**: For more information, see *"Folders"* on page 32.
- **Change the Wallpaper**: For more information, see *"Wallpaper"* on page 33.
- **Display settings**: For more information, see *"Display"* on page 104.

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Adding and removing Home screen panels

Your device comes with 7 Home screen panels. You can customize the Home screen to include up to the seven default panels.

1. From the Home screen, touch ▭ **Menu**, then touch **Edit**.

2. Slide your finger across the screen to scroll the panels, and use these controls to configure panels:

   🗑 **Remove**: Touch and hold on a panel, then drag it to **Remove**.

   ➕ **Add**: Touch a previously-removed panel to add it, up to the default total of seven.

   ⬒ **Set as Home**: The panel set as Home will display when you press the ⬭ **Home Key**.

Tip: You can also "pinch" the Home screen to display Edit options.

Navigation

Navigate your device's features using the command keys and the touch screen.

Warning! 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, see *"Warranty Information"* on page 202.

Context-sensitive Menus

While using your device, context-sensitive menus offer options for the feature or screen.

To access context-sensitive menus:

- Touch ▤ **Menu**.
- Touch and hold on an item.

Finger Gestures

Touch

Touch items to select or launch them. For example:

- Touch the onscreen keyboard to enter characters or text.
- Touch an item to select it.
- Touch an app's icon to launch the application.

Touch and Hold

Activate items by a touch and hold gesture. 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

Swipe your finger across the screen. For example:

- Unlocking the screen
- Scrolling the Home screen or a menu
- Combine touch and hold with swipe to drag an item.

Pinch

Using two fingers, make a pinch motion on the screen. For example:

- Pinch in to zoom in on pictures or screens.
- Pinch out to zoom out on pictures or screens.

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Hand Gestures

Your device recognizes motion, to allow you to navigate and access features by moving the device in specific gestures.

To use gestures, enable the Motion settings. For more information, see *"Motion"* on page 126.

Tilt

Touch and hold with your thumbs on the screen, then tilt the device forward and back to zoom in or out.

• **Tilt to zoom**: When this setting is On, tilting the device while in Gallery or Internet causes the screen to zoom in or out.

Pan

Touch and hold on the screen, then move the device in a side-to-side motion.

• **Pan to move icon**: When this setting is On, moving the device in a panning motion (side-to-side) moves a highlighted icon to a new location on the Home screen.

• **Pan to browse images**: When this setting is On, moving the device in a panning motion while viewing an image moves focus around in the image.

Notifications

Notifications shows information about connections, alerts and other items.

1. Touch and drag downward from the top of the screen to display notifications.

2. Touch an item to open the item, or to launch the related app or feature.

World Clock

While displaying Notifications, touch the time in the Status bar to display a World clock. Add cities to the clock to display the time in different zones around the world.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display Notifications.

2. Touch a notification to clear it, or touch **Clear** to clear all notifications.

Settings

Use settings at the top of Notifications to control popular settings. Slide your finger right and left to see all the icons.

• **Bluetooth**: Turn Bluetooth On or Off. See *"Bluetooth"* on page 84.

- **GPS**: Turn Standalone GPS services on or off. See *"Standalone GPS services"* on page 110.

- **Sound**: Switch between your sound settings, Mute (all sounds silenced) and Vibrate (all sounds replaced by vibration).

- **Mobile data**: Activate or deactivate your device's access to mobile data service. See *"Mobile networks"* on page 97.

- **Screen rotation**: Enable or disable the Auto rotation setting, to control whether the screen automatically updates when you rotate the device. See *"Screen timeout"* on page 104.

- **Airplane mode**: Turn Airplane mode On or Off. See *"Airplane mode"* on page 91.

- **Power saving**: Enable or disable Power saving mode. See *"Power saving mode"* on page 107.

- **Driving mode**: Enable or disable Driving mode, to have notifications read out. See *"Text-to-speech output"* on page 123.

- **AllShare Cast**: Enable or disable AllShare Cast, for easy sharing with other devices. see *"AllShare Play"* on page 53.

- **Sync**: Enable or disable synchronization with your accounts.

Status Bar

The Status Bar shows network and battery status and other details, including these common icons.

Icon	Description
✈	**Airplane Mode Active**: All wireless communications are disabled. See *"Airplane mode"* on page 91.
⚟	**USB Connected**: The device is connected to a computer using a USB cable. For more information about transferring data between your device and a computer, see *"Transferring Data"* on page 88.
↓ₓ	**Mute**: Volume is muted.
🔋	**Battery Level**: Shown fully charged.
🔋	**Battery Charging**: Battery is charging.
🔋	**Device Power Critical**: Battery has very little power remaining. Charge immediately.
▦	**Missing SIM**: No SIM is installed.
⊘	**No Network**: No wireless network is available.

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3G connection: device is active on a 3G system. The arrows are colored when data is being transferred.

4G LTE Connection: device is active on a 4G LTE system. The arrows are colored when data is being transferred.

Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.

Signal Strength Roaming, Open: Current signal strength, when the device is roaming. The greater the number of bars, the stronger the signal.

Signal Strength Roaming, CDMA: Current signal strength, when the device is roaming on CDMA networks. The greater the number of bars, the stronger the signal.

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Wi-Fi Active: Wi-Fi is active, and connected to a Wi-Fi network. The greater the number of rays, the stronger the signal. The arrows are colored when data is being transferred. For more information about configuring Wi-Fi, see *"Wi-Fi"* on page 80.

Wi-Fi Action Needed: Action needed to connect to Wi-Fi network. For more information about configuring Wi-Fi, see *"Wi-Fi"* on page 80.

New Email Message: You have new email.

Download Successful: A file was downloaded successfully.

Update Available: An update is available for an installed app.

Update Successful: An update was installed for an app.

Alarm: An alarm is set.

Silent mode: All sounds except media and alarms are silenced, and Vibrate is not active.

| | **Vibrate**: All sounds except media and alarms are silenced, and vibration will play for new notifications. | | **Bluetooth Active**: Bluetooth is turned on. For more information, see *"Turning Bluetooth On or Off"* on page 85. |

| | **Music Playing**: Music is playing, but the app is in the background. You can control playback from Notifications, or from Music player. | | **Bluetooth Paired**: Your device is paired with another Bluetooth device. For more information, see *"Pairing with a Bluetooth Device"* on page 85. |

Music Paused: Music playback is paused. You can control playback from Notifications, or from Music player.

SD Card Ready: A memory card scan is underway, to prepare the card for use. For more information about using memory cards, see *"Memory Card"* on page 89.

SD Card Safe to Remove: A memory card was unmounted, and it is safe to uninstall it. For more information about using memory cards, see *"Memory Card"* on page 89.

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SD Card Removed: A memory card was uninstalled. For more information about using memory cards, see *"Memory Card"* on page 89.

Primary Shortcuts

Primary Shortcuts appear at the bottom of the display. You can edit the Primary Shortcuts, except for ⬛ **Apps**.

Editing the Primary Shortcuts

To add or remove shortcuts:

■ Touch and hold a shortcut, then drag it from the Primary Shortcuts to the Home screen, or from the Home screen to the Primary Shortcuts.

To remove shortcuts:

■ Touch and hold the shortcut until 🗑 **Remove** appears, then drag the shortcut to the **Remove** icon.

Widgets

Widgets are self-contained applications that you can place on the Home screen for quick access.

Adding Widgets to the Home screen

Adding widgets from the Home screen

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Home screen** menu.
2. Touch **Add to Home screen**, then select **Apps**.
3. Touch the **Widgets** tab, then touch a widget and follow the prompts to configure the widget and place it on the Home screen.

Adding Shortcuts from Widgets

1. Navigate to a Home screen panel.
2. Touch ⬛ **Apps**, then touch the **Widgets** tab.
3. Touch a widget, then follow the prompts to configure the widget and place it on the Home screen.

Removing Widgets

■ Touch and hold the widget until 🗑 **Delete** appears, then drag the widget to the **Delete** icon.

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Shortcuts

Use App shortcuts for quick access to applications from the Home screen. Your device comes with app shortcuts already placed on the Home screen, and you can add your favorites.

Adding Shortcuts to the Home Screen
Adding shortcuts from the Home screen

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Add to Home screen**, then touch **Apps**.
3. Touch an app, then follow the prompts to configure the shortcut and add it to the Home screen

Adding Shortcuts from Apps

1. Navigate to a Home screen panel.
2. Touch ▦ **Apps**.
3. Touch and hold on an app until it appears on the Home screen.

Removing Shortcuts

■ Touch and hold the shortcut until 🗑 **Remove** appears, then drag the shortcut to the Remove icon.

Folders

Place folders on the Home screen to organize items.

Adding Folders

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Home screen** menu
2. Select **Add to Home screen**, then touch **Folder**.
3. The folder displays on the Home screen. Touch the folder to name it.

Removing Folders

■ Touch and hold the folder until 🗑 **Remove** appears, then drag the folder to the Remove icon.

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Wallpaper

Choose a picture to display in the background of the Home screen. You can choose from pre-loaded wallpaper images, or select a picture you've taken with the Camera or downloaded.

1. From the Home screen, touch and hold on the screen to display the **Home screen** menu, then select **Home screen**, **Lock screen**, or **Home and lock screen**.

2. Choose a source:
   • **Gallery**: Choose a picture stored on your device or on an optional installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Done** to set the picture as wallpaper.
   • **Live wallpapers**: Choose from pre-loaded interactive moving wallpapers. Touch a wallpaper, then touch **Set wallpaper**.
   • **Wallpaper**: Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Note: You can also set Wallpaper in Settings. For more information, see *"Wallpaper"* on page 104.

Apps

Apps holds all applications installed on your device. Applications that you download and install are also added to Apps.

The Apps screen is like the Home screen, it consists of panels that extend beyond the display width to provide more space. Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the bottom of the display shows your current position.

For more information about applications, see *"Applications"* on page 68.

You can place shortcuts to apps on the Home screen, for quick access to the app. For more information, see *"Adding Shortcuts from Apps"* on page 32.

1. From the Home screen, touch ▦ **Apps**.

2. Slide your finger left or right to scroll the Apps screens.

3. Touch an icon to launch the application.

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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, Samsung keyboard and Google voice typing.

You can set a default text entry method in Settings. For more information, see *"Keyboards and input methods"* on page 118.

To choose a text input method at any time:

■ While entering text, touch and drag downward from the top of the screen to display Notifications, then touch **Select input method**.

Using Samsung Keyboard

The Samsung keyboard is a custom virtual QWERTY keyboard, featuring optional predictive text. Input characters by tapping 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 Samsung keyboard

Configure the Samsung keyboard to your preferences.

● For more information, see *"Samsung keyboard"* on page 119.

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

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

To enter common symbols, touch 123 Sym to switch to symbol mode, then touch the corresponding key.

To enter less-common symbols, touch 123 Sym ➔ 1/3 , then touch the corresponding key.

Enter numbers by touching 123 Sym , then touching the number keys.

Using Google Voice Typing from the Samsung keyboard

When you enable the Voice input setting for Samsung keyboard, you can access Google Voice Typing from the Samsung keyboard.

For more information about enabling Voice input, see *"Samsung keyboard"* on page 119.

- Touch 🎤 , then speak your input.

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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, to have the Voice Input appear on the keyboard. For more information, see *"Samsung keyboard"* on page 119.

■ While entering characters, potential word matches display in the Predictive text area above the keyboard. Touch a word to insert it into your text.

Using Google Voice Typing

Use your voice to enter text using the Google Voice typing feature.

1. While entering text, touch and drag downward from the top of the screen to display Notifications, then touch **Select input method → Google voice typing**.

2. At the **Listening** prompt, speak your text. As you speak, the text is displayed in the text field.

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Section 3: Contacts and Accounts

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.

Contacts from your accounts appear in your device's Contacts.

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

Setting Up Your Accounts

Set up and manage your accounts with the Accounts and sync settings.

For information about setting up other, non-synchronized email accounts, see *"Setting Up Email Accounts"* on page 47.

Tip: For more information on setting up your email, visit the Smartphone Resource Center at:
https://smartphones.verizonwireless.com

Adding an account

1. From the Home screen, touch ▭ **Menu**, then touch **Settings → Add account**.

2. Select an account provider, then follow the prompts to enter your credentials and sign in.

3. The device communicates with the provider's server to set up your account on the device.

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Managing accounts

1. From the Home screen, touch ▭ **Menu**, then touch **Settings → Accounts and sync**.

2. Select an account, then touch a setting to enable or disable synchronization. When enabled, a check mark appears in the check box.

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Contacts

Use Contacts to store information for your friends, family and colleagues, to make contacting them easy.

Creating Contacts

1. From the Home screen, touch 📇 **Contacts →** ➕ **Create contact**.

2. At the **Save contact to** prompt, select a save option for the contact (options depend on accounts set up):
   • **Device**: Save to the device's Contacts.
   • **Google**: Save to your Google account.
   • **Corporate**: Save to your Corporate account.

3. Touch contact fields to enter information:
   • Touch 📷 **Photo ID** to choose a picture to identify the contact.
   • Touch **Name** to enter a name for the contact. Touch ⌄ to enter **Name prefix**, **First name**, **Middle name**, **Last name,** or **Name suffix**.
   • Touch **Phone number** to enter a phone number, then touch the **Label** button to choose a label, from **Mobile**, **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Custom** or **Callback**. To add another number, touch ⊕.

- Touch **Groups** to assign the contact to a group. For more information about Groups, see *"Groups"* on page 44.
- Touch **Add another field** to add more fields, including **Phonetic Name**, **Organization**, **Email**, **IM**, **Address**, **Notes**, **Nickname**, **Website**, **Events**, or **Relationship**.

4. When you finish entering information, touch **Save**.

Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch **Contacts**.
2. Touch a contact to view its information, then touch **Edit**.

   – or –

   Touch and hold a contact, then select **Edit** from the menu.

3. Continue entering contact information. For more information, see *"Creating Contacts"* on page 38.

Choosing Contacts to Display

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Contacts to display**:
   - Choose **All contacts** to show all contacts.
   - Choose an account to only display contacts from that account.
   - Choose **Customized list** to select contact types to display.

Contacts Settings

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, then touch **Settings**:
   - Select **Only contacts with phones** to show contacts with at least one stored phone number.
   - Touch **List by** to sort contacts by first or last name.
   - Touch **Display contacts by** to list contacts by first or last name.
   - Touch **Send contact** to set your preference for transferring contacts by Bluetooth contacts. For more information about sending contacts, see *"Sending Namecards (vCards)"* on page 42.

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Other Contacts Options

1. From the Home screen, touch 🔲 **Contacts**.
2. Touch a contact to display it, then touch ▤ **Menu**:
   - **History**: View interactions with this contact.
   - **Edit**: Modify contact information. For more information, see *"Updating Contacts"* on page 39.
   - **Delete**: Erase the contact record.
   - **Join contact/Separate contact**: Manage multiple contacts as one. For information, see *"Joining Contacts"* on page 40.
   - **Mark as default**: Set a default phone number or other field (such as IM or email address). Defaults are the contact method used when referencing a contact. You can also set a default by touching and holding on a contact field.
   - **Share namecard via**: Send the namecard. For information, see *"Sending Namecards (vCards)"* on page 42.
   - **Print namecard**: Print the namecard via Bluetooth to a compatible Samsung Bluetooth-enabled printer.

My Local Profile

My local profile is your own contact record, listed under ME in Contacts. You can send My local profile as a vCard via Bluetooth or as an attachment.

Creating My Local Profile

1. From the Home screen, touch 🔲 **Contacts**.
2. Touch **Set up profile**, then enter your information in the contact fields. For more information, see *"Creating Contacts"* on page 38.

Sending My Local Profile

You can send your profile as a vCard via Bluetooth to other Bluetooth devices, or as an attachment.

1. From the Home screen, touch 🔲 **Contacts**.
2. Touch your profile to display your contact information.
3. Touch ▤ **Menu**, then touch **Share namecard via**.
4. Choose a sending method, then follow the prompts to send the profile.

Joining Contacts

Your device can synchronize with multiple accounts, including Google, Corporate, and other providers, plus social networking sites like Facebook. When you synchronize contacts from these accounts with your device, you may have multiple contacts for one person.

Joining contact records allows you to see all the contact's numbers and addresses together. Joining also helps you keep your contacts updated, because any changes to information in the respective accounts is automatically updated the next time you synchronize with the account.

Joining contacts

1. From the Home screen, touch **Contacts**.
2. Touch and hold on a contact, then select **Join contact**.
3. Select a contact to join to the selected contact.

Separating contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Under the **Connection** heading, icons show how many contacts are joined to this one. Touch the **Connection** field to display joined contacts.
4. Touch ⊖ next to a contact to remove it from the displayed contact.

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Exporting and Importing Contacts

You can export your contact list to and from USB storage (your device's memory), or an installed memory card. Contacts are exported and imported as a special VCF file, and contacts are sent as vCards.

1. From the Home screen, touch **🔲 Contacts**.

2. Touch ☰ **Menu**, then touch **Import/Export**.

3. Select an option, then follow the prompts to complete the operation:

   • **Import from USB storage**: Copy contacts that are saved in device memory.

   • **Export to USB storage**: Copy contacts to device memory.

   • **Import from SD card**: Copy contacts from an installed memory card.

   • **Export to SD card**: Copy contacts to an installed memory card.

   • **Send namecard via**: Share contacts as vCards. For more information, see *"Sending Namecards (vCards)"* on page 42.

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Sending Namecards (vCards)

You can send a contact namecard as a vCards via Bluetooth to other Bluetooth devices, or as an attachment via Gmail or Email.

Important! Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

---

1. From the Home screen, touch **🔲 Contacts**.

2. Touch ☰ **Menu**, then touch **Import/Export → Send namecard via**.

3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark appears in the check box for marked contacts.

4. Touch **Done**. At the prompt, choose a sending method, then follow the prompts to send the namecard:

   • **Bluetooth**: For more information about sending via Bluetooth, see *"Bluetooth"* on page 84.

   • **Email**: For more information about sending email, see *"Email"* on page 47.

- **Gmail**: For more information about sending Gmail, see *"Composing and Sending Gmail"* on page 50.
- **Wi-Fi Direct**: For more information about using Wi-Fi Direct, see see *"Wi-Fi Direct"* on page 82.

Backing Up Contacts

Use Backup Assistant Plus to save a copy of your Contacts to a secure web site.

For more information, see *"Backup Assistant+"* on page 72.

1. From the Home screen, touch 🔲 **Contacts**.
2. Touch 🔲 **Menu**, then touch **Backup**.
3. Follow the prompts to log in to your Backup Assistant account.

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Favorites

Mark contacts with a ⭐ star to identify them as Favorites. Favorites display on the Favorites tab in Contacts, and are indicated by the ⭐.

Creating Favorites

1. From the Home screen, touch 🔲 **Contacts**.

2. Touch and hold on a contact, then select **Add to favorites** from the pop-up menu.

   – or –

   Touch a contact to display it, then touch ⭐ at the top right of the screen.

Groups

Assign contacts to Groups to make searching for contacts faster. Your device comes with pre-loaded groups you can use to add your contacts, or you can create new groups.

Accessing Groups

■ From the Home screen, touch 🔲 **Contacts** ➔ 🔲 **Groups**.

Creating a New Group

1. From the Home screen, touch 🔲 **Contacts** ➔ 🔲 **Groups**.

2. Touch ▤ **Menu** ➔ **New**, then enter information:
   • Touch **Group name** to enter a Group Name.
   • Touch **Add member** to select members from Contacts.

3. Touch save to save the new group.

Editing a Group

1. From the Home screen, touch 🔲 **Contacts** ➔ 🔲 **Groups**.

2. Touch a Group to display it.

3. Touch ▤ **Menu** ➔ **Edit**, then update information for the group. For more information, see *"Creating a New Group"* on page 44.

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Deleting a Group

1. From the Home screen, touch 🧑 **Contacts** ➔ 🧑 **Groups**.
2. Touch ☰ **Menu**, then touch **Delete**.
3. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark appears in the check box. You cannot delete pre-loaded groups.
4. Touch **Delete**, then choose **Group only** or **Group and group members**.

Adding Contacts to a Group

1. From the Home screen, touch 🧑 **Contacts** ➔ 🧑 **Groups**.
2. Touch a **Group** to display it, then touch 👤 **Add member**.
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
4. Touch **Done** to add the selected contact(s).

Removing Contacts from a Group

1. From the Home screen, touch 🧑 **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it.
3. Touch ☰ **Menu**, then touch **Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
5. Touch **Done** to remove the selected contact(s).

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Sending an Email to Group Members

Create a new email message, addressed to the group's members.

1. From the Home screen, touch 🔲 **Contacts → Groups**.
2. Touch a **Group** to display it.
3. Touch 🔲 **Menu**, then touch **Send email**.
4. Touch contacts to mark them as recipients for the new message, then touch **Done**.
5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Composing and Sending Email"* on page 49.

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Section 4: Messaging

Types of Messages

Your device supports these types of messages:

- **Email**: Send and receive email from your email accounts, including Corporate mail.
- **Gmail**: Send and receive Gmail from your Google account.
- **Google Talk**: Chat with other Google Talk users.
- **Messenger**: Chat with other Google+ Messenger users.

Note: Messaging service availability depends on your network and service plan. Compatible Device required. Consult Verizon Wireless for more information.

Email

Send and receive email using popular email services.

Setting Up Email Accounts

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

1. From the Home screen, select ▦ **Apps** ➔ ◉ **Email**.
2. The first time you set up an email account, select your email provider.

   – or –

   For subsequent accounts, touch ▤ **Menu** ➔ **Settings** ➔ ＋ , then select your email provider.
3. Follow the prompts to set up your email account.

Note: For more information on setting up your email, visit the Smartphone Resource Center at: https://smartphones.verizonwireless.com

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Deleting Email Accounts

1. From the Home screen, select ⬚⬚⬚ **Apps** →
   💿 **Email**.

2. Touch ▤ **Menu** → **Settings** → 🗑 .

3. Select email account(s) for deletion, then touch
   DELETE.

Syncing Email Accounts

Syncing refreshes your device with the account's servers.
When you set up an email account, you can choose whether
the account syncs in the background, or manually.

■ From the Home screen, select ⬚⬚⬚ **Apps** →
   💿 **Email** → ⟳ **Sync**.

Email Settings

Use settings to configure handling of your email.

Note: Available settings depend on the email provider.

1. From the Home screen, select ⬚⬚⬚ **Apps** →
   💿 **Email**.

2. Touch ▤ **Menu** → **Settings** → **General preferences** for
   options:
   • **Display after deleting message**: Choose the screen to display
     after you delete a message.
   • **Message preview line**: Choose the number of lines of email
     text to display in the preview screen.
   • **Email title**: Choose how emails are titled in the preview screen.
   • **Confirm deletions**: When enabled, Email will prompt you to
     confirm when you delete messages.
   • **Quick responses**: View and manage text phrases that you can
     insert into emails.

3. Touch an account to configure specific settings.
   Available options depend on the account.

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Composing and Sending Email

1. From the Home screen, select ▦ **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, use these options:
   • Touch ▤ **Menu** for options. Available options depend on the type of email account.
   • Touch ⬚ **Attach** to add a file to the message. Available options depend on the type of email account.

5. Touch ✉ **Send** to send the message.

Gmail

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

■ From the Home screen, select ▦ **Apps →** ◉ **Gmail**.

Setting Up Your Gmail Account

The first time you launch Gmail, your device will prompt you to set up your Google account, if you haven't already set it up. If you set up your Google account on your device, Gmail is set up automatically

1. From the Home screen, select ▦ **Apps →** ◉ **Gmail**.

2. Follow the prompts to sign in, or create a new account.

3. The device communicates with the Google server to set up your account and synchronize your email.

Note: You can use more than one Google account on your device. To add another account, use the ▤ **Menu →** **Accounts** option.

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Refreshing Your Gmail Account

Syncing refreshes your device with the account's servers. When you set up an email account, you can choose whether the account syncs in the background, or manually.

■ From the Home screen, select ▦ **Apps** ➔ ◾ **Gmail** ➔ ◾ **Sync**.

Gmail Settings

Use settings to configure your Gmail preferences.

1. From the Home screen, select ▦ **Apps** ➔ ◾ **Gmail**.

2. Touch ▤ **Menu** ➔ **Settings** for options.

Composing and Sending Gmail

1. From the Home screen, select ▦ **Apps** ➔ ◾ **Gmail**.

2. Touch ◾ **Compose**, then touch fields to compose the message. While composing, touch ▤ **Menu** for options.

3. To send the message, touch ▷ **Send**.

Google Talk

Chat with other Google Talk users.

Note: Talk requires that you have a Google account set up on your device. For more information, see *"Setting Up Your Accounts"* on page 37. If you set up your Google account, you are automatically logged in.

■ From the Home screen, select ▦ **Apps** ➔ talk **Talk**.

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Section 5: Applications

Managing Applications

Apps displays all applications installed on your device, including apps you download and install.

You can change the way apps appear on the screen, uninstall apps you've downloaded, and share apps with friends. When you install new apps, new screens are added to hold them.

Tip: You can place shortcuts to apps on the Home screen, for quick access to the application. For more information, see *"Shortcuts"* on page 32.

Downloading and Installing Apps

Find new apps to download and install on your device:

- **Play Store**: For more information, see *"Play Store"* on page 74.
- **S Suggest**: For more information, see *"S Suggest"* on page 75.

Uninstalling Apps

You can uninstall apps you download and install. Pre-loaded apps cannot be uninstalled.

1. From the Home screen, touch ▦ **Apps**.
2. Touch ▤ **Menu → Uninstall**.
3. Apps that can be uninstalled show ● on their icon. Touch ●, then follow the prompts to uninstall the app. Pre-loaded apps cannot be uninstalled.

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Customizing the Apps Screens

Choosing a view

By default, app icons appear in Grid view. You can change the view to list view.

1. From the Home screen, touch ▦ **Apps.**
2. Touch ▤ **Menu**, then touch **View type**.
3. Choose an option:
   • **Customizable Grid**: The default view, which allows you to touch and hold on apps to move them from screen to screen.
   • **Alphabetical grid**: Icons are arranged in a grid, in A-Z order.
   • **Alphabetical list**: Icons display in a list, sorted from A-Z.

Apps screen options

1. From the Home screen, touch ▦ **Apps.**
2. Touch ▤ **Menu** for options:
   • **Play Store**: Launch Google™ Play Store, to browse for new apps to download.
   • **Edit**: Touch and hold an app icon for these options:
     – Drag it to a new location.
     – Drag it to ▢ to create a new folder to contain the icon.
     – Drag it to ▢ to create a new apps screen and place the icon on it.

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– Drag it to ▯ to launch Application manager to view information about the app. For more information, see *"Application manager"* on page 108.

– Drag to 🗑 (if available) to remove the icon. The trashcan is only available for apps you've installed. Pre-loaded apps cannot be removed.

• Create folder: Create a new folder to contain apps.

• **Uninstall**: Remove an app that you downloaded from your device. Preloaded apps cannot be uninstalled.

• **Downloaded applications**: Display all apps you've downloaded.

• **View type**: Configure the apps screen.

• **Share apps**: Select apps you've downloaded (not available for pre-loaded apps) to share via Bluetooth, Email, Gmail, Google+, S Note, or Wi-Fi Direct.

• **Hide applications/Show hidden applications**: Control whether app icons are visible in Apps. Hiding an icon does not remove the app from your device.

AllShare Play

Use AllShare Play to stream photos, music, and videos from web storage, or between your device and other DLNA (Digital Living Network Alliance) certified devices.

• Visit: www.allshareplay.com for more information.

• For more information about DLNA certified products, visit: www.dlna.org/home

You must be signed in to your Samsung account to use AllShare Play. For more information, see *"Your Samsung Account"* on page 10.

Note: AllShare Play uses Wi-Fi to communicate with other devices. Before launching AllShare Play, connect to the same Wi-Fi network as the device you want to stream with. For more information, see *"Wi-Fi"* on page 80.

1. From the Home screen, touch ▦ **Apps** ➔ **AllShare Play**.

2. The first time you launch AllShare Play, read the user agreement and follow the prompts to continue.

3. If you are not already signed in to your Samsung account, touch **Sign in** and follow the prompts.

4. Touch ▤ **Menu** for options:

   • **Registered Storage**: Add a Web storage location, required to use AllShare Play.

   • **Registered Devices**: Choose the source of streaming images and videos. Defaults to your device; use the main screen to add more external devices.

   • **Setting up web services**: Set up external Web services such as Facebook, Twitter, YouTube, etc.

   • **Auto Upload photos from mobile**: Set up automatic upload of images from your device to storage locations specified within the Web storage list.

   • **Video quality settings**: Configure video quality for streamed video content.

   • **Lock AllShare Play**: Restrict access to AllShare Play by requiring the Samsung account password. Touch **Locking AllShare Play** to enable or disable locking.

   • **Language**: Select a display language.

   • **About**: Display application information.

   • **Contact Us**: Contact the AllShare team via a email (if you have an email account set up on your device).

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Setting Up Web Storage

SugarSync is an optional Web storage service, offering up to 5GB of storage space, to store your files and share them in the "cloud".

Note: If you are using another Web storage service, log into that service first before using AllShare Play.

1. From the Home screen, touch ▦ **Apps** ➔ 🔲 **AllShare Play**.
2. Touch ➕, then touch media to share.
3. Sign in to your SugarSync account, or set up a new account by touching **Sign up** ➔ **SugarSync Sign Up**. Follow the prompts to complete sign-in.
4. After signing in, the Web storage icon or name appears in the Web storage area of the main screen.

Sharing Media with a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch AllShare on the target device (such as an Internet TV, Samsung Tablet, etc.).
2. From the Home screen, tap ▦ ➔ **AllShare Play** 🔲.
3. Select your device name from the **Devices** list.
4. Touch a category tab (Pictures, Music, Movies, Files, or Info), then select file(s).
   • Touch and hold to select multiple files.
   • Files in web storage show 🅽.
   • Selected files show a check-mark.
5. Touch 📲 to begin streaming the selected files.
6. On the target device, select Allow continue. While sharing, 🖳 displays in the Status bar to indicate your device is the media source.

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Amazon

Shop with Amazon.

■ From the Home screen, touch ▦ **Apps** ➔
  ⛟ **Amazon**.

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. At the prompt, enter your Amazon account credentials.

■ From the Home screen, touch ▦ **Apps** ➔
  Amazon Kindle.

Amazon MP3

Shop for music with Amazon.

■ From the Home screen, touch ▦ **Apps** ➔
  Amazon MP3.

Note: Airtime or download charges may apply when using Apps.

Audible

Download digital audio books and listen on your device.

■ From the Home screen, touch ▦ **Apps** ➔
  Audible.

Calculator

Use your device's Calculator to perform mathematical calculations.

■ From the Home screen, touch ▦ **Apps** ➔
  Calculator.

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Calendar

Record events and appointments to manage your schedule.

Tip: A Calendar widget is available in Widgets. For more information about placing widgets on the Home screen, see *"Widgets"* on page 31.

■ From the Home screen, touch ▦ **Apps** ➔ 🗓 **Calendar**.

Sending Events

Send events as vCalendar files to other Bluetooth devices, as message attachments, or via Wi-Fi Direct.

1. From the Home screen, touch ▦ **Apps** ➔ 🗓 **Calendar**.
2. Touch an event to display its details.
3. Touch ▤ **Menu**, then touch **Share via**, then follow the prompts to select a sharing method and share the event.

Camera

Use the Camera to take pictures and record video.

Sharing your photos and videos

Your device supports Share Shot, an exciting feature for sharing your photos and videos with your friends and family. Use Share Shot to automatically share your photos and videos with other Share Shot devices via Wi-Fi Direct.

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.

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Taking Pictures

1. From the Home screen, touch ▦ **Apps** ➔
   ◉ **Camera**.

Camera/
Camcorder

Capture

Gallery

Options

2. Using the display as a viewfinder, compose your
   picture by aiming the lens at the subject. You can
   rotate the device to any position, and the screen
   controls rotate to make taking pictures easy.

3. As you compose a picture, the Camera automatically
   focuses the shot (the focus bracket turns green), or:
   • Touch the screen to focus on the area you touched.
   • To zoom, touch the screen with two fingers and move your
     fingers together to zoom in, or apart to zoom out, or press the
     Volume Key.

• Configure other options. For more information, see *"Picture
  Options"* on page 57.

4. Touch **Capture** to take a picture.

Tip: After taking a picture, touch **Gallery** to view the picture in
Gallery. For more information, see *"Gallery"* on page 63.

Picture Options

1. From the Home screen, touch ▦ **Apps** ➔
   ◉ **Camera**.

2. Use these options to configure the camera:
   • 🙂 **Self portrait**: Switch between the back camera and the
     front camera, for self-portraits.
   • ⚡ **Flash**: Choose Off, On, or Auto flash.
   • ▣ **Shooting mode**: Choose an automatic shooting mode.
     Some modes are not available for Self-portraits.
   – **Single shot**: Take a single photo.
   – **Best photo**: Take 8 pictures automatically, then choose the
     best to save.
   – **Best face**: Take 5 pictures, then select the best image of each
     face, based on open eyes, smile, movement, etc.

- **Face detection**: While composing the picture, double-tap a subject's face to zoom in and focus on their face.
- **Panorama**: Touch the Camera button to take a picture, then use the on-screen guideline to move the viewfinder and take the next 7 shots automatically.
- **Share shot**: Share the pictures you take, with other devices via Wi-Fi Direct. For more information, see *"Using Share Shot"* on page 61.
- **HDR**: Take pictures in HDR (High Dynamic Range) mode to increase image detail.
- **Buddy photo share**: When you take a picture, the Camera recognizes faces from Contacts, so you can easily share the picture with your friends.
- **Beauty**: Adjust the contrast to create a smooth facial feature effect.
- **Smile shot**: Touch the Camera button to focus on the subject's face. If a smile is detected, the picture is taken automatically.
- **Low light**: Adjust exposure for low light conditions.
- ✳ **Effects**: Choose an effect to apply to pictures.
- ⚙ **Settings**

- **Edit shortcuts**: Choose shortcuts to appear on the toolbar. Touch and drag shortcuts between the toolbar and the list.
- **Burst shot**: When On, Camera takes multiple pictures each time you touch Capture.
- **Self-portrait**: When On, the Camera takes pictures with the front Camera.
- **Flash**: Choose the default flash mode.
- **Shooting mode**: Choose the default mode for taking pictures.
- **Effects**: Apply an effect to pictures.
- **Scene mode**: Choose a mode to match the kind of pictures you're taking.
- **Exposure value**: Set the default brightness level.
- **Focus mode**: Set the default focus mode.
- **Timer**: Set a delay to wait between touching the Camera button and taking a picture.
- **Resolution**: Choose a size for the image.
- **White balance**: Choose a setting for the light source.
- **ISO**: Choose a setting for imaging sensitivity.
- **Metering**: Select a method for measuring light.
- **Outdoor visibility**: Adjusts the screen for improved viewing outside.

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– **Auto contrast**: Allow automatic light/dark adjustment.
– **Guidelines**: Enable or disable an on-screen grid to aid in photo composition.
– **Anti-Shake**: When enabled, minimizes the effect of camera movement.
– **GPS Tag**: When On, GPS location information is saved in the picture's details.
– **Contextual filename**: When On, the location is included as part of the filename, if GPS Tag is On.
– **Take photos using voice**: When On, you can capture pictures by speaking words such as "Capture", "Shoot", "Smile", or "Cheese".
– **Save as flipped**: When On, pictures are saved as a mirror-image of the screen display.
– **Image quality**: Choose a quality level for pictures you take.
– **Storage**: If an optional memory card (not included) is installed, choose the default save location for new pictures to device memory or the memory card.
– **Reset**: Set all Camera settings to the defaults.

Recording Videos

Use the Camera to record video.

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.

1. From the Home screen, touch ▦ **Apps** ➔ 📷 **Camera** ➔ ◨ **Camera/Camcorder**.

Camera/Camcorder

Record

Gallery

Options

2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject. You can rotate the device to any position, and the screen controls rotate to make recording easy.

3. As you compose a shot, the Camera automatically focuses the shot (the focus bracket turns green), or you can:

   • Touch the screen to focus on the area you touched.

   • To zoom, touch the screen with two fingers and move your fingers together to zoom in, or apart to zoom out, or press the Volume Key.

   • Configure options. For more information, see *"Video Options"* on page 60.

4. To start recording, touch **Record**. During recording:

   • Touch to capture a still shot. This feature is not available when the Anti-shake option is enabled.

   • Touch the screen to focus on the area you touched.

   • Touch the **Stop** button.

Tip: After recording video, touch **Gallery** to review the video in Gallery. For more information, see *"Gallery"* on page 63.

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Video Options

Configure the camcorder.

1. From the Home screen, touch **Apps →** **Camera →** **Mode**.

2. Use these options to configure the camera:

   • **Self recording**: Record video with the front lens.

   • **Flash**: Choose Off or On.

   • **Recording mode**: Choose a recording mode, from:

   – **Normal**: Record a video of any length.

   – **Limit for MMS**: Restrict the length of the video so it can be sent as a message attachment.

   – **Slow motion/Fast motion**: Choose a frame speed.

   • **Effects**: Choose an effect to apply to videos.

   • **Settings**:

   – **Edit shortcuts**: Choose shortcuts to appear on the toolbar. Touch and drag shortcuts between the toolbar and the list.

   – **Self-recording**: When On, the Camera records with the front Camera.

   – **Flash**: Choose the default flash mode.

   – **Recording mode**: Choose the default recording mode.

   – **Effects**: Apply an effect to videos.

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– **Exposure value**: Set the default brightness level.

– **Timer**: Set a delay to wait between touching Record and starting recording.

– **Resolution**: Choose a size for the image.

– **White balance**: Choose a setting for the light source.

– **Outdoor visibility**: Adjusts the screen for improved viewing outside.

– **Guidelines**: Enable or disable an on-screen grid to aid in photo composition.

– **Anti-Shake**: When enabled, minimizes the effect of camera movement.

– **GPS Tag**: When On, GPS location information is saved in the video's details.

– **Contextual filename**: When On, the location is included as part of the filename, if GPS Tag is On.

– **Save as flipped**: When On, pictures are saved as a mirror-image of the screen display.

– **Video quality**: Choose a quality setting for videos.

– **Storage**: Choose the default save location for videos, if an optional memory card is installed.

– **Reset**: Set all settings to the defaults.

Sharing Pictures and Video

Using Share Shot

Set up a connection with other Wi-Fi Direct devices, then take pictures to share them in real-time.

1. Turn on Wi-Fi Direct. For more information, see *"Turning Wi-Fi Direct On or Off"* on page 82.

2. Enable Share Shot shooting mode in Camera:
   • From the Home screen, touch ▦ **Apps** ➔ ◉ **Camera**.
   • Touch ✿ **Settings** ➔ ▬ **Shooting mode** ➔ **Share shot**.
   • Touch ▦ , then select devices to share your pictures with.

3. Take photos. For more information, see *"Taking Pictures"* on page 57. The photos you take while in Share Shot mode are shared automatically with connected devices, and your device displays an alert in the Status bar and Notifications.

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Clock

The Clock application includes these features:

- **Alarm**: Create alarms to go off once, or to repeat.
- **World clock**: Display the time and date in any time zone.
- **Stopwatch**: Record lap times.
- **Timer**: Measure elapsed time.
- **Desk clock**: Display the date and time in large format, for easy viewing.

- From the Home screen, touch ▦ **Apps** ➔ ◷ **Clock**.

Color

Use Color for Facebook to instantly capture and share live video broadcasts and photos with friends on Facebook. With Color, you can share everyday moments LIVE, as they happen.

For more information about Color, visit: www.color.com

- From the Home screen, touch ▦ **Apps** ➔ ◉ **Color**.

Contacts

Use Contacts to store information for your friends, family and colleagues, to make contacting them easy.

For more information, see *"Contacts"* on page 38.

- From the Home screen, touch ▦ **Apps** ➔ 👤 **Contacts**.

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Downloads

View and manage files and other items you download to your device.

■ From the Home screen, touch ▦▦ **Apps** →
  ↓ **Downloads**.

Note: Applications you download in Google Play™ Store are managed in Play Store, and will not appear in Downloads.

Email

Send and receive email using popular email services.

For more information, see *"Email"* on page 47.

■ From the Home screen, select ▦▦ **Apps** →
  ◎ **Email**.

Gallery

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

1. From the Home screen, touch ▦▦ **Apps** →
   🖼 **Gallery**.

2. Use these options:

   • To zoom in, place two fingers on the screen and move them, closer together to zoom in or out, or apart to zoom out. You can also double-tap to zoom all the way in or out. Touch and drag your finger on the screen to move the picture around on the screen.

   • Touch ★ **Favorites** to mark the picture as a favorite.

   • Touch ◁ **Share via** to send the picture.

   • Touch 🗑 **Delete** to erase the picture.

   • Touch ▤ **Menu** for options:

   – **Slideshow**: Create a slideshow to view all pictures and videos.

   – **Face tag**: When enabled, identifies faces with a yellow box, so you can touch to add tag information.

   – **Tag buddy**: Turn automatic tags On or Off, and choose tags to add to pictures, from Weather, Location, Person, and/or Date.

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- **Add photo note**: Add a note to the "back" of a photo. Photo notes are saved to the pictures on your device, but are not included when you share the picture.
- **Copy to clipboard**: Create a copy, to paste into other apps.
- **Rotate left/Rotate right**: Change the picture's orientation.
- **Crop**: Change the picture's size.
- **Edit**: Launch Paper Artist to modify the picture.
- **Set as**: Assign the picture as a Contact photo, or as wallpaper.
- **Buddy photo share**: Send the picture to the people tagged in the picture.
- **Print**: Print the picture via Wi-Fi to a compatible Samsung printer.
- **Rename**: Change the picture's filename.
- **Scan for nearby devices**: Search for nearby Wi-Fi devices for sharing (available when Wi-Fi is turned On).
- **Details**: View information about the picture.

Setting a Picture as a Contact Photo

Set a picture as a contact's photo.

1. From the Home screen, touch ▦ **Apps→** ▨ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch ▤ **Menu → Set as → Contact photo**.
4. Select a contact, or create a new contact, with the selected picture as the contact's photo.

Setting a Picture as Wallpaper

Set a picture as the wallpaper for the Home and Lock screens.

1. From the Home screen, touch ▦ **Apps →** ▨ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch ▤ **Menu → Set as**.
4. Select an option, from Home and lock screens, Home screen wallpaper, or Lock screen wallpaper. Use the crop tool to edit the picture, then touch **Done**.

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Sharing pictures and video

You can share pictures and videos via Email, Bluetooth, or popular sharing services.

1. From the Home screen, touch ▦ **Apps** ➔ ▨ **Gallery**.

2. Touch an album to display thumbnails, then select items for sharing:

   • To select an entire album, touch ▤ **Menu** ➔ while viewing categories, then touch the category to select all pictures in the category.

   • To select multiple pictures or videos from a category, touch ▤ **Menu** while viewing the thumbnails. Touch thumbnails to mark them for sharing, then touch **Share**.

3. Touch an option, then follow the prompts.

Gmail

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

For more information, see *"Gmail"* on page 49.

■ From the Home screen, touch ▦ **Apps** ➔ ▧ **Gmail**.

Google

Use Google to search the Web.

1. From the Home screen, touch ▦ **Apps** ➔ ⑧ **Google Search**.

2. Enter search criteria. Search results display automatically. Touch a search result to display it in a browser window.

Tip: You can also access Google Search from the Google widget on the Home screen.

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Google+

Google+ makes messaging and sharing with your friends a lot easier. Set up Circles of friends, visit the Stream for updates from your Circles, use Messenger, or use Instant Upload to automatically upload photos and videos from your device to your private album on Google+.

For more information, visit: www.google.com/+

■ From the Home screen, touch ▦ **Apps** ➔ ⊞ **Google+**.

Group Cast

While viewing documents, pictures, videos, and music, you can share them in real-time with your friends.

Note: Target devices must be connected to the same Wi-Fi network as your device.

1. From the Home screen, touch ▦ **Apps** ➔ ⚎ **Group Cast**.
2. If you're not already connected to Wi-Fi, touch ◈ to access Wi-Fi settings.
3. Under **Start**, choose a media type to share, then follow the prompts to select media to share.
4. Enter a PIN code. Target devices will need to enter this PIN to join your Group Cast.
5. You can now interact with the screen on your device. Target devices will instantaneously display changes.

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Help

Get information about using your device, including videos, useful tips, and a user manual.

■ From the Home screen, touch �) **Help**.

– or –

From the Home screen, touch ▦ **Apps** ➔ 🔍 **Help**.

IMDB

Search for information, view, rate movies, TV titles, celebrities, actors, actresses, directors and other crew members.

■ From the Home screen, touch ▦ **Apps** ➔ **IMDb** **IMDB**.

Internet

Your device is equipped with a full HTML Browser, which allows you to access the internet.

■ From the Home screen, touch 🌐 **Internet**.

– or –

From the Home screen, touch ▦ **Apps** ➔ 🌐 **Internet**.

Kies Air

It's time to share wirelessly. Kies Air makes it easy to manage content saved on your device via your desktop or mobile browser using Wi-Fi technology. Without any need for cables, you can easily play and transfer media files, manage data, and more.

For more information, visit: www.samsung.com/us/kies

■ From the Home screen, touch ▦ **Apps** ➔ **Kies Air**.

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Latitude

Use Google Latitude to locate your friends on a map, and share or hide your location.

■ From the Home screen, touch ▦ **Apps** →
  ⬛ **Latitude**.

Local

Google Places is now Google Local, to use your location to help you find destinations, such as restaurants, bars, hotels, attractions, ATMs and gas stations, or you can enter a location.

Note: You must enable location services to use Local, and some features require Standalone or Google location services. For more information, see *"Location services"* on page 121.

■ From the Home screen, touch ▦ **Apps** → 🔴 **Local**.

Maps

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

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. For more information, see *"Location services"* on page 109.

■ From the Home screen, touch ▦ **Apps** →
  🗺 **Maps**.

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Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. Preview, rent, or buy blockbuster hits as well as classic movies and TV shows.

For more information, visit:
http://www.samsung.com/us/mediahub/

Note: Renting or purchasing content in Media Hub requires a Samsung account.

1. From the Home screen, select ▦ **Apps** ➔ 🅜 **Media Hub**.
2. Browse content, then follow the prompts to buy or rent. You must have a Samsung account to rent or buy media.

Messenger

Google+ Messenger lets you chat and coordinate with any of your friends, all at the same time.

For more information, visit: www.google.com/+

■ From the Home screen, touch ▦ **Apps** ➔ 🗔 **Messenger**.

Mobile Hotspot

Use Mobile Hotspot to share your device's mobile internet connection with up to 10 devices, using your device as the mobile hotspot.

For more information, see *"Mobile Hotspot"* on page 83.

■ From the Home screen, touch ▦ **Apps** ➔ 🔘 **Mobile Hotspot**.

Music Hub

Music Hub is all the music you want in one integrated mobile and web service. Upload your music collection to the cloud, and access our entire catalog of millions of songs. Enjoy personal and genre radio and discover new music every day with customized recommendations.

For more information, visit: www.musichub.com

■ From the Home screen, touch ▦ **Apps** ➔ 🔘 **Music Hub**.

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Music Player

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

1. From the Home screen, select ▦ **Apps** → ⏵ **Music Player**.

2. Music Player scans for songs stored in device memory, or on an optional installed memory card (not included), and displays your songs on the **All**, **Playlists**, **Albums**, **Artists**, **Music Square**, **Folders**, and **Backup+ Music** tabs.

3. Touch a song to begin playback. During playback, use the sound and playlist controls:

   • ◀) **Volume**: Touch to activate on-screen volume control, then touch and drag on the scale to set volume, or press the Volume Key on the side of the device to adjust playback volume. If you have motion settings turned on, place the device screen-down to mute playback.

   • ⤫ **Shuffle**: When enabled, songs play in random order. When disabled, songs play in the order they appear in List view.

   • <u>A</u>, **Repeat**: Touch to repeat the current song, repeat all songs, or disable repeat mode.

• ≡♩ **List** / ⏵ **Now Playing**: Touch **List** to switch to a list view of songs. Touch **Now Playing** to display the current song title and details.

• Touch ⠿ to choose an effect for music playback.

• 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.

Creating a Playlist

1. From the Home screen, select ▦ **Apps** → ⏵ **Music Player** → **Playlists**.

2. Touch ▤ **Menu** → **Create Playlist**, then enter a name for the playlist.

3. Touch **OK**, then touch Add music to choose music for the playlist.

Adding a song to a playlist

1. From the Home screen, select ▦ **Apps →**
   ⊙ **Music Player**.
2. Touch and hold on a song, then choose **Add to playlist** from the pop-up menu.
3. Touch a playlist to add the selected song to it, or touch **Create new playlist** to create a new playlist and add the selected song to it.

Adding multiple songs to a playlist

1. From the Home screen, select ▦ **Apps →**
   ⊙ **Music Player**.
2. Touch ▤ **Menu → Add to playlist**.
3. Touch songs to select them, or touch **Select all**, then touch **Done**.
4. Select a playlist, or touch **Create new playlist** to create a new playlist.

Setting a Song as a Ringtone

You can set a song as an alarm tone.

1. From the Home screen, select ▦ **Apps →**
   ⊙ **Music Player**.
2. Touch and hold on a song, then touch **Set as** and choose from these options:
   • **Alarm tone**: Set the song as the alarm ringtone for a new alarm, or for an existing alarm.

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My Files

Find, view and manage files stored on an installed memory card. If the file is associated with an application on your device, you can launch the file in the application.

1. From the Home screen, touch ▦ **Apps** ➔
   🖼 **My Files**.
2. Tap a folder and swipe your finger on the screen to browse files.
3. Touch a file to open it (if the file is associated with an application).
4. While browsing files, use these controls:
   • Touch ⬆ **Up** to go back up to a higher directory.
   • Touch 🏠 **Home** to go back to the root directory.
   • Touch ▤ **Menu** for options.

My Verizon Mobile

View details and manage your Verizon Wireless account.

Note: No airtime or minute charges apply when accessing My Verizon Mobile.

■ From the Home screen, touch ▦ **Apps** ➔
   📱 **My Verizon Mobile**.

Navigation

Use Google Navigation to search for locations, and get turn-by-turn directions.

Note: You must enable location services to use Navigation, and some features require Standalone or Google location services. For more information, see *"Location services"* on page 109.

■ From the Home screen, touch ▦ **Apps** ➔
   Navigation.

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NFL Mobile

Play the popular game on your device.

■ From the Home screen, touch ▦ **Apps** ➔
  NFL Mobile.

Paper Artist

Create your own artwork, or import a picture from Gallery to
add special touches.

■ From the Home screen, touch ▦ **Apps** ➔
  Paper Artist.

Play Books

Google Books is now Google Play™ Books. Discovering your
favorite books and authors has never been easier. With
Google Play Books, you can shop the world's largest
selection of ebooks and read them anywhere you like - on a
tablet, phone, ereader, or the Web. You'll need to have a
Google account set up on your device to download books.

■ From the Home screen, touch ▦ **Apps** ➔
  Play Books.

Play Magazines

Subscribe to your favorite magazines, and have them
available to ready on your device any time, in any place.

■ From the Home screen, touch ▦ **Apps** ➔
  Play Magazines.

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Play Movies & TV

With Google Play™ Movies & TV, you can rent thousands of different movies, to watch instantly, or download for offline viewing later. You'll need to have a Google account set up on your device to download movies.

■ From the Home screen, touch ▦ **Apps** ➔ ▣ **Play Movies & TV**.

Play Music

With Google Play™ Music, you can play music you've downloaded, and music you copied from your computer. You'll need to have a Google account set up on your device to download music.

■ From the Home screen, touch ▦ **Apps** ➔ ▣ **Play Music**.

Play Store

Android Market is now Google Play™ Store, where all your favorite books, movies, apps, and games are all in one place that's accessible from the Web and your Android device. You'll need to have a Google account set up on your device to download a new application.

■ From the Home screen, select ▦ **Apps** ➔ ▣ **Play Store**.

Polaris Office

Manage Microsoft Office documents, and PDF files, online or offline.

■ From the Home screen, touch ▦ **Apps** ➔ ▣ **Polaris Office**.

S Note

Record ideas instantly and freely with memos containing text, pictures, handwritten notes or drawings, and voice recordings.

■ From the Home screen, select ▦ **Apps** ➔ ⬛ **S Note**.

Tip: Touch ▤ **Menu** ➔ **Tutorial** to learn more about S Note.

S Suggest

S Suggest presents recommendations for popular applications you can install on your device.

■ From the Home screen, select ▦ **Apps** ➔ ⬛ **S Suggest**.

S Voice

Use S Voice to speak commands to perform operations on your device, and to speak criteria for searches and other operations. Just speak naturally, and S Voice understands what you're looking for. use the power of S Voice to find everything from directions to trivia answers to the current weather forecast.

1. From the Home screen, select ▦ **Apps** ➔ ⬤ **S Voice**.
2. Say "Hi Galaxy", or touch ⬤🎤 to wake up S Voice, then speak a command or question. Touch ❓ for a list of commands, then touch a command to see examples.
3. Touch ▤ **Menu** ➔ **Settings** to configure settings to your preferences.

Tip: You can launch S Voice from most unlocked screens by pressing the ⬡ **Home Key** twice.

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Settings

Configure your device to your preferences.

For more information, see *"Settings"* on page 91.

■ From the Home screen, touch ⊞ **Apps →**
⚙ **Settings**.

Setup Wizard

Use the Setup wizard to quickly configure your device.

■ From the Home screen, touch ⊞ **Apps →**
☑ **Setup wizard**.

Talk

Chat with other Google Talk users.

Note: Talk requires a Google account. For more information, see *"Setting Up Your Accounts"* on page 37. When you set up your Google account on your device, you are automatically logged in.

■ From the Home screen, select ⊞ **Apps →** talk **Talk**.

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Video Player

Use Video Player to view and manage videos stored on an installed memory card, or shop for new videos.

1. From the Home screen, touch ▦ **Apps** ➔ ▶ **Video player**.

2. Video Player scans for videos stored in device memory, or on an optional installed memory card, and displays your videos on the **Thumbnails**, **List**, and **Folders** tabs.

3. Touch a video to play it.

4. During playback, use these controls (you may need to touch the screen to display the controls):

    • ↗ **Popup Video**: Touch to display the video in a window that floats on the Home screen, so you can multitask while watching the video.

    • ↗ **Screen capture**: Touch to capture a still from the video.

    • ◀) **Volume**: Touch to activate on-screen volume control, then touch and drag on the scale to set volume, or press the Volume Key on the side of the device to adjust playback volume. If you have motion settings turned On and the Turn over to mute/pause setting enabled, turn the device screen-down to mute playback.

    • ⬚ **Full screen**: Switch to viewing the video in full screen mode, to use the entire display.

    • 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.

5. While playing a video, touch ▭ **Menu** for options.

Viewdini

Viewdini is an innovative video discovery portal that makes it simple to search, browse, and access movies, television shows, and free web video on mobile devices.

For more information, visit http://mobile.vzw.com/viewdini

■ From the Home screen, touch ▦ **Apps** ➔ **Viewdini**.

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Voice Recorder

Record your voice or other sounds, and share recordings via Bluetooth, or Gmail.

■ From the Home screen, touch ▦ **Apps** ➔
   Voice Recorder.

Voice Search

Search the Web by speaking your search criteria.

■ From the Home screen, touch ▦ **Apps** ➔
   Voice Search.

VPN Client

Easily configure connections to a VPN (Virtual Private Network).

■ From the Home screen, touch ▦ **Apps** ➔
   VPN Client.

VZ Navigator

Use VZ Navigator® to find, share and navigate to millions of locations, avoid traffic and drive or walk with ease.

Note: VZ Navigator requires service activation. Contact Verizon Wireless for more information.

■ From the Home screen, touch ▦ **Apps** ➔
   VZ Navigator.
   – or –

   From a Home screen, touch the **VZ Navigator** shortcut.

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YouTube

View and upload YouTube videos, right from your device.

■ From the Home screen, select ▦ **Apps ➔**
   ▶ **YouTube**.

Zappos

Shop with Zappos.

■ From the Home screen, select ▦ **Apps ➔**
   Zappos.

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Section 6: Connections

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wi-Fi network. Wi-Fi networks can be Open (unsecured), or Secured (requiring you to provide login credentials).

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

Configuring Wi-Fi Settings

Configure your device's Wi-Fi settings. For more information, see

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 nearby available Wi-Fi networks.

Tip: When you turn Wi-Fi service on, your device automatically searches for available networks and displays them.

You can also turn Wi-Fi On or Off from Settings.

1. From the Home screen, sweep your finger downward to display Notifications.

2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

   – or –

   Touch **Wireless network available** to launch Wi-Fi settings, then touch **Wi-Fi** .

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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.

1. From the Home screen, sweep your finger downward to display Notifications.

2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

   – or –

   Touch **Wireless network available** to launch Wi-Fi settings, then touch **Wi-Fi** `OFF ON`.

3. When your device completes a scan, touch a Wi-Fi network to connect. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, sweep your finger downward to display Notifications.

2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

   – or –

   Touch **Wireless network available** to launch Wi-Fi settings, then touch **Wi-Fi** `OFF ON`.

3. On the pop-up Wi-Fi settings screen, touch **Add Network** (below the scanned networks), then enter these fields:

   • **Network Name (SSID)**: Enter the name of the Wi-Fi network.

   • **Security**: Select the type of security used by the Wi-Fi network.

   • **Password**: If the network is secured, enter the password.

4. Touch **Connect** to save the settings and connect to the network now, or **Save** to save the network settings for future use.

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Wi-Fi Direct

Wi-Fi Direct is a standard that allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. This type of connection is commonly called peer-to-peer.

For example, your device can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices. Many of the apps on your device provide options for sharing via Wi-Fi Direct under ▤ **Menu**.

Turning Wi-Fi Direct On or Off

1. From the Home screen, touch ▤ **Menu**, then select **Settings → More settings**.
2. Touch **Wi-Fi Direct** to turn Wi-Fi Direct On or Off.

Connecting to Wi-Fi Direct Devices

1. First, enable Wi-Fi Direct on your device. From the Home screen, touch ▤ **Menu**, then select **Settings → More settings**, then touch **Wi-Fi Direct** .
2. Enable Wi-Fi Direct on the other device(s). Consult the other device's documentation for more information.
3. On your device, touch **Wi-Fi Direct** to scan for the other device(s).
4. In the scanned list, touch a device to connect with it, or touch **Multi-connect** to connect to multiple devices (not all devices support multi-connect).
5. Follow the prompts on both devices to complete the connection.

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Mobile Hotspot

Use Mobile Hotspot to share your device's internet connection with a PC or other device through Wi-Fi, using your device as the mobile hotspot.

Note: Mobile Hotspot may require a subscription to Mobile Hotspot/Mobile Broadband Connect service. Contact Verizon Wireless for more information.

Mobile Hotspot consumes battery power and uses data service. While the Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data allowance.

Configuring Mobile Hotspot Settings

Configure your device's Mobile Hotspot settings, including your device's name and password, and set the visibility of your device's Wi-Fi hotspot.

For more information, see *"Configuring Mobile Hotspot"* on page 98.

Turning Mobile Hotspot On or Off

Activate your device's Mobile Hotspot application to allow other devices to use your device's internet connection.

1. From the Home screen, select 🔲 **Apps ➔** 🔲 **Mobile Hotspot**.
2. Touch **Mobile Hotspot** 🔲 to turn the hotspot On or Off.

Tip: By default, your device's mobile hotspot has no security applied, and any device can connect. For more information about configuring your mobile hotspot, see *"Configuring Mobile Hotspot"* on page 98.

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Connecting a Device via Mobile Hotspot

Use the other device's Wi-Fi control to connect to your device's Mobile Hotspot.

1. Turn on Mobile Hotspot on your device. For more information, see *"Turning Mobile Hotspot On or Off"* on page 83.

2. Activate Wi-Fi on the device, using the device's Wi-Fi control.

3. Scan for Wi-Fi hotspots, and select your device from the list. To find your device's name, see *"Configuring Mobile Hotspot"* on page 98.

4. At the prompt, enter your device's Mobile Hotspot password. By default, the password is your device's telephone number. For more information, see *"Configuring Mobile Hotspot"* on page 98.

Bluetooth

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

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

Configuring Bluetooth Settings

Configure your device's Bluetooth settings. For more information, see *"Bluetooth settings"* on page 95.

Note: Bluetooth profiles are specifications for services supported by individual devices. For a list of profiles your device supports, see *"Bluetooth profiles"* on page 94.

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Turning Bluetooth On or Off

1. From the Home screen, touch ▤ **Menu**, then select **Settings**.

2. Touch **Bluetooth** [ON/OFF toggle] to turn Bluetooth On or Off.

Tip: You can also turn Bluetooth On or Off on Notifications. From almost any unlocked screen, sweep your finger down from the Status bar to display Notifications.

Pairing with a Bluetooth Device

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

After pairing, your device and the target device will recognize each other and exchange information without a passcode or PIN.

Note: When paired, the ≫ **Bluetooth paired** icon displays in the Status Bar. If you receive a new request for pairing while paired with a Bluetooth Headset, a new Bluetooth icon displays at the left of the Status bar and Notifications displays the pairing request.

1. From the Home screen, touch ▤ **Menu**, then select **Settings → Bluetooth**.

2. Touch **Bluetooth** [ON/OFF toggle] to turn Bluetooth On.

3. Activate the target device's discoverable mode.

4. Touch **Scan**.

5. From the list of scanned 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 will attempt to pair with the device automatically. Follow the prompts on your device and the target device to complete the pairing.

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VPN

You can use your device's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

Configure your device's VPN settings. For more information, see *"Nearby devices"* on page 100.

Note: You must enable at least Pattern security before setting up a VPN. If you have not yet enabled security, you'll be prompted to do so the first time you launch VPN settings.

Adding a VPN

1. From the Home screen, touch ▣ **Menu**, then select **Settings → More settings → VPN**.

2. Touch **Add VPN network** to set up a connection to a VPN. Available settings depend on the type of VPN.

Tethering

Use Tethering to share your device's internet connection with a computer that connects to your device via USB cable, or by Bluetooth.

Note: Touch **Help** under Tethering settings to view information about tethering, and for links to more information.

USB tethering

Use USB tethering to share your device's network connection with a computer that connects to your device via USB cable.

1. From the Home screen, touch ▣ **Menu**, then select **Settings → More settings → Tethering**.

2. Connect the other device to your device via USB cable.

3. Touch **USB tethering** to turn tethering On or Off.

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Bluetooth tethering

Before starting, pair your computer with your device, then configure your computer to obtain its network connection via Bluetooth.

1. From the Home screen, touch ▭ **Menu**, then select **Settings → More settings → Tethering**.
2. Connect the other device to your device via USB cable.
3. Touch **Bluetooth tethering** to turn tethering On or Off.

Important! Tethering consumes battery power and increases your data usage. Roaming while using tethering will incur extra data charges.

Nearby devices

Share files with nearby devices using DLNA (Digital Living Network Alliance) standards, over Wi-Fi.

To share with nearby devices, you must connect to a Wi-Fi network. The devices you wish to share files with must also be connected to the same Wi-Fi network and must support DLNA.

Important! Use care when enabling file sharing for nearby devices. When enabled, other devices can access data on your device.

Turning File sharing On or Off

1. From the Home screen, touch ▭ **Menu**, then select **Settings → More settings → Nearby Devices**.
2. Touch **File sharing** to turn sharing On or Off.

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Configuring File Sharing

1. From the Home screen, touch ▭ **Menu**, then select **Settings ➔ More settings ➔ Nearby Devices**.

2. Under **Advanced**, touch options to control how content is shared from your device:

   • **Shared contents**: Choose the type of content to share, from **Videos**, **Photos**, or **Music**.

   • **Device name**: View or modify your device's name.

   • **Access control**: Choose whether other devices access your content, from **Allow all** or **Only allowed devices**.

   • **Allowed devices list**: View and manage devices allowed to connect to your device.

   • **Not-allowed devices list**: View and manage devices restricted from connecting to your device.

   • **Download to**: Choose a location to save downloaded content, from USB storage (device memory) or SD card.

   • **Upload from other devices**: Choose how to handle incoming files from other devices, from **Always accept**, **Always ask**, or **Always reject**.

Connecting to a Computer

Connect your device to a computer to transfer data between your device and the computer. Use the USB cable that comes with your device, or use one of the pre-loaded apps on your device to connect wirelessly.

Transferring Data

Connect your device to a computer, via USB cable, to transfer data as a Media device using MTP (Media Transfer Protocol), or as a Camera using PTP (Photo Transfer Protocol).

1. Attach your device to the computer with a USB data cable. Your device recognizes the connection as the last connection method you used, and displays a connection alert in the Status bar and Notifications.

2. From the Home screen, sweep your finger downward to display Notifications, then touch the alert.

3. Select a connection method:

   • **Media device (MTP)**: Transfer media files with Windows, or using Android file transfer on a Mac (see www.android.com/filetransfer).

   • **Camera (PTP)**: Transfer photos using camera software, and transfer files to computers that do not support MTP.

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4. On your computer, choose a method for accessing your device. Available options depend on the programs installed on your computer.

5. Transfer files to the memory card. When finished, you can disconnect the USB cable.

Kies air

Manage content saved on your device via your desktop or mobile browser using Wi-Fi technology. The pre-loaded Kies air app connects via Wi-Fi to the Kies application, which you can install on your computer.

For more information, visit: www. samsung.com/us/kies

Note: To sync your device to a PC, it is highly recommended that you install Samsung Kies, which is available at http://www.samsung.com/kies (for Windows/Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Memory Card

Your device supports removable microSD™ or microSDHC™ memory cards of up to 64GB capacity, for storage of music, pictures, videos, and other files.

By default, files that you download, or that you create with your device, such as pictures and videos you capture with Camera, are stored to your device's memory. For more storage capacity, you can set the memory card as the primary storage location for apps with the app's options.

For more information about viewing memory usage for the memory card, see *"SD card"* on page 107.

Installing and Removing a Memory Card

For more information about installing and removing a memory card, see *"Memory Card"* on page 12.

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

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Mounting and Unmounting a Memory Card

Mounting a memory card establishes the connection between your device and the card, to prepare for saving files to the memory card. In most cases, the device mounts the card automatically when you install it, and displays the memory card status on Notifications.

Before removing the card, use the Mount/Unmount setting to unmount, it to prevent damage to data stored on the card.

1. From the Home screen, touch [≡] **Menu**, then select **Settings → Storage**.

2. Touch **Unmount SD card**, then follow the prompts.

Formatting a Memory Card

Use the Format SD card setting to remove all data from an installed memory card.

Important! Data cannot be recovered after formatting.

1. From the Home screen, touch [≡] **Menu**, then select **Settings → Storage**.

2. Touch **Format SD card**, then follow the prompts to confirm the deletion of data from the card.

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Section 7: Settings

Accessing Settings

From the Home screen

■ Touch ▦ **Apps → ⚙ Settings**.

– or –

Touch ▤ **Menu**, then select **Settings**.

From Notifications

■ Touch and drag down from the top of the screen to display notifications, then touch ⚙.

Wireless and networks

Airplane mode

When airplane mode is enabled, all your device's wireless connections are disabled, and you cannot connect to networks. While in airplane mode, you can use other features of your device, such as playing music, watching videos, or other applications.

1. From the Home screen, touch ▦ **Apps → ⚙ Settings**.

2. Touch **Airplane mode** to enable or disable airplane mode.

Note: Airplane mode can also be controlled from Notifications, and from Device options when you press and hold the ⬤ **Power/Lock Key**.

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Device

Wi-Fi

Set up and manage your device's connections to Wi-Fi networks.

For more information about using Wi-Fi, see *"Wi-Fi"* on page 80.

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 Wi-Fi networks.

Tip: You can also turn Wi-Fi On or Off from Notifications.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings**.
2. Touch **Wi-Fi** [OFF ON] to turn Wi-Fi On or Off.

Wi-Fi Settings

Set up and manage wireless access points.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **Wi-Fi**.
2. Touch **Wi-Fi** [OFF ON] to turn Wi-Fi On. Wi-Fi must be turned on to configure settings.
3. Touch settings to configure:
   • **Notify me**: When enabled, your device notifies you of Wi-Fi networks when you launch a high data-usage application.
   • **Add Wi-Fi Network**: Connect to a new Wi-Fi network. For more information, see *"Adding a Wi-Fi Network Manually"* on page 81.
   • **Scan**: Search for available Wi-Fi networks.
   • **Wi-Fi Direct**: Configure Wi-Fi Direct.

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Other Wi-Fi settings

1. From the Home screen, touch ▦ **Apps** ➔
   ○ **Settings** ➔ **Wi-Fi**.
2. Touch ☰ **Menu** for additional settings:
   - **Advanced:**
     – **Auto-connect**: When enabled, your device will automatically connect to known Wi-Fi networks when you launch a high data-usage application, even if Wi-Fi is turned off. A known Wi-Fi network is one that you previously added.
     – **Keep Wi-Fi on during sleep**: Specify when to switch from Wi-Fi to mobile data for data communications, when the device goes to sleep (when the backlight goes out). This setting can affect your data usage, and the behavior of devices you connect to your device, such as when tethering or using Mobile Hotspot.
     – **Check for Internet service**: When enabled, your device will check for Wi-Fi Internet service when connected to a Wi-Fi access point.
     – **MAC address**: (Not configurable) View your device's MAC address, needed for connecting to some secured networks.
     – **IP address**: (Not configurable) View your device's IP address.

- **Manage networks**: View and manage your saved Wi-Fi networks. Touch a network to connect to it, or to forget or modify its settings.
- **WPS push button**: Set up a connection to a WPS (Wi-Fi Protected Setup) router or equipment.
- **WPS PIN entry**: View the PIN used by your device to set up a PIN-secured connection to a Wi-Fi router.

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Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. For example, your device can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices.

For more information, see *"Wi-Fi Direct"* on page 82.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Wi-Fi.**

2. Touch **Wi-Fi Direct** at the bottom of the screen. Your device automatically scans for nearby Wi-Fi Direct devices, or you can touch **Scan** to start scanning.

3. After scanning for devices, select a device, then follow the prompts to complete the connection.
   – or –

   Touch **Multi-connect** to create a connection to devices that support multi-connect. Touch **Scan** to search for available multi-connect devices, then select the devices and follow the prompts to complete the connection.

Bluetooth

Your device supports Bluetooth® 4.0.

Bluetooth profiles

Bluetooth profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your device supports these Bluetooth profiles:

• **Headset**: HSP v1.2 profile supports use of compatible Bluetooth headsets for mono voice.

• **Handsfree**: HFP v1.5 profile supports Bluetooth headsets, and may also support other compatible Bluetooth devices with speakerphone capabilities.

• **Serial Port**: SPP profile supports connections as a serial port.

• **Stereo**: A2DP v1.2, AVRCP v1.3, GAVDP 1.0, AVCTP 1.3 and AVDTP 1.2 profiles support delivery of stereo audio to compatible Bluetooth devices.

• **Object Exchange**: OPP v1.0 profile allows sending and receiving of contact name cards (vCard 2.1) and calendar events (vCalendar) between devices. PBAP v1.2 supports exchange of Phone Book Objects.

- **Human Interface Devices**: HID v1.0 profile supports certain interface devices.

- **Personal Area Network**: PAN 1.0 supports exchange of data with other devices.

Note: This device does not support all Bluetooth profiles.

For vehicle/accessory compatibility, visit www.verizonwireless.com/bluetoothchart.

Turning Bluetooth On or Off

1. From the Home screen, touch ▦ **Apps** → ⚙ **Settings**.
2. Touch **Bluetooth** to turn Bluetooth On or Off.

Tip: You can also turn Bluetooth On or Off at Notifications.

Bluetooth settings

Pair with other Bluetooth devices, manage your Bluetooth connections, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access Bluetooth settings.

1. From the Home screen, touch ▦ **Apps** → ⚙ **Settings → Bluetooth**.
2. Touch a setting to configure Bluetooth:
   - Touch to turn Bluetooth On or Off.
   - Touch your device's name to control its visibility to other devices' Bluetooth searches. Available when Bluetooth is turned On.
   - Touch a paired device to connect to it, or touch ⚙ beside the device to change its settings.
   - Touch **Scan** to search for visible Bluetooth devices. After searching, touch a device to pair with it. For more information, see *"Pairing with a Bluetooth Device"* on page 85.

Data usage

Monitor data usage, control your device's connection to mobile data service.

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Note: Data usage is measured by your device, and your service provider may account for usage differently, so consider using a conservative limit.

1. From the Home screen, touch ▦ **Apps →** ⚙ **Settings → Data usage**.

2. Configure options:

   • **Mobile data**: Turn Mobile data On or Off. You can also control Mobile Data at Notifications.

   • **Limit mobile data usage**: When enabled, your mobile data connection will be disabled when the specified limit is reached. After enabling the setting, drag the red limit line on the graph below to set the data usage limit.

   • **Alert me about data usage**: When enabled, your device will alert you when mobile data usage reaches the warning limit you set. After enabling the setting, drag the orange warning line on the graph below to set the data usage warning limit.

Data usage options

1. From the Home screen, touch ▦ **Apps →** ⚙ **Settings → Data usage**.

2. Touch ▤ **Menu** to set options:

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• **Data roaming**: Turn data roaming On or Off. When roaming, your device connects to networks outside your home network, depending on your provider's agreements with other providers. Using data while roaming can incur extra charges, depending on your plan. For more information, contact Verizon Wireless.

• **Restrict background data**: Your device can connect to the network in the background, for synchronization or other services. When enabled, background connections will not occur.

• **Auto sync data**: When enabled, your device will synchronize with accounts automatically, at any time.

• **Show Wi-Fi usage**: When turned On, a separate tab displays data usage while connected to Wi-Fi.

• **Mobile hotspots**: Select Wi-Fi networks that are mobile hotspots. You can restrict apps from using these networks, and you can configure apps to warn you before using these networks for large downloads.

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More Wireless and Networks Settings

Mobile networks

Set options for network selection and data service.

Important! Depending on your service plan, changes you make to mobile networks settings may incur extra charges. Consult Verizon Wireless for information.

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1. From the Home screen, touch ▦ **Apps** → ⚙ **Settings** → **More settings** → **Mobile networks**.

2. Set these options:
   • **Mobile data**: Enable or disable your device's connection to the mobile data network. You can also control this setting at Notifications with the Mobile data toggle.
   • **Global Data Roaming Access**: Enable or disable connection to data services when your device is roaming on another network.
   • **Roaming**: (Not configurable) Current roaming status.
   • **Signal strength**: (Not configurable) Current signal strength.
   • **Network mode**: Choose a preferred network mode.
   • **Access Point Names**: Configure wireless network access.
   • **Network operators**: Configure network operators.

Mobile Hotspot

Use Mobile Hotspot to share your device's internet connection with up to 5 other devices, through Wi-Fi.

You can control whether devices connect to your Mobile Hotspot with the Allowed device list.

For more information about using your device as a mobile hotspot, see *"Mobile Hotspot"* on page 83. You can also access Mobile Hotspot with the 📶 **Mobile Hotspot** app.

Note: Mobile Hotspot may require a subscription to Mobile Hotspot/Mobile Broadband Connect service. For more information, contact Verizon Wireless.

Using your device as a mobile hotspot consumes battery power and uses data service. While Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data service. Roaming while using your device as a mobile hotspot will incur extra data charges.

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Turning Mobile Hotspot On or Off

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings**.
2. Touch **Mobile Hotspot** [ON/OFF] to turn Mobile Hotspot On or Off.

Note: Using your device as a mobile hotspot consumes battery power and uses data service. While Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data service. Roaming while using your device as a mobile hotspot will incur extra data charges.

Configuring Mobile Hotspot

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Mobile Hotspot**.
2. Touch **Configure** for these options:
   • **Network SSID**: View and change the name of your mobile hotspot.
   • **Hide my device**: When enabled, your mobile hotspot is not visible to other Wi-Fi devices during a scan. Other devices can still connect to your mobile hotspot, but will have to set up the connection manually with your Network SSID and Password.
   • **Security**: Choose the security level for your Mobile Hotspot.
   • **Password**: If you choose a security level that uses a password, enter the password. By default, the password is your mobile telephone number.
   • **Show password**: Enable to make the Password field visible.
   • **Show advanced options**: Enable to access advanced options, including Broadcast channel, to specify the channel your device uses for Mobile Hotspot.

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Allowed Devices

Control whether devices connect to your Mobile Hotspot with the Allowed devices list. After you add devices to the list, they can scan for your device and connect using your device's mobile hotspot name and password.

Note: Using your device as a mobile hotspot consumes battery power and uses data service. While Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data service. Roaming while using your device as a mobile hotspot will incur extra data charges.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Mobile Hotspot** ➔ **Allowed devices**.
2. Touch ➕, then enter the other device's Device name and MAC address.
3. Touch ⟨ OK ⟩ to add the device to the **Allowed devices** list.

Tip: For information about connecting to your Mobile Hotspot, see *"Connecting a Device via Mobile Hotspot"* on page 84.

Tethering

Use Tethering to share your device's internet connection with a computer that connects to your device via USB cable.

For more information about connecting computers to your device via Tethering, see *"Tethering"* on page 86.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **Tethering**.
2. Connect the computer to the device via USB cable.
3. Choose **Mobile Broadband Connect** to turn tethering On or Off.

Note: Using tethering requires a subscription to Mobile Hotspot/Mobile Broadband Connect service. For more information, contact Verizon Wireless.

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VPN

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see *"VPN"* on page 86.

Note: You must enable screen security before setting up a VPN. For information about screen security, see *"Screen lock"* on page 111.

Adding a VPN

1. From the Home screen, touch ▦ **Apps →** ◉ **Settings → More settings → VPN**.
2. Touch **Add VPN network** to set up a connection to a VPN, using the following settings:
   • **Name**: Enter a name for the VPN connection.
   • **Type**: Choose the type of VPN.
   • **Server address**: Enter the IP address of the VPN server.
   • **PPP encryption (MPPE)**: Touch to enable or disable encryption.
   • **Show advanced options**: Touch to show more options. Available options depend on the type of VPN you are adding.

Nearby devices

Share files with devices using DLNA (Digital Living Network Alliance) standards, over Wi-Fi.

To Nearby devices, you must connect to the same Wi-Fi network as the devices you which to share with, and the other devices must support DLNA.

For more information about connecting to Wi-Fi, see *"Wi-Fi"* on page 92.

Important! Use care when enabling file sharing for devices. When enabled, other devices can access data on your device.

1. From the Home screen, touch ▦ **Apps →** ◉ **Settings → More settings → Nearby devices**.
2. Touch **File sharing** to enable or disable file sharing.
3. Under **Advanced**, touch options to control how content is shared from your device:
   • **Shared contents**: Choose the type of content to share, from **Videos**, **Photos**, or **Music**.
   • **Device name**: View or modify your device's name.

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- **Allowed devices list**: View and manage devices allowed to connect to your device.
- **Not-allowed devices list**: View and manage devices restricted from connecting to your device.
- **Download to**: Choose a location to save downloaded content, from USB storage (device memory) or optional installed SD card (not included).
- **Upload from other devices**: Choose how to handle incoming files from other devices, from **Always accept**, **Always ask**, or **Always reject**.

AllShare Cast

With AllShare Cast, you can wirelessly share your device's screen with Wi-Fi-enabled TVs using the optional AllShare Cast Hub accessory (not included).

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **AllShare Cast**.
2. Touch **AllShare Cast** to turn the feature On or Off.

Note: For information about connecting to a device, touch **Help**.

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Sound

Volume

Set the system volume level, and set default volume for notifications and media playback.

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

---

1. From the Home screen, touch ▦ **Apps** ➔
    ⚙ **Settings** ➔ **Sound** ➔ **Volume**.

2. Touch and drag the sliders for:
    • **Music, video, games, and other media**: Set the default volume level for audio playback. You can also adjust volume from this default inside the apps.
    • **Notifications**: Set the volume for notifications, such as event reminders.
    • **System**: Set the volume for all other system sounds, such as keytones played for screen touches. You can control whether tones play for screen touches with other sound settings.

3. Touch ⟨ OK ⟩ to save your settings.

Vibration intensity

Set the level for vibration to accompany notifications.

1. From the Home screen, touch ▦ **Apps** ➔
    ⚙ **Settings** ➔ **Sound** ➔ **Vibration intensity**.

2. Touch and drag the sliders for:
    • **Notification**: Set the vibration level for notifications, such as event reminders.
    • **Haptic feedback**: Set the vibration level vibrations to accompany screen touches.

3. Touch ⟨ OK ⟩ to save your settings.

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Default notifications

Choose a default sound to play for notifications, such as for event reminders.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Sound** → **Default notifications**.

2. Touch a sound to select it. As you touch sounds, a sample plays.

3. Touch [OK] to save your settings.

Tip: You can also set songs as ringtones. For more information, see *"Setting a Song as a Ringtone"* on page 71.

Keytones

Keytones are sounds that play when you touch keys on the keypad.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Sound**.

2. Touch **Keytones** to turn key sounds On or Off.

Touch sounds

Touch sounds play when you touch items on the screen, such as when making a selection.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Sound**.

2. Touch **Touch sounds** to turn sounds On or Off.

Screen lock sound

Screen lock sound plays when you lock or unlock the screen.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Sound**.

2. Touch **Screen lock sounds** to turn sounds On or Off.

Haptic feedback

When turned On, the device vibrates to indicate screen touches and other interactions.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Sound**.

2. Touch **Haptic feedback** to turn touch vibrations On or Off.

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Display

Wallpaper

Customize the background of the Home and Lock screens.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings→ Wallpaper**.

2. Select a screen, from **Home screen**, **Lock screen**, or
   Home and lock screens.

3. Select a source for wallpaper, from **Gallery**, **Live
   wallpaper**, or **Wallpapers**.

4. Follow the prompts to set the picture or wallpaper.

Note: You can also set Wallpaper by touching and holding on
the Home screen.

Screen mode

Choose a screen mode to match your type of viewing.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Display**.

2. Touch Screen mode, then select a mode.

Brightness

Set the default screen brightness.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Display → Brightness**.

2. Drag the slider to set the brightness, or touch
   Automatic brightness to allow the device to adjust
   brightness in response to light conditions.

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 the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Display → Screen timeout**.

2. Touch a setting to select it.

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Smart rotation

When enabled, your device automatically adjusts or disables automatic screen rotation to allow for the position of your face and the device.

1. From the Home screen, touch ▦ **Apps →**
   ⊙ Settings → Display.
2. Touch **Smart rotation** to enable or disable the setting.

Smart stay

When enabled, your device automatically disables the screen timeout to keep the screen on as long as you are looking at it.

1. From the Home screen, touch ▦ **Apps →**
   ⊙ Settings → Display.
2. Touch **Smart stay** to enable or disable the setting.

Font style

Set the font for screen displays.

1. From the Home screen, touch ▦ **Apps →**
   ⊙ Settings → Display → Font style.
2. Select a font, or touch **Get fonts online** to browse and download a new font.

Font size

Set the font size for screen displays.

1. From the Home screen, touch ▦ **Apps →**
   ⊙ Settings → Display → Font size.
2. Select a font size.

Touch key light duration

Set the length of time the Menu and Back Keys remain lit after you touch them.

1. From the Home screen, touch ▦ **Apps →**
   ⊙ Settings → Display → Touch key light duration.
2. Choose a time period, or **Always off** or **Always on**.

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Display battery percentage

When On, the battery's charge level displays in the Status bar next to the Battery icon.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Display**.
2. Touch **Display battery percentage** to turn the setting On or Off.

Auto adjust screen tone

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

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Display**.
2. Touch **Auto adjust screen tone** to turn the feature On or Off.

Storage

Manage the use of memory resources in your device's Device memory, and on an installed memory card.

Device memory

View usage for your device's internal memory.

Note: This setting cannot be configured.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Storage**.
2. Under **Device memory**, view memory usage for various categories. Touch a category for more information.

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SD card

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Storage**.

2. Under **SD card**, view memory usage for various categories. Touch a category for more information.

3. Touch **Unmount SD card** to prepare the memory card for safe removal or formatting. For more information, see *"Removing a Memory Card"* on page 13.

4. Touch **Format SD card** to permanently remove all content from an installed memory card.

Backup Assistant Plus

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Storage**.

2. Under **Backup Assistant Plus**, view usage for your Backup Assistant Plus account.

Power saving mode

Configure Power saving mode settings to conserve battery power.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Power saving**.

2. Touch **Power saving** [OFF ON] to turn the setting On or Off. The setting must be On to configure options.

3. Touch **Power saving mode** to configure options:

   • **CPU power saving**: When enabled, the device's maximum performance is limited. This does not affect normal usage, such as browsing and video playback.

   • **Screen power saving**: When enabled, the screen uses reduced frame refresh rate and lower brightness.

   • **Background color**: When enabled, the background uses lower brightness in Email and Internet.

   • **Turn off Haptic feedback**: When enabled, Haptic feedback is turned off, and no vibration plays when you touch the screen.

   • **Learn about power saving**: View details about Power saving options.

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Battery

See what's using battery power.

1. From the Home screen, touch ▦ **Apps ➔**
    ⚙ **Settings ➔ Battery**.
2. View battery usage for applications and services currently running. Touch an item for more information, or to configure options for managing power use.

Application manager

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

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.

1. From the Home screen, touch ▦ **Apps ➔**
    ⚙ **Settings ➔ Application manager**.
2. Touch **Downloaded**, **Running**, or **All** to view the status of applications and services. Touch an app or service for more information, and for app options, such as stopping or uninstalling.

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Personal

Location services

Location services control your device's use of GPS signals. Some apps may require one or more location services be turned On for full app functionality.

GPS signals may be affected by your surroundings, including:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

Important! Verizon Wireless values your privacy. Because of this, your device is defaulted to only acquire your location when you dial 911. To use Location-Based Services, you must first enable location services on your device.

VZW location services

Enable or disable location service from Verizon Wireless.

Note: VZW location services must be enabled to use some applications.

Important! By selecting VZW location services, you are enabling Verizon Wireless and third-party authenticated and validated location services to access certain location information available through this device and/or the network.

1. From the Home screen, touch ▦ **Apps** ➔
   Settings ➔ **Location services**.
2. Touch **VZW location services** to enable or disable Verizon Wireless location services.

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Standalone GPS services

Enable or disable location service from GPS satellites.

Note: Standalone location services must be enabled to use some applications. You can also enable or disable Standalone GPS services with the GPS setting on Notifications. For more information, refer to *"Notifications"* on page 27.

Important! By selecting Standalone GPS services, you are allowing access to all location information by any third party through web access or any software or peripheral components you choose to install, download, add, or attach to the device or any other means. Enabling this functionality could pose certain risks to users of this device.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **Location services**.
2. Touch **Standalone GPS services** to enable or disable Standalone GPS services.

Google location services

Enable or disable location services from Google location services.

Note: Google location services must be enabled to use some applications.

Important! By selecting Google location services, you are allowing Google's location service to collect anonymous location data. Some data may be stored on your device. Collection may occur even when no apps are running.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **Location services**.
2. Touch **Google location services** to enable or disable Google location services.

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Lock screen

Choose settings for unlocking your device.

For more information about using the lock and unlock features, see *"Securing Your Device"* on page 13.

Screen lock

1. From the Home screen, touch ▦▦▦ **Apps** ➔
   ⚙ **Settings** ➔ **Lock screen**.

2. Touch **Screen lock** for settings:
   • **Swipe**: When enabled, you unlock the device by swiping your finger across the screen. This is the default screen lock, and offers no security, but you can set special lock screen options; see *"Lock screen"* on page 111.
   • **Motion**: When enabled, you unlock the device by touching and holding on the screen and tilting the device forward. Touch the option for more information and a demonstration of the motion. This screen lock offers no security, but you can set special lock screen options; see *"Lock screen"* on page 111.
   • **Face unlock**: When enabled, you unlock the device by looking at the screen. This option offers low security, because someone who looks similar to you could unlock your device. Touch the option for more information, and to set up Face unlock.

• **Face and voice**: When enabled, you unlock the device by looking at the screen and speaking. This option offers low security, because someone who looks and/or sounds similar to you could unlock your device. Touch the option for more information, and to set up Face and voice unlock.
• **Pattern**: When enabled, you draw a pattern, which you create, on the screen to unlock the device. Touch the option, then follow the prompts to create or change your screen unlock pattern.
• **PIN**: When enabled, you enter a numeric PIN (Personal Identification Number), which you create, to unlock the device. with PIN screen lock, you can also set the With swipe lock and Lock screen options.
• **Password**: When enabled, you enter an alphanumeric password, which you create, to unlock the device.
• **None**: Disable all custom screen lock settings, to use the default swipe unlock screen.

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With swipe lock

When you have Face, Face and voice, Pattern, PIN, or Password screen locks enabled, you may choose to have your device prompt you to swipe the screen before attempting to unlock the screen.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Lock screen**.
2. Touch **With swipe lock** to enable or disable the option.

Lock screen options

When the Screen lock is set to Swipe or Motion, or you have the With swipe lock option enabled, you can set special options for the lock screen.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Lock screen** ➔ **Lock screen options**.
2. Configure these options:
   • **Shortcuts**: Touch ▭ to control display of app shortcuts at the bottom of the lock screen. Touch **Shortcuts** to choose shortcuts to display: touch and drag a shortcut to a new position, or to the trash can to remove it, and touch **+** to select a new shortcut.
   • **Information ticker**: Set news, stock, or Facebook to display on a ticker on the lock screen.

• **Clock**: When enabled, the lock screen displays a digital clock.
• **Dual clock**: Touch ▭ to control display of a dual clock to show the time in two zones when you're traveling. Touch **Dual clock** to set a home city. When you have location services turned on while traveling, the dual clock will display the time in your home city and current location.
• **Weather**: Touch to control display of the current location's weather on the lock screen.
• **Ripple effect**: When enabled, a ripple effect shows on the lock screen when you touch the screen. If you choose a live wallpaper for the lock screen, ripple effect is disabled.
• **Ink effect**: When enabled, an ink effect shows on the lock screen when you touch the screen. If you choose a live wallpaper for the lock screen, the ripple effect is disabled.
• **Help text**: Touch the check box to control display of tips as you use the lock screen.
• **Camera quick access**: Touch ▭ to control access to the camera from the lock screen using a motion gesture. When enabled, touch and hold on the lock screen, then rotate the device to landscape orientation to launch the Camera. Touch **Camera quick access** to learn more.

• **Wake up in lock screen**: Touch the check box to enable or disable unlocking by spoken wake-up command.

• **Set wake-up command**: Configure wake-up commands, to be used when the Wake up in lock screen option is enabled. You can configure commands to wake up the device, or other popular features.

Popup Note on lock screen

When enabled, a Popup Note appears on the lock screen (when screen lock options other than Swipe or Motion are active).

1. From the Home screen, touch ▦ **Apps → ** ⚙ **Settings → Lock screen**.

2. Touch **Popup Note on lock screen** to enable or disable the setting.

Lock automatically

Choose a time period for automatically locking the screen after the screen turns off, or choose to have the screen lock immediately when the screen turns off.

1. From the Home screen, touch ▦ **Apps → ** ⚙ **Settings → Lock screen**.

2. Touch **Lock automatically**, then select an option.

Lock instantly with power key

When enabled, pressing the ⬭ ◦ **Power/Lock Key** locks the screen instantly.

1. From the Home screen, touch ▦ **Apps → ** ⚙ **Settings → Lock screen**.

2. Touch **Lock instantly with power key** to enable or disable the option.

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Vibrate on screen tap

When enabled, the device vibrates when you touch the lock screen.

1. From the Home screen, touch ▦ **Apps →** ⚙ **Settings → Lock screen**.
2. Touch **Vibrate on screen tap** to enable or disable the option.

Owner information

Enter text to display on the Lock screen.

1. From the Home screen, touch ▦ **Apps →** ⚙ **Settings → Security → Owner information**.
2. Touch **Show owner info on lock screen** to enable display of Owner information on the Lock screen.
3. Enter Owner information text. For more information about entering text, see see *"Entering Text"* on page 34.

Security

Encryption

As a security measure, you can encrypt the contents of your device or an optional installed memory card (not included), and require a password each time you turn on the device or access the memory card.

Encryption may take an hour or more to complete. Start with a charged battery, and attach the charger until encryption is complete. Loss of power or other interruption may cause the loss of some or all data.

Encrypt device

As a security measure, you can encrypt the contents of your device and require a password to access the contents each time you turn it on.

1. From the Home screen, touch ▦ **Apps →** ⚙ **Settings → Security**.
2. Touch **Encrypt device** to start encryption. Follow the prompts to complete encryption.

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Encrypt external SD card

As a security measure, you can encrypt the contents of an optional installed SD card (not included), and require a password each time you access the card.

1. From the Home screen, touch ▦ **Apps** ➔
   ◉ **Settings** ➔ **Security**.
2. Touch **Encrypt SD** card to start encryption. Follow the prompts to complete encryption.

SIM card lock

Set up SIM card lock

As a security measure, you can choose to lock the SIM card, and require a PIN to use the device.

1. From the Home screen, touch ▦ **Apps** ➔
   ◉ **Settings** ➔ **Security**.
2. Touch **Set up SIM card lock** for these settings:
   • **Lock SIM card**: Enable to require a PIN be entered to use the device, then set the PIN.
   • **Change SIM PIN**: Create a PIN for accessing the SIM card.

Passwords

Make passwords visible

When enabled, password characters display briefly as you enter them.

1. From the Home screen, touch ▦ **Apps** ➔
   ◉ **Settings** ➔ **Security**.
2. Touch **Make passwords visible** to enable or disable brief displays of password characters.

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Device administration

View or disable device administrators. Some applications, such as Corporate email, may require you allow access to your device by device administrators in certain circumstances, such as if your device is lost or stolen.

Some features a device administrator might control include:

• Setting the number of failed password attempts before the device is restored to factory settings

• Automatically locking the device.

• Restoring factory settings on the device.

Device administrators

View, add or remove device administrators.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ Settings → Security.

2. Touch **Select device administrators**.

Unknown sources

When enabled, you can install applications from sources other than Google Play®.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ Settings → Security.

2. Touch **Unknown sources** to enable or disable the option.

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.

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Credential storage

Trusted credentials

You can install credentials from an installed memory card, and use the Credential storage settings to allow applications to access the secure certificates and other credentials.

Trusted credentials

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Security**.
2. Touch **Trusted credentials** to view certificates you've installed.

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 the 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 and reset the password.

Note: This setting is only available if you have installed certificates.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Security**.
2. Follow the prompts to clear stored credentials and reset the password.

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Language and input

Language

Set the language used by your device's screens.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Language and input → Language**.
2. Select a language from the list.

Personal dictionary

Create and manage a list of words for use in text entry, for matching your key touches with words.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Language and input → Personal dictionary**.

Keyboards and input methods

Configure text entry options to your preferences.

Default

Choose the default method for entering text. If you install other text entry apps, you can set them as default here.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Language and input → Default**.
2. Touch an input method.

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Google voice typing

Configure Google voice input settings. When you enable Google voice in Settings, it is available for text entry when you touch a text field to enter text.

For more information, see *"Using Google Voice Typing"* on page 36.

1. From the Home screen, touch 🏢 **Apps** ➔ 🔘 **Settings** ➔ **Language and input**.
2. Touch **Google voice typing** to enable it.
3. Touch 🔧 beside Google voice typing to configure options:
   • **Choose input languages**: Select languages for Google voice typing. Select **Automatic** to use the Default language exclusively, or choose other language(s).
   • **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
   • **Download offline speech recognition**: Install additional speech recognition.

Samsung keyboard

Configure Samsung keypad settings. When you enable Samsung keyboard in Settings, it is available for text entry when you touch a text field to enter text.

For more information, see *"Using Samsung Keyboard"* on page 34.

1. From the Home screen, touch 🏢 **Apps** ➔ 🔘 **Settings** ➔ **Language and input**.
2. **Samsung keyboard** is enabled by default. Touch 🔧 to configure options:
   • **Input languages**: Select languages for the Samsung keyboard.

Tip: When you have more than one language selected, you can slide your finger on the space bar while entering text to switch languages.

   • **Predictive text**: Touch ⬜ to enable predictive text, to have predictive text suggest words matching your text entries and optionally, complete common words automatically. Touch **Predictive text** to configure options:

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- **Personalized data**: When enabled, predictive text uses personal language data you have entered to make better predictions. Samsung keyboard can collect all the text you enter, including personal data and credit card numbers, in order to give better prediction results.
- **Learn from Facebook**: Log into Facebook to allow your device to learn from your Facebook postings.
- **Learn from Gmail**: Log into Gmail to allow your device to learn from your Gmail email.
- **Learn from Twitter**: Log into Twitter to allow your device to learn from your Twitter postings.
- **Clear remote data**: Delete your information stored on the personalization server.
- **Clear personalized data**: Remove all personalized data you have entered.
- **Privacy**: Read the privacy policy.
- **Swiftkey flow**: When enabled, you can enter text by sliding your finger across the keyboard.
- **Pen detection**: When enabled, a handwriting pad is automatically displayed when your device detects the S Pen.

- **One-handed operation**: When enabled, Samsung keyboard features can be adjusted right or left for easier use with one hand.
- **Handwriting**:
  - **Input languages**: Choose languages to use with handwriting and Samsung keyboard.
  - **Recognition type**: Choose the type of handwriting recognition, from strokes, or complete letters.
  - **Recognition time**: Choose the length of time the keyboard waits to evaluate handwriting gestures.
  - **Pen thickness**: Choose the size of handwriting strokes on the screen.
  - **Pen color**: Choose the color of handwriting strokes on screen.
  - **Gesture guide**: Learn about gestures you can use while handwriting text.
  - **Tutorial**: Learn about using handwriting.
  - **About**: View information about Samsung keyboard handwriting.
- **Advanced**:
  - **Auto-capitalization**: When enabled, predictive text automatically capitalizes words in your text based on common usage, such as at the beginning of sentences.

- **Auto-punctuate**: When enabled, a period and space are automatically entered to end a sentence, when you tap the space bar twice.
- **Character preview**: When enabled, characters available on the key you touch display briefly as you enter text.
- **Key-tap vibration**: When enabled, a vibration plays for your key touches.
- **Key-tap sound**: When enabled, a sound plays for your key touches.
- **Tutorial**: Learn about using Samsung keyboard.
- **Reset settings**: Return Samsung keyboard settings to the defaults.

Swype

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Language and input**.
2. **Swype** is enabled by default. Touch ⚙ to configure:
    • **How to Swype**: Learn about using Swype.
    • **Preferences**: Set Swype options:
        – **Vibrate on keypress**: When enabled, the devices vibrates for your Swype touches.
        – **Sound on keypress**: When enabled, the device plays sounds for your Swype touches.
        – **Show helpful tips**: When enabled, Swype displays helpful information as you Swype.
        – **Auto-spacing**: When enabled, Swype automatically inserts spaces between words as you complete them.
        – **Auto-capitalization**: When enabled, Swype automatically capitalizes the first word of sentences.
        – **Show complete trace**: When enabled, Swype displays the trace of each word until you start the next word.
        – **Pop-up on keypress**: When enabled, characters display above keys as you enter text.

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- **Next word prediction**: When enabled, Swype predicts the next word based on the previous word.
- **Reset Swype's dictionary**: Delete all the words you've added to the Swype dictionary.
- **Version**: View information about Swype.

• **Language options**: Choose the current language for Swype, and download new languages.

• **Swype Connect**: Enable personalization from your accounts, and choose whether to contribute your usage data to improve predictions.

• **Personal dictionary**: View and manage words in your Swype dictionary, used for word completion,. suggestion, and spell-checking.

• **Updates**: Check for updates to Swype, and install them if desired.

Speech

Voice recognizer

Choose a voice recognition engine for your device's recognition features.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Language and input** → **Voice recognizer**.
2. Select an option.

Voice search

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Language and input** → **Voice search**.
2. Set options:
   • **Language**: Choose a language for voice searching.
   • Speech output: Choose options for speech output.
   • **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
   • **Hotword detection**: When enabled, you can say "Google" to launch voice search.
   • **Download offline speech recognition**: Download speech recognition, to enable voice input while offline.

- **Personalized recognition**: Enable to have your device improve recognition based on your speech.
- **Google account dashboard:** View and manage your collected data.

Text-to-speech output

Text-to-speech (TTS) provides audible readout of text.

1. From the Home screen, touch ▦ **Apps →** ⚙ **Settings → Language and input → Text-to-speech output**.
2. Touch a setting to configure:
    - **Preferred TTS engine**
      – Select **Google Text-to-speech Engine**, or **Samsung TTS**.
    - **General**
      – **Speech rate**: Choose a rate at which text readouts are spoken.
      – **Listen to an example**: Play a sample of speech synthesis.
      – **Driving mode**: When enabled, new notifications are read out automatically. Touch ▭ to enable. Touch **Driving mode** to choose items for readout when Driving mode is enabled.

Mouse/trackpad

Customize the response of your screen swipes.

1. From the Home screen, touch ▦ **Apps →** ⚙ **Settings → Language and input → Pointer speed**.
2. Touch and drag along the scale to set the pointer speed.

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Back up and reset

Set options for backing up your information and resetting your device.

Back up my data

When enabled, app data, Wi-Fi passwords, and other device settings are backed up to Google servers.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Back up and reset**.
2. Touch **Back up my data** to enable or disable back-up.

Backup account

Sign in to a Google account to use for backing up settings.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Back up and reset**.
2. Touch **Backup account**, then follow the prompts to sign in to a Google account.

Automatic restore

Use Automatic restore to have previous app settings and data automatically update from the backup when you reinstall the app.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Back up and reset**.
2. Touch **Automatic restore** to enable or disable the setting.

Factory data reset

Use Factory data reset to return all settings to the defaults, and remove all data from the device.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Back up and reset**.
2. Touch **Factory data reset**, then follow the prompts.

Important! Settings and data erased in a Factory data reset cannot be recovered. To save your settings, you can use Back up my data settings before a reset.

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Accounts

Google

Configure options for Google account and privacy settings.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Google**.
2. Configure options:
   • **Accounts**: View Google accounts set up on your device, and configure syncing.
   • **Privacy**: Choose Google features, to configure privacy and account settings.

Backup Assistant Plus

Backup Assistant Plus is a new service that integrates the features and capabilities of Backup Assistant, V CAST Media Manager, and Sync & Connect. Back up contacts, photos, music, documents and videos to a secure, online storage cloud.

■ From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Accounts and sync** → **Backup Assistant**.

Tip: You can also launch Backup Assistant from ▣ **Contacts**. From Contacts, touch ☰ **Menu** → **Backup**.

Add account

Set up an account, to synchronize the account with your device. When an account is set up on your device, you don't have to log in each time you access the account from the device.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Add account**.
2. Select an account, then follow the prompts to enter your credentials and set up the account on your device.

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System

Motion

Your device recognizes motion, to allow you to navigate and access features by moving the device in specific gestures. Configure specific motion gestures and settings, to customize your device to your preferences.

For more information about using gestures, see *"Hand Gestures"* on page 27.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **Motion**.

2. Touch **Motion** ⬛ to turn Motion On or Off.

3. Touch **Motion** to configure settings:
   • **Tilt to zoom**: When enabled, tilting the device while in Gallery or Internet causes the screen to zoom in or out.
   • **Pan to move icon**: When enabled, moving the device in a panning motion (side-to-side) moves a highlighted icon to a new location on the Home screen.
   • **Pan to browse images**: When enabled, moving the device in a panning motion while viewing an image moves focus around in the image.

• **Learn about motions**: Get help with understanding motion gestures.

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S Pen

Dominant hand

Choose the hand you write with most often, to maximize S Pen performance.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **S Pen** ➔ **Dominant hand**.
2. Choose **Left handed** or **Right handed**.

Pen attach/detach sound

Choose a sound to play when you attach or detach S Pen from your device.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **S Pen**.
2. Choose a sound, or choose Off for no sound.

Open Popup Note

When enabled, Popup Note launches automatically when you detach S Pen from your device.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **S Pen**.
2. Touch **Open Popup Note** to enable or disable the setting.

Battery saving

By default, your device detects when S Pen is detached, and displays the S Pen icon in the Status bar. To save battery power, you can disable this setting.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **S Pen**.
2. Touch **Battery saving** to enable or disable the setting.

S Pen keeper

When enabled, your device plays a sound and displays an alert if you walk with the device while S Pen is detached.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **S Pen**.
2. Touch **S Pen keeper** to enable or disable the setting.

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Air view

When turned On, hovering S Pen near an item on the screen displays information about the item.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **S Pen**.

2. Touch **Air view** `OFF ON` to turn the option On or Off.

3. When Air view is on, touch **Air view** for options:

   • **Pointer**: When enabled, a pointer displays on the screen to show S Pen position.

   • **Information preview**: When enabled, hovering over an item displays a preview, full text, or a zoomed-in image.

   • **Icon labels (by pen nib)**: When enabled, hovering over icons on the screen displays their labels.

   • **List scrolling**: When enabled, holding S Pen over the edge of the screen scrolls through a list.

Sound and haptic feedback

When enabled, sound and vibration plays for S Pen actions.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **S Pen**.

2. Touch **Sound and haptic feedback** to enable or disable the setting.

Quick Command settings

Use S Pen gestures to open applications or perform tasks. Use preloaded gestures, or create your own combination of symbols, characters, or words.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **S Pen**.

2. Touch **Quick Command settings** to configure options:

   • **Add a command**: Select an application or function to launch, then configure a gesture by writing your own combination of symbols, characters, or words with S Pen.

   • **Internet search**: Write a question mark (?) with S Pen to launch Internet.

   • **Email**: Write the "at" symbol (@) with S Pen to launch Email.

   • **Maps**: Write an exclamation mark (!) with S Pen to launch Maps.

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S Pen help

Learn about S Pen.

■ From the Home screen, touch ▦ **Apps →**
⚙ Settings → S Pen → S Pen help.

Accessory

Configure your device's behavior when it is connected to an optional dock (not included).

1. From the Home screen, touch ▦ **Apps →**
⚙ Settings → Accessory.

2. Configure settings:
   • **Dock sound**: When enabled, a sound plays when you insert and remove the device from the dock.
   • **Audio output mode**: When enabled, audio plays through the dock speakers when the device is docked.
   • **Desk home screen display**: When enabled, displays a special screen when the device is docked.
   • **Audio output:** Choose a destination for audio output when you connect to devices via HDMI cable.

Date and time

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

1. From the Home screen, touch ▦ **Apps →**
⚙ Settings → Date and time.

2. Touch a setting to configure:
   • **Automatic date and time**: When enabled, the device takes date and time updates from the wireless network.
   • **Set date**: Enter the current date (only available when Automatic date and time is disabled).
   • **Set time**: Enter the current time (only available when the Automatic setting is disabled).
   • **Automatic time zone**: When enabled, the device takes the time zone from the wireless network.
   • **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.

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Accessibility

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

System

Auto-rotate screen

When enabled, the screen's orientation automatically changes when you rotate the device.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **Accessibility**.
2. Touch **Auto-rotate screen** to turn the feature On or Off.

Tip: You can also set Auto rotate from Notifications with the Screen rotation 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 the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **Accessibility** ➔ **Screen timeout**.
2. Touch a setting to select it.

Lock automatically

When enabled, the screen locks automatically after a specified period of time.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ **Accessibility** ➔ **Lock automatically**.
2. Touch a setting to select it.

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Speak passwords

When enabled, you can speak passwords for log-ins.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Accessibility**.
2. Touch **Speak passwords** to turn the feature On or Off.

Accessibility shortcut

When enabled, a link to Accessibility settings displays on the
Device options menu, when you press and hold the
▭◦ **Power/Lock Key**. This provides quick access to
accessibility settings, to make changes as you use the
device.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Accessibility**.
2. Touch **Accessibility shortcut** to enable or disable the
   setting.

Services

TalkBack

Enable or disable accessibility services.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Accessibility**.
2. Touch **TalkBack** to enable or disable readout of menu
   options, application titles, contacts, and other items
   when scrolling and making selections.

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Vision

Font size

Set the font size for screen displays.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Settings → Accessibility → Font size**.
2. Select a size.

Negative colors

When enabled, Negative colors reverses the colors on the screen.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Settings → Accessibility**.
2. Touch **Negative colors** to enable or disable reversal of screen colors.

Text-to-speech output

Text-to-speech (TTS) provides audible readout of text.

1. From the Home screen, touch ▦ **Apps →**
   ⚙ **Settings → Language and input → Text-to-speech output**.
2. Touch a setting to configure:
   • **Preferred TTS engine**
     – Select **Google Text-to-speech Engine**, or **Samsung TTS**.
   • **General**
     – **Speech rate**: Choose a rate at which text readouts are spoken.
     – **Listen to an example**: Play a sample of speech synthesis.
     – **Driving mode**: When enabled, new notifications are read out automatically. Touch ⬜ᴼᴺ to enable, then touch **Driving mode** to choose items for readout when Driving mode is enabled.

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Enhance web accessibility

When enabled, this service allows apps to install scripts from Google that make their Web content more accessible.

1. From the Home screen, touch ▦ **Apps →**
   ◉ **Settings → Accessibility**.
2. Touch **Install Web scripts**, then follow the prompts to enable or disable the service.

Hearing

Sound balance

Set the balance of audio output to the left and right ear, when using an optional headset or headphones (not included).

1. From the Home screen, touch ▦ **Apps →**
   ◉ **Settings → Accessibility → Sound balance**
2. Drag the slider to set the balance.

Mono audio

When enabled, sound is delivered as mono, to support listening with one earphone.

1. From the Home screen, touch ▦ **Apps →**
   ◉ **Settings → Accessibility**.
2. Touch **Mono audio** to enable or disable the service.

Turn off all sounds

When enabled, all sounds are disabled.

1. From the Home screen, touch ▦ **Apps →**
   ◉ **Settings → Accessibility**.
2. Touch **Turn off all sounds** to enable or disable the service.

Mobility

Tap and hold delay

Set the length of time the device considers a screen touch before interpreting a touch as touch-and-hold.

1. From the Home screen, touch ▦ **Apps →**
   ◉ **Settings → Accessibility → Tap and hold delay**.
2. Touch a setting to select it.

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Developer options

Set options for use when developing apps for devices.

Important! These settings are intended for development use only. They can cause errors to occur on your device and with the applications on it.

Turning Developer options On or Off

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Developer options**.
2. Touch **Developer options** ⬜ to turn the setting On or Off.

Desktop backup password

Set a password for protecting full desktop backups.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Developer options**.
2. Touch **Desktop backup password**, then enter the current and new passwords. Touch **Set backup password** to save your settings.

Stay awake

When enabled, the screen will never sleep while charging.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Developer options**.
2. Touch **Stay awake** to enable or disable the setting.

Protect SD card

When enabled, apps must request permission to read an installed optional SD card (not included).

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Developer options**.
2. Touch **Protect SD card** to enable or disable the setting.

Debugging

Enable or disable debugging options.

1. From the Home screen, touch ⚏⚏⚏ **Apps** ➔
   ⚙ **Settings** ➔ **Developer options**.

2. Configure options:
   • **USB debugging**: When enabled, connecting your device to a
     computer with a USB data cable launches debugging mode.
   • **Allow mock locations**: When enabled, mock locations are
     allowed during debugging.
   • **Select app to be debugged**: Choose an app to be debugged
     when device is in debugging mode.
   • **Wait for debugger**: When enabled, a device to be debugged
     waits for the debugger to be attached.

Input

Configure options for input.

1. From the Home screen, touch ⚏⚏⚏ **Apps** ➔
   ⚙ **Settings** ➔ **Developer options**.

2. Configure options:
   • **Show touches**: When enabled, screen touches cause the
     screen to display visual feedback.
   • **Show pointer location**: When enabled, the current pointer
     location shows on a screen overlay.

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Drawing

Configure options for drawing screens.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Developer options**.

2. Configure options:

   • **Show layout boundaries**: When enabled, clip boundaries, margins, and other layout details display.

   • **Show GPU view updates**: When enabled, views are flashed inside windows when they are drawn with the GPU.

   • **Show screen updates**: When enabled, areas of the screen flash as they update.

   • **Window animation scale**: Choose a scale for window animations.

   • **Transition animation scale**: Choose a scale for screen transitions.

   • **Animator duration scale**: Choose a scale for animators.

   • **Disable hardware overlays**: When enabled, the GPU is always used for screen compositing.

   • **Force GPU rendering**: When enabled, 2D hardware acceleration is used in applications.

Monitoring

Configure options for monitoring apps.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Developer options**.

2. Configure options:

   • **Strict mode**: When enabled, the screen flashes while apps perform long operations.

   • **Show CPU usage**: When enabled CPU usage displays on a screen overlay.

   • **GPU rendering profile**: When enabled, rendering time is measured in adb shell dumpsys gfxinfo.

   • **Enable traces**: Choose traces.

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Apps

Configure app options.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **Developer options**.

2. Configure options:
   • **Do not keep activities**: When enabled, activities are destroyed as soon as the user leaves them.
   • **Limit background processes**: Choose options for processes running in the background.
   • **Show all ANRs**: When enabled, an App Not Responding dialog displays for apps running in the background.

About device

View information about your device, including status, legal information, hardware and software versions, and a tutorial.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **About device**.

2. Touch items to view details:
   • **Software update**: Check availability and install updates.
   • **Status**: View information about your device's current status.
   • **Legal information**: Display open source licenses, configure license settings, including your DivX® VOD registration, and Google info.
   • **Model number**: View your device's model number.
   • **Android version**: View the firmware version of your device.
   • **Baseband version**: View the baseband version of your device.
   • **Kernel version**: View the kernel version of your device.
   • **Build number**: View the build number of your device.
   • **Hardware version**: View the hardware version of your device.

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USB Settings

configure settings for connecting your device to a personal computer with a USB cable, to transfer data, or install software upgrades on your device.

You can have your device prompt you to choose a USB setting each time you connect it to a computer, or choose a default setting to use all the time.

1. From the Home screen, touch ▦ **Apps** →
   ⚙ **Settings** → **USB settings**.

2. Select a connection method:
   • **Ask on plug**: When enabled, your device will prompt you to choose a USB setting each time you connect it to a computer.

   • **Media device (MTP)**: When enabled, transfer media files with Windows, or using Android file transfer on a Mac (see www.android.com/filetransfer).

   • **Camera (PTP)**: When enabled, transfer photos using camera software, and transfer files to computers that do not support MTP.

   • **SUA auto-run**: When enabled, install and run SUA (Software Update Assistant) to help with upgrading your device..

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Section 8: 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/.

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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.

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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.

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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 device has a FCC ID number: A3LSCHI925 and the specific SAR levels for this mobile 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.

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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**.

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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.

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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

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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 you 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.

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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.

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Health and Safety Information   155

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.

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- 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]

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Section 9: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's devices and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Tablet	1 Year
Batteries (Including Internal Batteries)	1 Year
Case	90 Days
Other Tablet Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of Product by Purchaser.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG Tablet for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, without charge to Purchaser, or at SAMSUNG's sole option, refund the purchase price.

SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period

equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. This Limited Warranty is extended to the Purchaser and is not transferable or assignable to any other person or entity.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, Purchaser must return the Product to an authorized Tablet service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-800-SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product. Purchaser should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY.

IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action.

The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting

out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the Samsung Customer Care Center for details.

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Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082

Phone: 1-800-SAMSUNG

Phone: 1-888-987-HELP (4357)

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