Samsung

GALAXY Tab® S

ANDROID TABLET

User Manual

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

SAMSUNG

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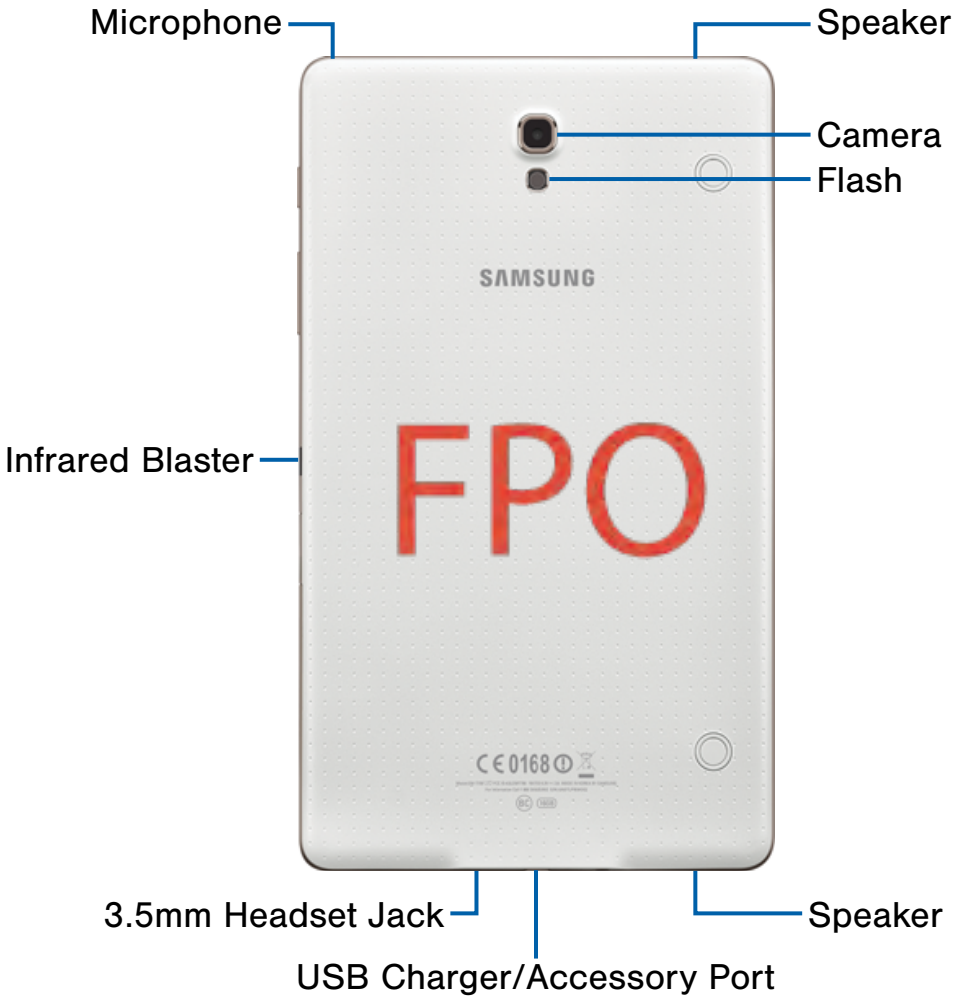
Getting Started

This manual documents default settings. If you select other settings, steps may be different.

Front View

- **Back**: Tap to return to the previous screen, or to close a dialog box, menu, or keyboard.
- **Front Camera**: Take pictures and videos of yourself.
- **Home Key/Finger Print Scanner**: Tap to return to the home screen. Activate the Fingerprint security feature to use as a fingerprint reader.
- **Power/Lock**: Press and hold to turn the device on or off, or press to lock or wake up the screen. Press and hold to turn the device off or restart it, or for easy access to Airplane or Emergency Mode, and to Mute, Vibrate, and Sound modes.
- **Proximity and Gesture Sensors**: Detects the presence of objects near the device.
- **Recent Apps**: Tap to display recent apps, or touch and hold for home screen options.
- **Volume**: Press to adjust the volume of your device's sounds.

Back View



- **3.5 mm Headset Jack**: Connect an optional headset (not included).
- **Camera**: Take pictures and record videos.
- **Flash**: Illuminate subjects in low-light environments when taking a photo or recording video.
- **Infrared Blaster**: Controls external devices using infrared transmissions.
- **Microphone**: Records audio and detects voice commands.
- **Speaker**: Plays sounds, notifications, and audio.
- **USB Charger/Accessory Port**: Connect the Charger/USB cable (included), and other optional accessories (not included).

Prepare Your Device

Charge the Battery

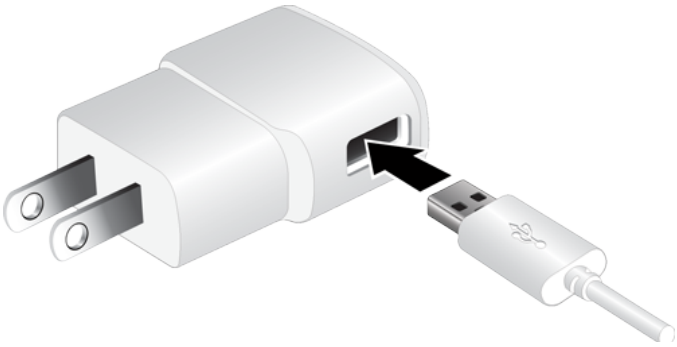
Your device is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the device, for charging the battery.

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.

Your device comes with a charger (charging head and USB cable) to charge your device from any 110/220 VAC outlet.

1. Insert the USB cable into the port.
2. Connect the USB cable to the charging head, then plug the charging head into a standard AC power outlet.
3. When charging is complete, unplug the charging head from the power outlet and remove the USB cable from the device.



Caution Failure to unplug the wall charger before you remove the battery, can cause damage to the device.

When to Charge the Battery

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals.

In this condition, your device conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode.

When the battery level becomes too low, the device automatically turns off.

► For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

You can also choose to display a percentage value. Having a percentage value onscreen can provide a better idea of the remaining charge on the battery. For more information, see "Battery" on page 68.

Set Up Your Device

Turn Your Device On and Off

Turning the Device On

► Press and hold the **Power/Lock** until the device vibrates and starts up.

Turning the Device Off

1. Press and hold the **Power/Lock** until the device vibrates and the Device Options menu displays.
2. At the prompt, tap **Power off**.

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.

Secure Your Device

Use your device's screen lock features to secure your device. To set a personal screen lock, use the Screen lock option.

Lock the Device

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

– or –

Press the **Power/Lock**.

Unlock the Device

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

► Press the **Power/Lock**, and then drag your finger across the screen. Help

Set Up Accounts on Your Device

Google Account

Your new device uses your Google account to fully utilize its Android features, including Gmail, Google Hangouts, 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 settings. For more information, see “Accounts” on page 62.

► From the Home screen, tap **Apps** > **Settings** > **Accounts**.

Samsung Account

Create a Samsung account, for access to Samsung content and apps on your device.

To create a Samsung account, or set up your Samsung account on your device, use Accounts settings. For more information, see “Accounts” on page 62.

► From the Home screen, tap **Apps** > **Settings** > **Accounts**.

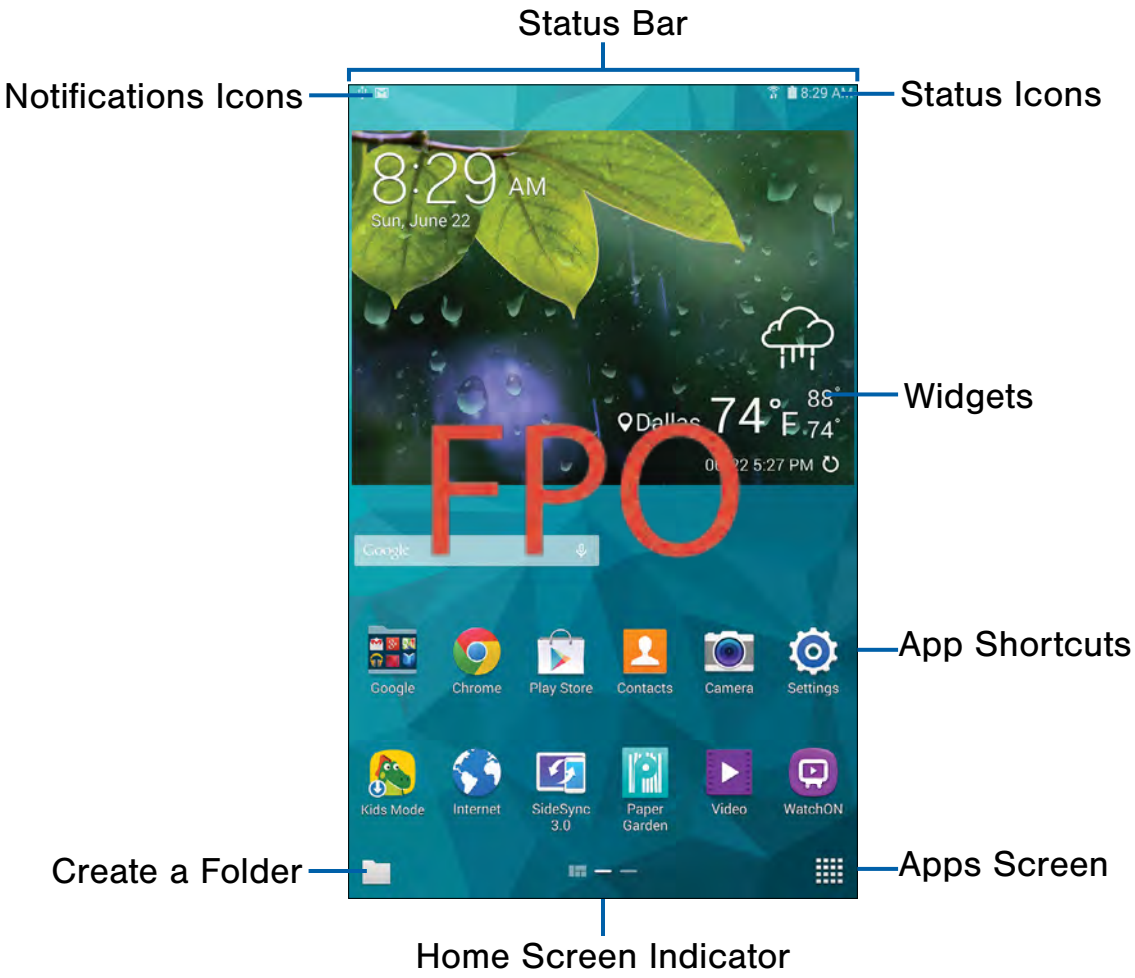
Know Your Device

This section outlines some key features of your device and describes the screen and icons as they appear when the device is in use.

Learn how to navigate the device and how to use special features of this device.

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.

Home Screen



- **App Shortcuts**: Shortcuts to your favorite applications on the Home screen.
- **Apps Screen**: Allows quick access to all of the Applications available.
- **Home Screen Indicator**: Indicates which Home screen is presently displayed.
- **Status Bar**: Display device status icons (right) and notification icons (left).
- **Notifications Icons**: Displays new messages and emails, notifications, available software updates, and so on.
- **Status Icons**: Display information about the device, such as the network signal strength, battery level, the time, and so on.
- **Widgets**: Self-contained onscreen applications (not shortcuts). These can be placed onto any of the available screens (Home or extended).

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

Customize your home screen by adding application shortcuts, widgets, folders, and using wallpapers.

Manage Home Screens

Your device comes with multiple home screens by default, and you can additional screen. You can also rearrange the home screens in a different order.

1. From a Home screen, pinch the screen.

   – or –

   Touch and hold an empty space on the screen.

2. Use these options to manage screens:

   - **Add a screen**: Scroll to the end of the screens, and then tap + **Add**.
   - **Remove a screen**: Touch and hold on a screen, and then drag it to the **Remove**.
   - **Set a screen as the main home screen**: Tap **Main Home Screen** at the top of a screen. This screen display when you press the Home Key.
   - **Change the order of screens**: Touch and hold on a screen, and then drag to a new position.

App Shortcuts

You can use app shortcuts to launch an app from any home screen.

Add a Shortcut to a Home Screen

1. From a Home screen, tap **Apps**.
2. Touch and hold an app shortcut, and then drag it to a home screen and release it.

Remove a Shortcut

1. Touch and hold a shortcut to release it.
2. Drag the icon to the **Remove** icon and then release it.

Note: Removing a shortcut does not delete the app, it just removes the shortcut from the home screen.

Widgets

Widgets are self-contained apps that display on a home screen. Unlike a shortcut, a widget operates right on the home screen. There are all kinds of widgets, including links to a specific contact, Internet bookmarks, Gmail and email accounts, and many others.

Add a Widget to the Home Screen

1. Touch and hold an empty space on the screen, and then tap **Widgets**.
2. Touch and hold a widget, and then drag it to a home screen and release.

Remove a Widget

1. From a Home screen, touch and hold a widget to release it.
2. Drag the widget to the **Remove** icon and release it.

Note: Removing a widget does not delete the widget, it just removes the widget from the home screen.

Folders

Place folders on the Home screen to organize items.

Adding Folders

1. From a Home screen, touch and hold on an app shortcut.
2. Drag the shortcut onto **Create folder** and release.
   - Enter a folder name.
   - Tap **Add** to place additional apps in the folder.
   - Tap **Done** on the keyboard.

   A folder will be created with the shortcut(s) inside.

Using Folders

- Tap the folder to open it and access the shortcuts inside.
- To add shortcuts to the folder, touch and hold the shortcut, and then drag it onto the folder and release.
- To delete a folder, touch and hold the folder until it detaches, and then drag it to **Remove** and release.
- Tap **Menu** to change the folder's color scheme.

Change the Wallpaper

Change the look of the home and lock screens with wallpaper. You can display a favorite picture, or choose from preloaded wallpapers.

1. From a Home screen, pinch the screen.

   – or –

   Touch and hold an empty space on the screen.
2. Tap **Wallpapers**, and then choose **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Tap a wallpaper to see a sample, and then tap **Set wallpaper**.

Navigation, Motions, and Gestures

Touchscreen Navigation

Tap

Lightly tap items to select or launch them.

- Tap the on screen keyboard to enter characters or text.
- Tap an item to select it.
- Tap an app icon to launch the application.

Tap and Hold

Activate on-screen items by a touch and hold gesture. For example:

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

Swipe or Slide

To swipe, lightly drag your finger vertically or horizontally across the screen.

- Unlock the screen
- Scroll through the home screen or a menu

Drag

To drag, touch and hold on an item, and then move it to a new location.

- Add a shortcut to the home screen
- Move a widget on the home screen

Pinch and Spread

"Pinch" the screen using your thumb and forefinger, or "spread" by moving your fingers apart.

- Zoom in or out while viewing a picture or a Web page.
- Zoom in or out while taking a picture

Motions and Gestures

Control your device by making specific gestures with your hand above the device's screen.

Enable Motions and Gestures

► From the Home screen, tap **Apps** > **Settings** > **Motions and gestures**.

- **Mute/pause**: When on, you can mute incoming calls and pause playback by turning the device screen-side down, or by covering the screen with your hand. You can also use Smart pause, to have the device pause video playback when you look away from the screen.
- **Palm swipe to capture screen**: When on, you can create a copy of the current screen by swiping the side of your hand across the screen, from left to right or right to left. The screen shot is saved to the clipboard, and to the Screenshots folder.

Status Bar

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

Device Status Icons

Battery is fully charged.

Battery is charging.

Battery is Low.

GPS is enabled.

Vibrate mode is enabled.

Mute mode is enabled.

Wi-Fi is active.

A Wi-Fi network is available.

Wi-Fi Direct is active.

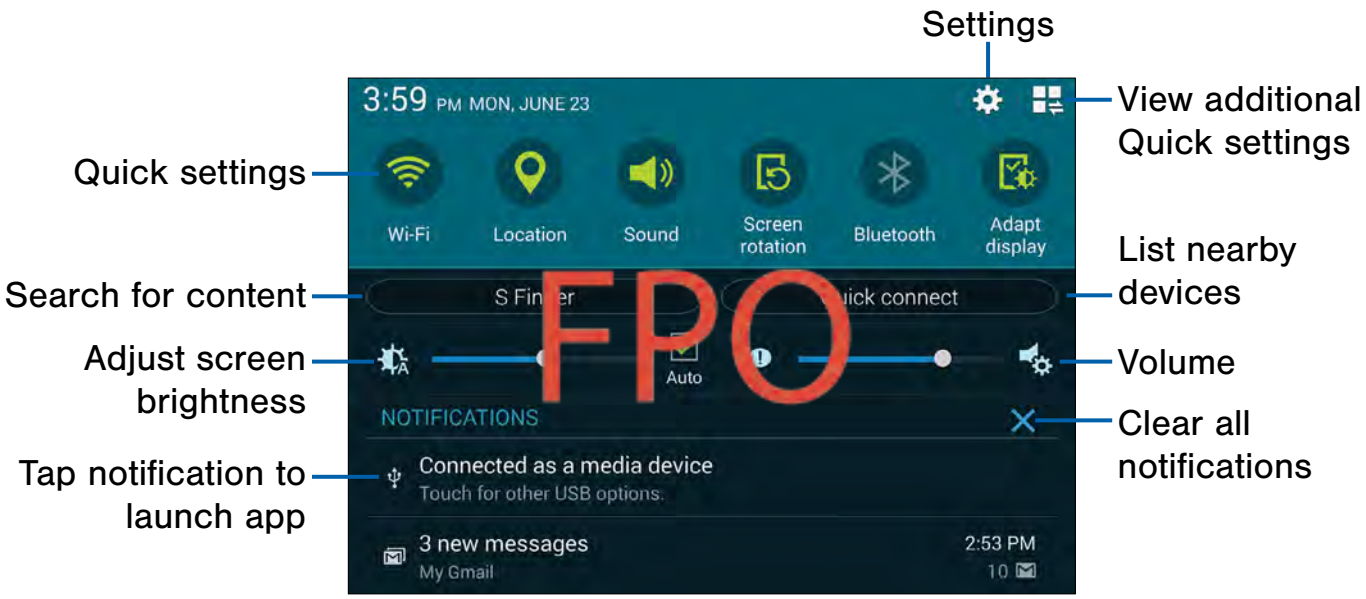
Notification Icons

New Gmail has arrived.

New email has arrived

Connected to a computer using a USB cable.

Notification Panel



Notification icons display on the Status Bar displaying calendar events, device status, and more. For details about these notifications, open the Notification Panel.

View the Notification Panel

1. Swipe down on the Status Bar to display the Notification Panel.
2. Scroll down the list to see notification details.
   - Tap an item to open it.
   - To clear a single notification, drag the notification left or right. Tap ✕ **Delete all** to clear all notifications.
3. To close the Notification Panel, swipe upward from the bottom of the screen or tap Back.

Quick Settings

In addition to notifications, the Notification Panel also provides quick access to device functions such as Wi-Fi, allowing you to quickly turn them on or off.

To view additional Quick settings, tap **View all**.

S Finder

Find content on your device using filters such as media type, date, tag, or location. You search can also be extended to the Internet.

Quick Connect

View a list of all nearby devices. Quickly connect to a device to share data or media, or all them to connect to your device.

Notification Panel Settings

1. From a Home screen, tap **Apps** > **Settings** > **Device** tab.

   – or –

2. From the Notification panel, tap **View all** > **Edit**.

3. Tap **Notification panel** for options:

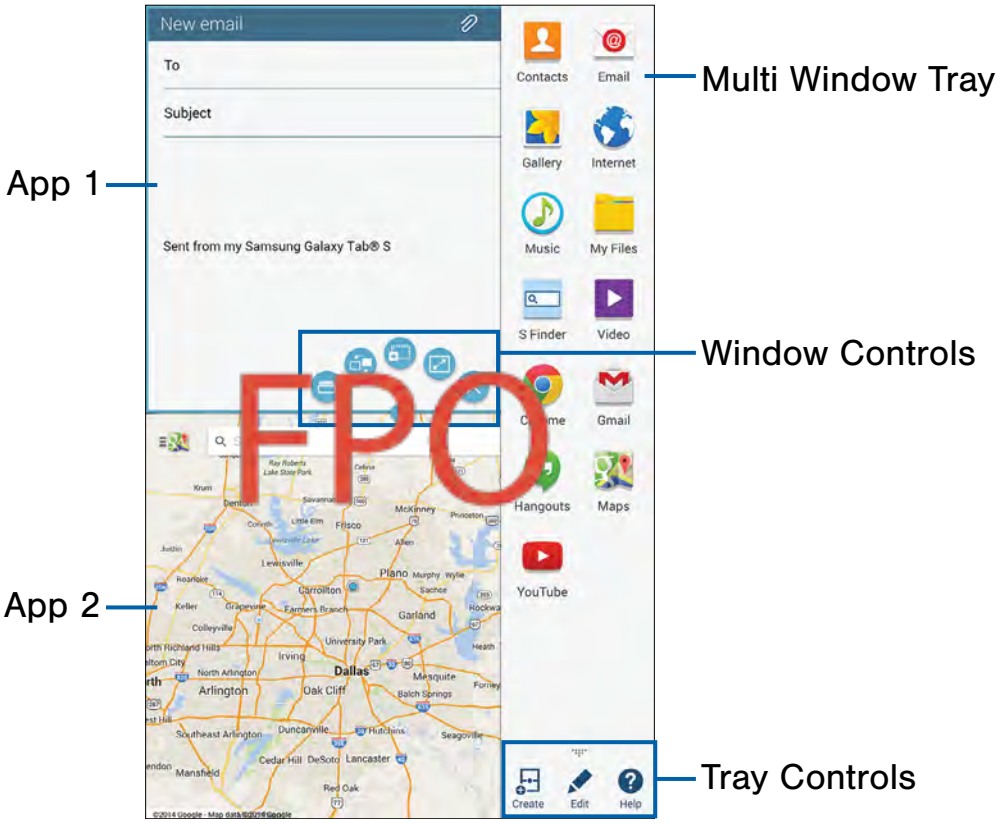
   - Tap **Brightness and volume** to be able to adjust the screen brightness and volume from the Notification Panel.

   - To customize which quick setting buttons appear at the top of the Notification Panel, tap and drag buttons to reorder them. Tap **Reset** to use the default layout.

   - Tap **ON/OFF** to show recommended apps on the Notification Panel after certain actions, such as connecting earphones. Tap **Recommended apps** for options:

     – **Earphones**: Tap **Edit** to select which apps to display on the Notification Panel when you insert earphones.

Multi Window



Multi task by using multiple applications at the same time.

Activate Multi Window

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab > **Multi window**.
2. Tap **ON/OFF** to activate.
   - Tap **Open in multi window view** to automatically view content in Multi window when you open files from My Files or Video player, or attachments from email.

Tip: You can also activate Multi window from the Notification Panel.

Using Multi Window

After enabling Multi Window, you can use it to run multiple apps at the same time.

Note: Only apps located on the Multi Window tray can be used together. Additional Multi Window apps are available from the Google Play Store.

The apps display together on a split screen. You can switch between the apps, adjust the size of their display on the screen, and copy information from one app to the other.

1. Swipe the right edge of the screen toward the center to display the Multi window panel. After a few seconds, the panel will be hidden again.
2. Tap the Multi window tab to display the tray, and then drag apps to the windows.

Window Controls

Select an application window and tap in the middle of the windows.

Window Controls

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

Customize Multi Window

You can customize Multi window to suit your preferences.

Create a Window Group

If you like to use two apps together in Multi window often, you can create a window group to quickly display the two apps in Multi window.

The window group will be stored in the Multi window tray, so you can choose it any time to display the two apps.

1. Tap the Multi window tab to display the tray, and then drag apps to the windows.
2. Scroll to the bottom of the Multi window tray, and then tap **Panel Controls** > **Create**.

Change the Order of Apps in the Multi Window Tray

1. Tap the Multi window tab to display the tray.
2. Tap an hold an app, drag it to a new position in the tray and then drop it.

Choose Apps to Display in the Multi Window Tray

You can choose the apps you want to display in the Multi window tray.

1. Tap the Multi window tab to display the tray.
2. Tap **Panel Controls** > **Edit** for options:
   - To remove an app from the panel, tap and drag it off of the panel and place it in the storage area.
   - To add an app to the panel, tap and drag it from the storage area to the panel.
   - To relocate an app, tap and drag it to a new location.

Multi Window Settings

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Multi window** for options:
   - Tap **Open in multi window view** to automatically view content in a multi window when you open files from My Files or Video, or attachments from email and messages.

Entering Text

Using the Samsung Keyboard

Type your text input using a QWERTY keyboard.

FPO

Special Keys

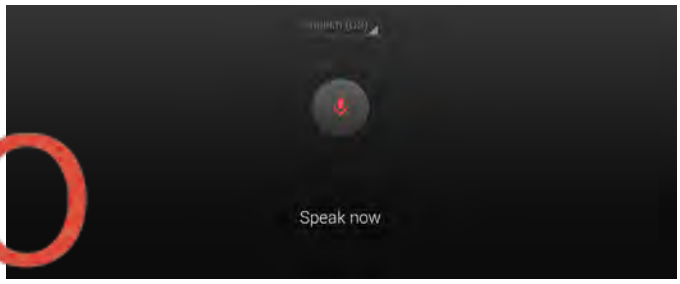
	Tap once to use Google Voice Typing. Tap an hold to access keyboard settings and advanced keyboard features, such as handwriting, Access keyboard settings. Change the layout of the keyboard. Use your handwriting to enter text.
Ctrl	Tap with key for quick access to cut (x), copy (c), paste (v), undo (z), redo (y), and select all (a).
Sym	Tap to insert common symbols.

Configure the Samsung Keyboard

Customize the Samsung Keyboard. For more information, see “Samsung Keyboard Settings” on page 65.

Using Google Voice Typing

Instead of typing, speak your text input.



1. On the Samsung Keyboard, tap **Google Voice Type**.
2. Speak your text.

Configure Google Voice Typing

Customize Google Voice Typing. For more information, see “Google Voice Typing Settings” on page 65.

Applications

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

From Apps, you can change the way apps appear on the screen, and uninstall/disable apps you have downloaded.

Apps Screen

Accessing Applications

1. From a Home screen, tap **Apps**.
2. Tap an application's icon to launch it.
3. To return to the main Home screen, press Home.

Download and Install New Apps

Find new apps to download and install on your device:

- **Google Play Store**: For more information, see "Play Store" on page 21.

Uninstall or Disable Apps

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

1. From a Home screen, tap **Apps**.
2. Tap **Menu** > **Uninstall/disable apps**. Apps that can be uninstalled show on their icon.
3. Tap , and then follow the prompts to uninstall the app.

Customize the Apps Screen

Choosing a View

The Apps icons can be arranged in various ways.

1. From a Home screen, tap **Apps**.
2. Tap **Menu** > **View type**.
3. Tap 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.

Apps Screen Options

1. From a Home screen, tap **Apps**.
2. Tap **Menu** for these options:
   - **Edit**: touch and hold an app icon then drag it to the Create folder icon to create a new folder. Drag it to the Create page icon to create a new apps screen and place the icon on it. Or drag it to App info to view information about this app.
   - **Create folder**: Create a new folder to hold the app icon.
   - **Set wallpaper**: Set the Home screen, Lock screen, or Home and lock screens wallpaper.
   - **View type**: Configure the apps screen.
   - **Uninstall/disable apps**: Remove an app that you downloaded to your device. Preloaded apps cannot be uninstalled. Tap to remove the selected app.
   - **Show disabled apps**: Display disabled apps. Tap an app to make it visible again.

Google Applications

Chrome

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

Visit google.com/chrome/browser to learn more.

Drive

Open, view, rename, and share your Google Docs and files.

Visit drive.google.com to learn more.

Gmail

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

Visit gmail.com to learn more.

Google

Search not only the Internet, but also applications and their contents on the device as well.

Google Now

Google Now recognizes repeated actions performed on the device to automatically send user-specific information "cards."

Visit google.com/landing/now to learn more.

► Press and hold **Home**.

When Google Now is enabled, you can also access it by touching .

Google Settings

Quickly and easily change Google app settings to suit your preferences.

You must be signed in to the application in which you want to configure. (For example, sign in to Google+ in order to configure Google+ settings).

Google+

Stay connected and share life as it happens with Google+. Chat with friends and family, post photos, or see what others are sharing while you're on the go.

Visit google.com/mobile/+ to learn more.

Hangouts

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

Visit google.com/hangouts to learn more.

Maps

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

Visit google.com/maps to learn more.

You must enable location services to use Maps. For more information, see "Location Services" on page 45.

Play Books

With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

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

Play Games

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

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

Play Movies & TV

Watch movies and TV shows purchased from Google Play. You can stream them instantly, or download them for viewing when you're not connected to the Internet. You can also view videos saved on your device.

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

Play Music

With Google Play Music, you can play music you've downloaded, and music you copied from your computer.

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

Play Newsstand

Subcribe to your favorite magazines so you can have them available to read on your device at your leisure.

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

Play Store

All your favorite apps, movies and tv shows, music, books, magazines, and games are available in Google Play Store.

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

Voice Search

Use voice commands to search the web with Google.

YouTube

View and upload YouTube videos, right from your device.

Visit youtube.com to learn more.

Other Applications

Businessweek+

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

Visit bloomberg.com/mobile/businessweek to learn more.

Dropbox

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

Visit dropbox.com to learn more.

Evernote

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

Visit evernote.com to learn more.

Flipbook

Use this application to access your personalized magazines.

Visit flipboard.com to learn more.

Hancom Office Viewer

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

Visit hancom.com to learn more.

Netflix

Watch TV shows and movies, streaming from Netflix.

Visit netflix.com to learn more.

NYTimes

Read the latest web edition of The New York Times newspaper.

Visit nytimes.com/content/help/mobile/android/android to learn more.

Papergarden

Discover and enjoy highly interactive top brand magazines, all in one place. Explore high-quality previews of each magazine, and then purchase and download your favorites.

Remote PC

Remotely access and control your computer via the Internet.

Visit remotepc.rview.com to learn more.

Screen Saver

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

SideSync 3.0

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

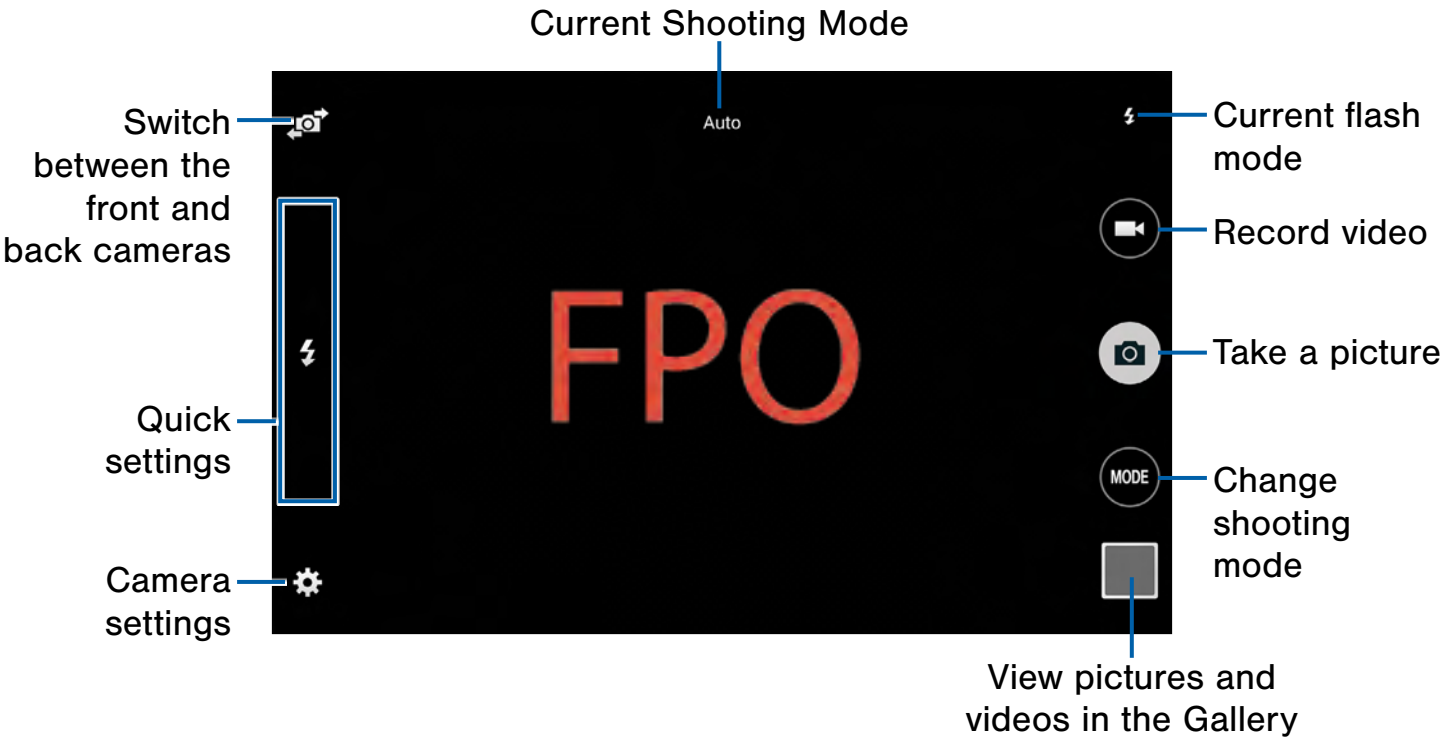
Visit samsung.com/us/sidesync to learn more.

WebEx

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

Visit webex.com to learn more.

Camera and Video



Taking Pictures

Take pictures with your device's front or back camera, or combine shots with Dual mode.

1. From the Home screen, tap **Apps** > **Camera**.
2. Using the display screen as a viewfinder, compose your shot by aiming the camera at the subject. While composing your picture, use the onscreen options, or these gestures:
3. Press the **Volume key** up or down to zoom in or out, or tap the screen with two fingers and pinch or spread them on the screen to zoom.
4. Tap the screen to focus on the area you touched.
5. Tap to take the picture.

Shooting Mode

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

► Tap **MODE**, and then scroll up or down the screen at the right side of the screen.

- **Auto**: Allow the camera to evaluate the surroundings and determine the ideal mode for the photo.
- **Beauty face**: Take a photo with lightened faces for gentler images.
- **Panorama**: Take a photo composed of many photos strung together.
- **Dual camera**: Take pictures and record videos using the front and rear cameras at the same time. A variety of picture-in-picture styles are available.

- **Shot & more**: Take a quick burst of photos and apply effects to them.
- **Best photo**: Take a series of photos, and then save the best one.
- **Best face**: Take multiple group shots at the same time and combine them to create the best possible image.
- **Eraser**: Erase the movements of moving subjects in the background.
- **Drama**: Take a series of photos and combine them to create an image that shows trails of the movement.
- **Panning shot**: Use this setting for fast-moving subjects.
- **Sound & shot**: Take a photo with a few seconds of sound.
- **Rich tone (HDR)**: Take photos without losing details in bright and dark areas.
- **Manage modes**: Select which shooting modes to display when you tap Modes.
- **Download**: Download additional shooting modes from the Samsung Apps store.

Camera Settings

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

Camera

- **Picture size**: Select a resolution. Use higher resolution for higher quality. Higher resolution photos take up more memory.
- **Burst shot**: Take a series of photos of moving subjects.
- **Save as**: Set the device to delete the original photo when taking photos with rich tone mode.
- **Tap to take pics**: Tap the image on the preview screen to take photos.
- **Picture stabilization**: Activate or deactivate anti-shake. Anti-shake helps focus when the camera is moving.
- **Face detection**: Set the device to recognize people's faces and help you take photos of them.
- **ISO**: Select an ISO value. This controls camera light sensitivity. It is measured in film-camera equivalents. Low values are for stationary or brightly-lit objects. Higher values are for fast-moving or poorly-lit objects.
- **Metering modes**: Select a metering method. This determines how light values are calculated. Center-weighted measures background light in the center of the scene. Spot measures the light value at a specific location. Matrix averages the entire scene.
- **Tap to take pictures**: Tap anywhere on the screen to take a picture.

Video Recorder

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

General

- **Flash**: Activate or deactivate the flash.
- **Timer**: Use this for delayed-time shots.
- **Location tag**: Attach a GPS location tag to the photo.
- **Storage location**: Select the memory location for storage.
- **Review pics/videos**: Set to show photos or videos after taking them.
- **Remote viewfinder**: Take pictures using the viewfinder of a connected device. Wi-Fi Direct is required.
- **White balance**: Select an appropriate white balance, so images have a true-to-life color range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- **Exposure value**: Change the exposure value. This determines how much light the camera's sensor receives. For low light situations, use a higher exposure.
- **Guidelines**: Display viewfinder guides to help composition when selecting subjects.
- **Voice control**: Set the camera to take photos with voice commands.
- **Reset settings**: Reset the camera settings.

Accounts and Contacts

Your device provides the ability to synchronize information, from a variety of accounts, including Google, Email, Facebook, and your Samsung account.

Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Accounts

Adding an Account

1. From the Home screen, tap **Apps** > **Settings** > **Accounts** > **Add account**.
2. Select an account provider, then follow the prompts to enter your credentials and sign in.

Managing Accounts

1. From the Home screen, tap **Apps** > **Settings** > **Accounts**.
2. Select an account, then tap a setting to enable synchronization.

Contacts

The Contacts app lets you store and manage contacts from a variety of sources, including contacts you enter and save directly on your device as well as contacts synchronized with your Google account, compatible email programs (including Microsoft Exchange Server), and your Facebook friends.

Accessing Contacts

► From the Home screen, tap **Apps** > **Contacts**.

Finding a Contact

You can search for a contact, or scroll the list to find one by name.

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the **Search** field, and then enter characters to find contacts that match.
3. Tap a letter on the side of the list to go directly to that letter in the alphabetical list.

Adding a Contact

Use the following procedure to add a new contact.

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap **Add**, and then tap contact fields to enter information.
   - Choose a storage account for the contact. You can choose **Device** to store the contact on the device, or choose an account.
   - Tap **Photo** to assign a picture to the new contact.
   - Tap the **Name** field to use the onscreen keyboard to enter the full name. Tap **Expand** for additional name fields.

- Tap the **Phone** number field, and then enter the phone number. Tap ✓ to add another phone number. Tap ▢ to choose a label for the number.
- Tap + beside Email to enter an email address. If you add more than one email address, you'll be prompted to choose a default email address.
- Tap **Groups** to assign the contact to a group.
- Tap **Ringtone** to choose a ringtone to play for calls from the contact.
- Tap **Add another field** to add new fields for the contact.

3. Tap **Save** to save the new contact.

Edit a Contact

When editing a contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to display it, and then tap **Edit**.
3. Tap any of the fields to add, change, or delete information.
4. Tap **Save**.

Share a Name Card

When you share a name card, the contact's information is sent as a vCard file (.vcf). You can share a vCard via Bluetooth or Wi-Fi Direct, attach it to a message, or save it to a storage location.

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap a contact to display it, and then tap **Menu** > **Share name card via**.
3. Choose a sharing method and follow the prompts.

Save a Business Card as a Contact

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap **Menu** > **Business cards** > **Add**.
3. When the camera opens, center the business card in the guidelines on the screen. If the Camera can recognize the business card, it will take the picture automatically, or you can take the picture manually.
4. Your device analyzes the picture of the business card, and uses information it recognizes to create a new contact. You can also add more information to the contact.
5. Tap **Save**. The business card is displayed as the picture for the contact.

Note: You can view all your business cards by touching **Menu** > **Business cards**.

Link Contacts

When you have contacts from various sources (Gmail, Facebook, etc.), you may have multiple similar entries for a single contact. Your phone's Contacts application lets you link multiple entries into a single contact.

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to display it, and then tap **Link**.
3. Tap **Link another contact**, and then select contact(s) to link to the original contact.
4. Tap **Done** to save the linked contact.

Unlink Contacts

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to display it, and then tap **Link**.
3. Tap — beside contacts to unlink them from the main contact.

Delete Contacts

You can delete a single contact, or choose multiple contacts to delete.

1. From the Home screen, tap **Apps** > **Contacts**.
2. Touch and hold on a contact to select it. You can also tap other contacts, or choose Select all to select all contacts.
3. Tap **Delete**, and then tap **OK** to confirm.

Favorites

When you mark contacts as favorites, they are easily accessible from other apps. Favorites display together on the Favorites tab in Contacts.

Mark Contacts as Favorites

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap a contact to display it, and then tap **Favorite** (turns bright).

Remove Contacts from Favorites

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the **Favorites** tab, and then touch and hold on a contact to select it. You can also tap other contacts, or choose Select all to select all contacts.
3. Tap **Delete**.

Create a Shortcut to a Favorite

You can create a shortcut to a favorite on the home screen, to access their information directly from the home screen.

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the **Favorites** tab, and then touch and hold on a contact to select it.
3. Tap **Menu** > **Add shortcut to home screen**. The new shortcut displays in an empty area of the home screen.

Groups

You can use groups to organize your contacts. Your device comes with preloaded groups, and you can create your own. You might create a group for your family, for coworkers, or a team. Groups make it easy to find contacts, and you can send messages to the members of a group.

Create a Group

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the **Groups** tab, and then tap **Add**.
3. Tap fields to enter information about the group:
   - Tap **Create group in All Accounts** in to choose where to save the group. You can save it to a specific account, to the device memory, or to all accounts.
   - Tap **Group name** to enter a name for the new group.
4. Tap **Add member** and select contact(s) to add to the new group, and then tap **Done**.
5. Tap **Save**.

Rename a Group

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the **Groups** tab, and then tap a group.
3. Tap **Menu** > **Edit group** and enter a new name.
4. Tap **Save**.

Add Contacts to a Group

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the **Groups** tab, and then tap a group.
3. Tap **Add**, and then tap the contact(s) you want to add.
4. Tap **Done**.

Send an Email to a Group

You can send an email to members of a group.

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the **Groups** tab, and then tap a group.
3. Tap **Menu** > **Send email**.
4. Tap contacts to select them, or tap **Select all**, and then tap **Done**. (You will only see group members that have email addresses in their contact records.)
5. Choose an account and follow the prompts.

Delete a Group

Preset groups, such as Family, cannot be deleted.

1. From the Home screen, tap **Apps** > **Contacts**.
2. Tap the **Groups** tab.
3. Tap **Menu** > **Delete groups**.
4. Select groups to delete and tap **Done**.

Calculator

The Calculator provides basic and advanced arithmetic functions.

Basic Operation

1. From the Home screen, tap **Apps** > **Calculator**.
2. Enter the first number using the numeric keys.
3. Tap the appropriate arithmetic function key.
4. Enter the next number.
5. To view the result, tap the = (equals) key.

Additional Functions

- Tap **Clear**.
- To clear the calculator history, tap **Menu** > **Clear history**.
- To copy all or part of the calculation to the clipboard, touch and hold an entry in the display field.

Scientific Calculator

Turn the device landscape to use advanced arithmetic functions, such as *sin*, *cos*, and *tan*.

Calendar

Manage your events and tasks.

Create an Event or Task

1. From the Home screen, tap **Apps** > **Calendar**.
2. Tap **Add** and use one of the following methods:
   - **Event**: Enter an event with an optional repeat setting.
   - **Task**: Enter a task with an optional priority setting.
3. Enter details for the event or task, and then tap **Done**.

Delete an Event or Tasks

1. From the Home screen, tap **Apps** > **Calendar**.
2. Tap to view an event or task. Tap **Menu** > **Delete**.

   – or –

   To delete multiple events or tasks, tap **Menu** > **Delete**, select events or tasks, and then tap **Delete**.

Sharing Events

1. From the Home screen, tap **Apps** > **Calendar**.
2. Tap to view an event or task. Tap **Menu** > **Share via**, select a sharing method, and follow the prompts.

Clock

The Clock app offers features for keeping track of time and setting alarms.

1. From the Home screen, tap **Apps** > **Clock**.
2. Tap a tab to use a feature:
   - **Alarm**: This feature allows you to set an alarm to ring at a specific time.
   - **World clock**: allows you to view the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.
   - **Stopwatch**: You can use this option to measure intervals of time.
   - **Timer**: You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

Create an Alarm

Create an alarm event. You can set one-time or recurring alarms, and choose options for how to be notified.

1. From the Home screen, tap **Apps** > **Clock**.
2. Tap **Menu** > **Create alarm**, to configure:
   - **Time**: Choose a time for the alarm.
   - **Days**: Choose the days to use this alarm.
   - **Repeat weekly**: When enabled, the alarm repeats every week.
   - **Alarm type**: Choose whether the alarm will use sound, vibration, or vibration and sound to alert you.
   - **Alarm tone**: If you have chosen an alarm type that includes sound, choose a sound to play for the alarm.
   - **Volume**: If you have chosen an alarm type that includes sound, drag the slider to set the volume of the alarm.
   - **Smart alarm**: When on, the alarm will start playing a tone at a low volume at an interval before the alarm time, and slowly increase in volume. Choose a time interval and a tone to use with smart alarm. Available when you have chosen an alarm type that includes sound.
   - **Name**: Enter a name for the alarm.
3. Tap **Save**.

Delete an Alarm

1. From the Home screen, tap **Apps** > **Clock**.
2. Touch and hold an alarm, and then tap **Delete**.

Gallery

View, edit, and manage pictures and videos.

Viewing Images

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

1. From the Home screen, tap **Apps** > **Gallery**.
2. Tap a folder to open it.
   - Tap an image or video to view it in full screen. Scroll left or right to view the next or previous image.

Zooming In and Out

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

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

Playing Videos

1. From the Home screen, tap **Apps** > **Gallery**.
2. Tap a folder to open it.
3. Tap a video to view it.

Trimming Segments of a Video

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

Editing Images

► While viewing an image, tap **Menu** for the following functions:

- **Edit**: Use basic tools to edit your photo.
- **More info**: View image details.
- **Copy to clipboard**: Place a copy on the clipboard.
- **Studio**: Edit your photo with advanced tools.
- **Rotate left**: Rotate counter-clockwise.
- **Rotate right**: Rotate clockwise.
- **Crop**: Resize the frame to crop and save the image in it.
- **Rename**: Rename the file.
- **Slideshow**: Start a slideshow with the images in the current folder.
- **Set as**: Set the image as wallpaper or a contact image.
- **Print**: Print the image via a USB or Wi-Fi connection. Some printers may not be compatible with the device.
- **Settings**: Change the Gallery settings.

Deleting Images

1. From the Home screen, tap **Apps** > **Gallery**.
2. Tap a folder to open it.
3. In a folder, tap **Menu** > **Delete**, select images, and then tap **Done**.

   – or –

   When viewing an image full screen, tap **Delete**.

Sharing Images

Use one of the following methods:

1. From the Home screen, tap **Apps** > **Gallery**.
2. Tap a folder to open it.
3. In a folder, tap **Menu** > **Select**, select images, and then tap **Share** to send them to others or share them via social network services.

   – or –

   When viewing an image full screen, tap **Share** to send it to others or share it via social network services.

Internet

Access to the Internet with a fully featured web browser.

Access the Internet

► From the Home screen, tap **Apps** > **Internet**.

Command Keys

► Tap **Back** or **Back** key to return to the previous page.

► Tap **Forward** to go forward to a recent page.

► Tap **Home** to display your Internet Home screen.

► Tap Refresh to reload the current page.

Viewing Web Site

► To view a web site, tap the address field, enter the web address, and then tap Go.

- To share, save, or print the current web page, tap **Menu**.
- Tap the screen twice to zoom in or out. Or pinch the screen to zoom out and stretch the screen to zoom in.

Browser Tabs

Use tabs to view multiple web pages at the same time.

► To open a new tab, tap **Menu** > **New tab**.

- Tap a different tab to view it.
- To close a tab, tap **Close**.

Bookmarks

► To bookmark the current web page, tap **Bookmark** > **Add**.

► To open a bookmarked web page, tap **Bookmark** and tap an entry.

History

► Tap **Bookmark** > **History** tab to view a list of recently visited web pages.

Saved Pages

► To save a web page, tap **Menu** > **Save page**.

► Tap **Bookmark** > **Saved** tab to view a list of saved web pages

Sharing Pages

► To share a web page address with others, tap **Menu** > **Share via** and follow the prompts.

Incognito Tabs

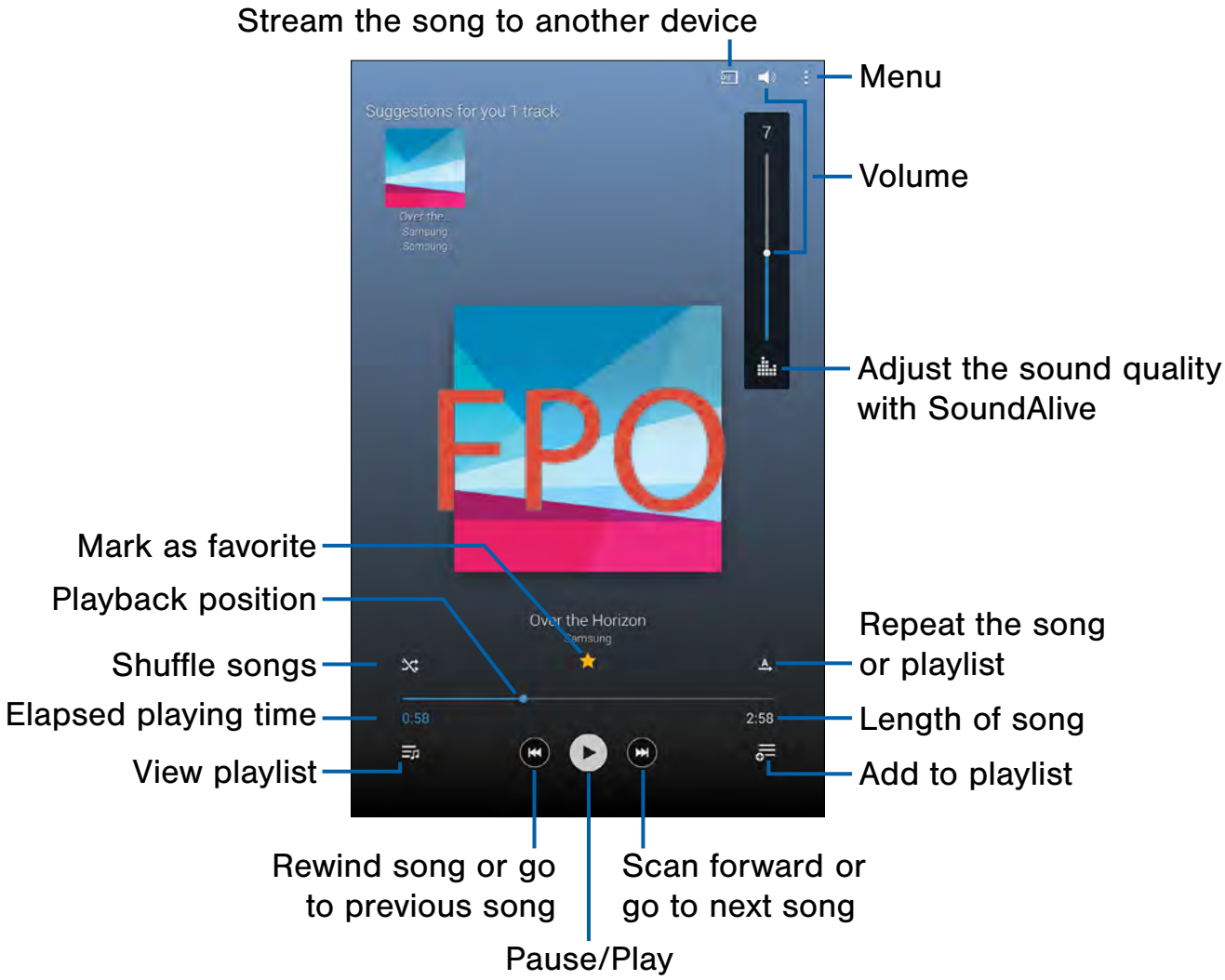
Pages viewed with incognito tabs do not appear within your browser history or search history, and leave no traces (such as cookies) on your device.

Note: Any downloaded files will remain on your device after you close the incognito tab.

Incognito tabs display **Incognito** on their tab.

► To open a new incognito tab, tap **Menu** > **New incognito tab**.

Music Player



Listen to your favorite songs with Music Player. Navigate through your music library, play songs, and create customized playlists.

Listen to Music

1. From the Home screen, tap **Apps** > **Music.**
2. Tap a library category at the top of the screen to view your music files.
3. Scroll through the list of songs and tap an entry to begin playback.

My Files

Access files stored on your device, including images, videos, songs, and sound clips.

View Files

Files stored in the device are sorted into groups:

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

1. From the Home screen, tap **Apps** > **My Files**.
2. Select a group, and then tap a file or folder to open it.

Group Options

► After selecting a group, tap **Menu** for options:

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

File Options

– Tap **Menu** > **Select**, select a file or folder, and then use one of these functions:

Share via: Send files to others or share them.

Delete: Delete files or folders.

Move: Move files or folders to another folder.

Copy: Copy files or folders to another folder.

Tap **Menu** for additional options:

- **Go to folder**: Go to the folder in which the file resides.
- **Rename**: Rename a file or folder.
- **Add shortcut to home**: Add a shortcut to a file or folder to the Home screen.
- **Details**: View file or folder details.

Additional Functions

► Tap **Search**, and then enter search criteria.

► Tap **Storage** to view memory information for your device and memory card (not included).

► Tap **View** to change the view mode.

► Tap **Create folder** and enter a name for the new folder.

Add Shortcuts to Folders

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

► Select a folder and tap **Menu** > **Add to Favorite folders**.

S Voice

Speak commands to perform operations on your device, and to speak criteria for searches and other operations.

Use S Voice to find everything from directions to trivia answers to the current weather forecast.

1. From the Home screen, tap **Apps** > **S Voice**.
2. Speak a command.
3. Tap the microphone icon if the device does not hear you, or to give it another command.

Tip: Tap **Menu** for example commands and to view a tutorial.

Video

Play videos stored on your device.

1. From the Home screen, tap **Apps** > **Video**.
2. Scroll through the videos stored on your device. After a few seconds, each video thumbnail begins playing a preview of the clip.
3. Tap a video to view it.

Use Pop-Up Play

Multi task with Pop-Up Play—transform your video player into a pop-up window. The video will continue to play, and the pop-up window can be resized or moved anywhere on the screen.

1. From the Home screen, tap **Apps** > **Video**.
2. Tap a video to view it.
3. Tap to continue playing the video in a floating window.
   - Drag the window to any location on the screen.
   - Use two fingers to pinch or spread to resize the floating window.

Settings

Configure your device's connections and settings, add accounts, and customize the home screen, apps, and features.

- Some options are enabled or disabled by touching the **ON/OFF** button to turn the option ON or OFF .
- For some options, you must tap a field, such as **Email address**, to display and set options.
- Some options are enabled or disabled by touching a checkbox. When enabled, a check mark displays. Tap the check mark to remove it and disable the option.

Accessing Settings

► From the Home screen, tap **Apps** > **Settings**.

– or –

From the Home screen, drag down from the Status bar to display the Notification panel, and then tap **Settings**.

Wi-Fi and Wi-Fi Direct

Wi-Fi is a term used for certain types of Wireless Local Area Networks (WLAN). Wi-Fi communication requires access to a Wireless Access Point (WAP).

Wi-Fi Direct creates a direct connection between two or more devices using Wi-Fi.

Turning Wi-Fi On or Off

Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **Wi-Fi**, and then tap the **ON/OFF** switch beside Wi-Fi to turn Wi-Fi on or off.

Scanning and Connect to a Wi-Fi Network

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **Wi-Fi**, and then tap the network you want to connect to.
   - When you select an open network, you are automatically connected to the network.
   - Enter a wireless password if necessary.

Manually Connect to a Wi-Fi Network

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **Wi-Fi** > **Add Wi-Fi network**.
3. Enter information about the Wi-Fi network:
   - Tap **Network SSID** to enter the name of the Wi-Fi network.
   - Tap the **Security field** and select a security option. This must match the current security setting on your target WAP. If secured, you will also need to enter your WAP's password.
   - Tap **Show advanced options**, if you need to add advanced options such as Proxy settings, IP settings, or Key management.
4. Tap **Connect** to store the new information and connect to your target WAP.

Wi-Fi Status Indicators

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

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

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

Displays when connected to another device using Wi-Fi Direct. For more information, see "Wi-Fi Direct" on page 41.

Wi-Fi Settings

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

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **ON/OFF** to turn on Wi-Fi.
3. Tap **Menu** for options:
   - **Advanced**:
     - **Network notification**: Receive a notification when new Wireless Access Points (WAPs) are available.
     - **Passpoint**: Connect to passpoint-enabled Wi-Fi Access Points automatically. Tap to enable Passpoint. Tap Passpoint to see other available Passpoint-enabled Wi-Fi APs.
     - **Sort by**: Sort Wi-Fi networks by Alphabet or Signal strength.
     - **Keep Wi-Fi on during sleep**: Specify when to disconnect from Wi-Fi.
     - **Always allow scanning**: Allow Google location service and other apps to scan for networks, even when Wi-Fi is turned off.
     - **Wi-Fi timer**: Specify the Starting time and the Ending time for Wi-Fi to be automatically connected.
     - **Install certificates**: Install authentication certificates.
   - **MAC address**: View your device's MAC address, which is required when connecting to some secured networks (not configurable).
   - **IP address**: View your device's IP address (not configurable).
   - **WPS push button**: Set up a connection to a WPS (Wi-Fi Protected Setup) router or other equipment.
   - **WPS PIN entry**: View the PIN used by your tablet to set up a PIN-secured connection to a Wi-Fi router or other equipment (not configurable).
   - **Help**: Learn about setting up and using Wi-Fi networks, and other settings.

Wi-Fi Direct

Wi-Fi Direct allows direct device-to-device connections via Wi-Fi, without having to connect to a Wi-Fi network.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **Wi-Fi**, and then tap the **ON/OFF** switch beside Wi-Fi to turn Wi-Fi on. Wi-Fi must be on to configure settings.
3. Tap **Menu** > **Wi-Fi Direct**. Your device automatically scans for nearby Wi-Fi Direct devices, or you can tap **Scan** to start scanning.
4. After scanning for devices, select a device, and then follow the prompts to complete the connection.

   – or –

   Tap **Menu** > **Multi connect** to scan for devices that support multi connect. Select the devices and follow the prompts to establish the connections.

Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car Bluetooth systems, and Bluetooth-enabled computers, printers, and wireless devices.

Note: The Bluetooth communication range is approximately 30 feet.

Turning Bluetooth On and Off

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **Bluetooth**, and then tap the **ON/OFF** switch to turn Bluetooth on or off.

Changing Your Device's Name

Device names are used to identify devices during pairing, and when using Wi-Fi Direct or other Wi-Fi based features. This is the name others will use when pairing with your device via Bluetooth.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **Bluetooth** > **Menu** > **Rename device**.
3. Tap **Device name**, and use the keyboard to edit your device name.

Making Your Device Visible to Other Bluetooth Devices

When you make your device visible, other Bluetooth can find it in a scan and initiate pairing. You can choose the length of time your device remains visible.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **Bluetooth** > **Menu** > **Visibility timeout**.
3. Select a time period for your device to remain visible after you turn on visibility.

Reviewing Files Received via Bluetooth

When you receive files from another device via Bluetooth, you can access them from Bluetooth settings.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **Bluetooth** > **Menu** > **Received files**.

Scan for Bluetooth Devices

When you want to pair with another Bluetooth device, you can scan for nearby devices that are visible.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **Bluetooth**, and then tap the **ON/OFF** switch to turn on Bluetooth.
3. Tap **Scan**. Nearby devices display on the screen.

Pair Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device.

Pairing between two Bluetooth devices is a one-time process. Once a pairing is created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
2. Tap **Bluetooth**, and then tap the **ON/OFF** switch to turn on Bluetooth.
3. Make sure that the target device is discoverable, so that your device can find it. Refer to the instructions that came with the device to find out how to set it to discoverable mode.
4. Tap **Scan**. Your device will start to scan for Bluetooth devices within range.
5. When you see the name of the target device displayed in the Bluetooth devices section, tap the name. Your phone then automatically tries to pair with the target device. If automatic pairing fails, enter the passcode supplied with the target device.

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

Disconnect a Paired Device

Disconnecting a paired device breaks the connection between the device and your device, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab.
1. Tap the previously paired device.
2. Tap **OK** to confirm disconnection.

Delete a Paired Device (Unpairing)

When you unpair from a Bluetooth device, the two devices will no longer recognize each other. To connect again, you'd need to pair the devices.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap next to the previously paired device, and then tap **Unpair** to delete the paired device.

Airplane Mode

Airplane mode disconnects your device from all networks and turns off connectivity features, such as Wi-Fi and Bluetooth.

While in airplane mode, you can use other features, such as playing music, watching videos, or other applications.

1. From the Home screen, tap **Apps** > **Settings**.
2. Tap **Airplane mode**, and then tap the **ON/OFF** switch to enable or disable the option.

Note: You can also control Airplane mode from the Device options menu. Press and hold the **Power/Lock** key, and then tap Airplane mode.

Data Usage

Monitor your mobile data usage.

Note: Your service provider may account for data usage differently.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab > **Data usage** for options:
   - **Mobile data**: Enable mobile data. You can also control Mobile Data at the Notification panel.
   - **Limit mobile data usage**: When enabled, your mobile data connection will be disabled when the specified limit is reached. Drag the red limit line to set the data usage limit.
   - **Alert me about data usage**: Receive an alert when mobile data usage reaches the warning limit you set. Drag the orange warning line to set the data usage warning limit.
   - **Data usage cycle**: Tap the menu, and then choose a time period for data usage. Data usage for the period displays on the graph, along with usage by application below.
2. Tap **Menu** for other options:
   - **Auto sync data**: When enabled, your device will synchronize with accounts automatically, at any time.
   - **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.

Location Services

Some apps, such as Google maps, may require one or more location services be turned on for full functionality.

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

Location Reporting

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

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

My Places

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

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab > **Location**.
2. Tap **ON/OFF** to enable Location services.
3. Tap **My places**.
4. Tap a category (Home, Office, or Car) to add a location:
   - Tap **Add** to add additional categories.
   - Tap **Menu** > **Delete** to delete a custom category.
     - Home, Office, and Car cannot be deleted.

Virtual Private Networks (VPN)

Set up and manage Virtual Private Networks (VPNs).

You must set a screen lock PIN or password before setting up a VPN. For more information, see “Lock Screen” on page 54.

Adding a VPN

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab > **VPN**.
2. Tap **Add** and follow the prompts to set up your VPN.

Connect to a VPN

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab > **VPN**.
2. Tap the VPN, enter your log in information, and tap Connect.

Edit or Delete a VPN

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab > **VPN**.
2. Touch and hold the VPN that you want to edit or delete.

Ethernet Connections

Manage your Ethernet connections.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab > **Ethernet**.
2. Tap **Ethernet** and follow the prompts to connect to an ethernet network.

Nearby Devices

Share your media files with nearby devices via Wi-Fi.

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

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab > **Nearby devices**.
2. Tap **ON/OFF** to enable Nearby devices.
3. Set the following options:
   - **Content to share**: Select the content to share. Choices are: Videos, Photos, and Music.
   - **Allowed devices**: Indicate the devices accessible to your device.
   - **Denied devices**: Indicate the devices not accessible to your device.
   - **Download to**: Set whether to download data to Device or SD card.
   - **Receive files from other devices**: If a nearby device attempts to upload data, this setting indicates the response.

Printing

Print to Samsung and other printers (not included).

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab > **Printing**.
2. Tap a print service and follow the prompts.

Note: Tap **+ Download plug-in** to install additional print service drivers.

Screen Mirroring

Share your device's screen with another device.

1. From the Home screen, tap **Apps** > **Settings** > **Connections** tab > **Screen Mirroring**.
2. Tap **ON/OFF** to enable Screen Mirroring. Available devices are listed.
   - Tap **Scan** to find more devices.
3. Tap a device and follow the prompts to connect.

Sound Settings

Configure the sounds and vibrations used to indicate notifications, screen touches, and other activities.

Change the Sound Mode

You can switch between sound modes, while preserving the individual sound settings you've made.

Tip: Sound modes are also available from the Device options menu. Press and hold the **Power/Lock** key, and then choose Mute, Vibrate, or Sound from the Device options.

1. From the Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Sound mode**, and then choose a mode:
   - **Sound**: Your device uses the sounds, vibrations, and volume levels you've chosen in Sound settings for notifications and alerts.
   - **Vibrate**: Your device vibrates for notifications and alerts. This uses the Vibration intensity you choose in Sound settings.
   - **Mute**: Your device plays no sounds or vibrations. On-screen reminders will still occur.

Adjust the Volume

Set the system volume level, and set default volume for call ringtones, notifications, and other media.

Tip: You can also set System volume from the home screen by pressing the **Volume** key.

1. From the Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Volume**, and then drag the sliders to set the default volume for:
   - Music, video, games, and other media
   - Notifications
   - System

Set the Vibration Intensity

Set the level for vibration to accompany ringtones, notifications, and feedback for your screen touches, also known as haptic feedback.

1. From the Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Vibration intensity**, and then drag the sliders to set the vibration intensity for:
   - Notifications
   - Haptic feedback

Change the Notifications Sound

Choose a sound for notifications, such as for new messages and event reminders.

1. From the Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Notifications** to choose a sound.
   - Tap a sound to play a sample and select it.

Play Tap Sounds

Play tones when you tap or tap the screen to make selections.

1. From the Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Tap sounds** to enable.

Set the Screen Lock Sound

Play a sound when you unlock the screen.

1. From the Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Screen lock sound** to enable.

Use Haptic Feedback

Set the device to vibrate when you tap the Menu and Recent apps keys, and for certain screen interactions.

1. From the Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Haptic feedback** to enable.

Set Notification Sounds for Samsung Applications

Set your applications' notification sound settings.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. The following options are available:
   - **Email**: Tap an account to adjust its notification settings.
   - **Calendar**: Configure your event notifications.

Set Samsung Keyboard Sounds

Set the keyboard sounds.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. The following options are available:
   - **Sound when tapped**: Play a tone when you tap an onscreen key.
   - **Vibrate when tapped**: Vibrate when you tap an onscreen key.

Display Settings

Change the Font Style and Size

You can set the font style and size for all text that displays on the screen.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Font** to choose a Font style and Font size.
   - Tap **Download** to find new fonts from the Google Play Store.

Adjust the Screen Brightness

Adjust the screen brightness to suit your surroundings, or to your personal preference. You may also want to adjust screen brightness to conserve battery power.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Brightness** for options:
   - Tap **Automatic brightness** to allow the device to adjust brightness automatically.
   - To set a custom brightness level, clear the Automatic brightness check mark and then tap and drag the **Brightness level**.

Note: You can also control Brightness from the Notification panel. Drag down the Status bar at the top of the screen to find the Brightness options.

Smart Stay

Using the front camera to detect your face, the screen will not time out as long as you are facing the screen.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Display** > **Smart stay** to enable.

Set the Screen Timeout Delay

Choose how long the display screen remains lit after you tap the screen or press any key.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Display** > **Screen timeout**, and then choose a time period.

Select a Screen Mode

Choose a screen mode to match your type of viewing. You can choose to have the device automatically adapt the display depending on the type of image being displayed, and other criteria such as battery level.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Display** > **Screen mode**, and then choose a screen mode.
   - To have your device automatically optimize the display to match the type of image being displayed and other criteria, such as battery level, tap **Adaptive display**.
   - To choose a specify type of display, enable **AMOLED cinema**, **AMOLED photo**, or **Basic**.

Reading Mode

Optimize the screen for reading with selected applications.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Display** > **Reading mode**.
3. Tap **ON/OFF** to enable.
4. Tap **Edit** to select additional applications for use with Reading mode.

Auto Adjust the Screen Tone

Your device will analyze the images displayed on the screen and automatically adjusts the brightness to conserve battery power.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Display** > **Auto adjust screen tone** to enable.

Daydream (Screen Saver)

The Daydream setting controls what the screen displays when the device is docked (dock not included), or while charging. You can choose to display colors, or display photos stored on your device.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Display** > **Daydream**. Tap **ON/OFF** to turn Daydream on. Configure options:
   - **Colors**: Tap the selector to display a changing screen of colors.
   - **Desk home screen**: Select items to display while the device is docked.
   - **Flipboard**: Display pictures from Flipboard. Tap **Settings** for options.
   - **Google Photos**: Display pictures from your Google Photos account. Tap **Settings** for options.
   - **Photo frame**: Display pictures in a photo frame. Tap **Settings** for options.
   - **Photo table**: Display pictures in a photo table. Tap **Settings** for options.
   - Tap **Preview** to see a demonstration of Daydream.

Set the Tap Key Light Duration

Set the length of time the **Recent apps key** and **Back key** remain lit after you tap them.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Display** > **Tap key light duration** to choose a timeout period.

Increase the Tap Sensitivity of the Screen

When enabled, the sensitivity of the tap screen is increased, to improve results when using an optional tap pen (not included), or when wearing gloves.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Display** > **Increase tap sensitivity** to enable.

Wallpaper

Display photos or images on the Home Screen, Lock screen, or on both the Home and Lock screens.

Choose from preloaded wallpapers, or select a photo you have downloaded or taken with the Camera.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Wallpapers**.
3. Tap **Home Screen**, **Lock screen**, or **Home and lock screens**.
4. Tap a image to preview it, and then tap **Set wallpaper**.
   - Tap **More images** for additional wallpapers.

Lock Screen

Choose settings for unlocking your screen.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Screen lock** to select a screen lock and level of security:
   - **Swipe**: Swipe the screen to unlock it. This option provides no security.
   - **Pattern**: A screen unlock pattern is a tap gesture you create and use to unlock your device. This option provides medium security.
   - **Fingerprint**: Use fingerprint recognition to unlock the screen. This option provides medium to high security.
   - **PIN**: Select a PIN to use for unlocking the screen. This option provides medium to high security.
   - **Password**: Create a password for unlocking the screen. This option provides high security.
   - **None**: Do not lock the screen.

Swipe Options

These options are available when Swipe is selected:

- **Lock screen card**: Display up-to-date information on your lock screen.
- **Clock widget options**: Set the size of the Clock widget that is displayed on your Home screens, and whether to show the date.
- **Shortcuts**: Set shortcuts to appear on the Lock screen.
- **Owner Information**: Show owner information on the lock screen.
- **Unlock effect**: Set the visual effect used when unlocking the screen.
- **Help text**: Show help information on unlocking the screen on the Lock screen.

Pattern Options

These options are available when Pattern is selected:

- **Lock screen card**: Display up-to-date information on your lock screen.
- **Pattern type**: Select a pattern type.
- **Clock widget options**: Set the size of the Clock widget that is displayed on your Home screens, and whether to show the date.
- **Owner Information**: Show owner information on the lock screen.
- **Make pattern visible**: See the pattern as you draw it.
- **Vibration feedback**: Vibrate when the unlock pattern is entered incorrectly.
- **Lock automatically**: Set how quickly to lock the screen after the screen automatically turns off.
- **Lock instantly with power** key: Use this option to enable the Lock screen when the Power Key is pressed. If this option is not enabled, the screen dims or brightens when the Power Key is pressed.

Fingerprint Options

These options are available when Fingerprint is selected:

- **Lock screen card**: Display up-to-date information on your lock screen.
- **Clock widget options**: Set the size of the Clock widget that is displayed on your Home screens, and whether to show the date.
- **Owner Information**: Show owner information on the lock screen.
- **Lock automatically**: Set how quickly to lock the screen after the screen automatically turns off.
- **Lock instantly with power key**: Use this option to enable the Lock screen when the Power Key is pressed. If this option is not enabled, the screen dims or brightens when the Power Key is pressed.

PIN Options

These options are available when PIN is selected:

- **Lock screen card**: Display up-to-date information on your lock screen.
- **Clock widget options**: Set the size of the Clock widget that is displayed on your Home screens, and whether to show the date.
- **Owner Information**: Show owner information on the lock screen.
- **Lock automatically**: Set how quickly to lock the screen after the screen automatically turns off.
- **Lock instantly with power key**: Use this option to enable the Lock screen when the Power Key is pressed. If this option is not enabled, the screen dims or brightens when the Power Key is pressed.

Password Options

These options are available when Password is selected:

- **Lock screen card**: Display up-to-date information on your lock screen.
- **Clock widget options**: Set the size of the Clock widget that is displayed on your Home screens, and whether to show the date.
- **Owner Information**: Show owner information on the lock screen.
- **Lock automatically**: Set how quickly to lock the screen after the screen automatically turns off.
- **Lock instantly with power key**: Use this option to enable the Lock screen when the Power Key is pressed. If this option is not enabled, the screen dims or brightens when the Power Key is pressed.

Multi Window

Turn on the Multi window feature.

For more information, see “Multi Window” on page 15.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Multi window** for options.

Notifications Panel

Customize the Notification Panel.

For more information, see “Notification Panel Settings” on page 14.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Notification panel** for options.

Toolbox

The Toolbox is a floating shortcut menu that displays on every screen, giving you quick access to your favorite apps.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Toolbox**. Tap to enable.
3. Tap to choose up to five apps to display in Toolbox.

Motions

Control certain device actions by touching the screen with the palm of your hand.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Motions**.
3. Tap to enable each of the following:
   - **Mute/pause**: Mute or pause sounds and video by covering the screen or turning over the device.
   - **Palm swipe to capture**: Capture an image of the screen when you sweep your hand left or right across the screen.

Accessibility

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

Note: You can download additional accessibility applications from the Google Play Store.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Accessibility** for options:

Vision

- **TalkBack**: Speak feedback aloud to help blind and low-vision users.
  - TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.
- **Dark screen**: Keep the screen turned off at all times for privacy.
- **Rapid key input**: Release your finger to enter selection instead of double tapping.
- **Speak passwords**: Read the characters aloud as you enter a password.
- **Font size**: Set the font size.
- **Magnification gestures**: Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
- **Notification reminder**: Play a beep when a notification for a call, message, and so on, has been missed.
- **Negative colors**: Reverse the display of onscreen colors from White text on a Black background to Black text on a White background.
- **Color adjustment**: Adjust the color of the screen if you are color blind or have difficulty reading the display because of the screen color. Tap **Color adjustment** for options.
- **Accessibility shortcut**: Quickly enable accessibility features in two quick steps. Tap to enable.
- **Text-to-speech options**: Set your preferred TTS engine and options. For more information, see “Text-To-Speech Options” on page 66.

Hearing

- **Flash notification**: Set your camera light to blink whenever you receive a notification.
- **Turn off all sounds**: Turn off all sounds including receiver voice.
- **Samsung subtitles (CC)**: Use Samsung subtitles with multimedia files when available Tap Samsung subtitles (CC) for options.
- **Google subtitles (CC)**: Use Google subtitles with multimedia files when available. Tap Google subtitles (CC) for options.
- **Sound balance**: Use the slider to set the Left and Right balance when using a stereo device.
- **Mono audio**: Switch audio from stero to mono for use with one earphone.

Dexterity and Interaction

- **Assistant menu**: Improve the device accessibility for users with reduced dexterity.
- **Press and hold delay**: Select a time interval for this tap gesture.
- **Interaction control**: Enable motions and screen timeout. You can also block areas of the screen from tap interaction.

Accessibility (cont.)

More Settings

- **Direct Access**: Open your accessibility settings by pressing the Home Key three times in quick succession.
- **Single tap mode**: Tap to stop/snooze alarms and calendar events.
- **Manage accessibility**: Export your accessibility settings and share them with another device.

Blocking Mode

Turn off notifications for selected features.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Blocking mode**. Tap **ON/OFF** to enable.
3. Configure options:
   - Tap **Turn off notifications** to block all notifications.
   - Tap **Turn off alarm** to block all alarms.
   - The Set time option allows you to set Blocking mode for a specific time range or always.
     - Tap the **Always** field to disable it and configure the **From** and **To** time fields.

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

Users

Share this tablet with multiple people by creating User accounts.

Users have their own space, which they can customize with their own apps, wallpaper, and so on. Users can also adjust tablet settings like Wi-Fi which affect everyone.

Restricted profiles allow only limited access to apps and content.

Set Up User Profiles

Set up user profiles and then select one when unlocking the device to use personalized settings.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Users**. Follow the onscreen instructions to set up a new user profile.

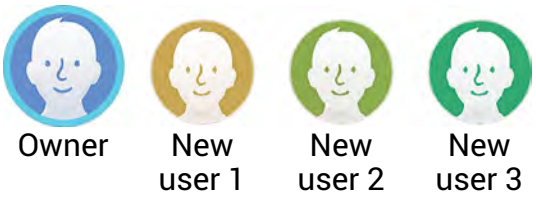
Deleting a User or Profile

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Users**.
3. Tap **Delete** next to a User profile to delete it.

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

Use User Profiles

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



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

Change User Account Nicknames and Photo IDs

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

To change their ID photo and name, each user can edit their personal Contact entry. For more information, see “Edit a Contact” on page 28.

Private Mode

Hide personal content from being accessed by anyone else using your device.

Private mode is only available for certain applications.

Note: A secure screen lock (Pattern, PIN, Fingerprint, or Password) is required to use Private Mode.

Set Up Private Mode

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Tap **Private mode**.
3. Follow the prompts to learn about and set up Private mode.

Fingerprint Scanner

Use fingerprint recognition as an alternative to entering passwords in certain apps.

1. From the Home screen, tap **Apps** > **Settings** > **Device** tab.
2. Configure options:
   - **Fingerprint manager**: Register up to three fingerprints.
   - **Change alternative password**: Modify the password you set to back up your fingerprints.
   - **Screen lock**: Select a screen lock.
   - **Verify Samsung account**: Choose to verify your identity using your fingerprints when logging in to your Samsung account.

Accounts

Set up and manage accounts, including your Google Account, Samsung account, email, and social networking accounts.

Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Add an Account

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Accounts** > **Add account**.
3. Tap one of the account types.
4. Follow the prompts to enter your credentials and set up the account.

Syncronize Accounts

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Accounts** > (Account Type).
3. Tap an account to view the sync settings for that account.
   - Check individual data items to sync.
   - Tap **Sync** to synchronize the account.

Delete an Account

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Accounts** > (Account Type).
3. Tap the account, and then tap to delete.

Cloud

Back up your personal data using your Samsung Account or Dropbox.

Using Your Samsung Account

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Cloud**.
3. Tap your Samsung account to manage your sync settings and backup options.
   - If you have not signed in to your Samsung Account, tap **Add Samsung account**.
   - Tap Storage usage to show the storage used and remaining storage available.
   - Tap Sync settings to select which data to sync.
   - Tap **Backup** to manage your back up and restore options.
   - Tap **Restore** to retrieve data from your Samsung account.

Using Your Dropbox Account

For more information about Dropbox, visit dropbox.com.

1. From the Home screen, t tap ap **Apps** > **Settings** > **General** tab.
2. Tap **Cloud**.
3. Tap your Dropbox account to manage your sync settings and backup options.
   - If you have not signed in to your Dropbox account, tap **Link Dropbox account**.
   - Follow the prompts to set up and use Dropbox.

Backup and Reset

Back up your data to Google servers. You can also reset your device to its factory defaults.

Backup and Restore

Enable backup of your information to Google servers.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Backup and reset** for options:
   - **Back up my data**: Enable back up of application data, Wi-Fi passwords, and other settings to Google servers.
   - **Backup account**: Select a Google account to be used as your backup account.
   - **Automatic restore**: Enable automatic restoration of settings from Google servers. When enabled, backed-up settings are restored when you reinstall an application.

Factory Data Reset

Return your device to its factory defaults.

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

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Backup and reset** > **Factory data reset**.
3. Tap **Reset device** and follow the prompts to perform the reset.

Language and Input Settings

Configure your device's language and input settings.

Set Your Default Language

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Language and input** > **Language**.
3. Select a language from the list.

Select Your Default Keyboard or Input Method

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Language and input** > **Default**.
3. Select a keyboard.

Note: Samsung keyboard is the default keyboard for this device. Additional keyboards can be downloaded from the Google Play Store.

Samsung Keyboard Settings

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Language and input**.
3. Tap next to Samsung keyboard for options:
   - **Select input languages**: Choose which languages are available on the keyboard. To switch between languages, slide the space bar sideways.
   - **Predictive text**: Allow Predictive text to suggest words matching your text entries, and, optionally, complete common words automatically. Predictive text can learn your personal writing style from your Contacts, Messages, Gmail, and social networking sites—improving its accuracy of predicting your text entries.
   - Additional keyboard settings provide assistance with capitalization, punctuation, and much more.

Google Voice Typing Settings

Speak rather than typ your text entries using Google Voice Typing.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Language and input**.
3. Tap the checkbox next to Google voice typing to enable it.
4. Tap next to Google voice typing for options:
   - **Choose input languages**: Select languages for Google voice typing.
   - **Block offensive words**: Hide words many people find offensive are in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
   - **Offline speech recognition**: Download and install speech recognition engines, allowing you to use voice input while not connected to the network.

Voice Search

Use Google voice recognition to perform Google searchs.

To perform a voice search, tap in the Google search bar or widget. Or say “Ok Google” to launch a Google search (if the hotword detection option is enabled).

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Language and input** > **Voice search** for options.

Text-To-Speech Options

Configure your text-to-speech options.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Language and input** > **Text-to-speech** for options:
   - Select between the Samsang and Goggle text-to-speech engines. Tap next to each TTS engine for options.
   - **Speech rate**: Set the speed at which the text is spoken.
   - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
   - **Default language status**: Display the default language in use.

Mouse/Trackpad Settings

Configure settings for using an optional mouse or trackpad (not included).

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Language and input** for options:
   - **Mouseover**: Show more information when you move the pointer over items on the screen.
     - **Preview and icons labels**: Show previews, progress information, speed dial information and icon labels.
     - **List scrolling**: Scroll down or up lists by holding the mouse pointer over the edge of the screen.
   - **Pointer speed**: Set the speed of the pointer.

Date and Time Settings

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 and time settings.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Date and time**.
3. Set the date, time, time zone, time format, and date format.

Accessories

Configure options when docking (dock not inclued) or using a book cover (not inclued).

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Accessories** for options:
   - **Audio output**: Select a sound output format to use when connecting your device to optional HDMI devices (not included). Some devices may not support the surround sound setting.
   - **Automatic unlock**: Flip the cover open to unlock the screen when secure lock is turned off.

Battery

View how battery power is used for device activities.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Battery** for options:
   - **Show battery percentage**: Display the battery charge percentage next to the battery icon on the Status bar.
   - **Battery Chart**: The battery level displays as a percentage. The amount of time the battery has been used also displays.
   - **Apps and OS Usage**: Battery usage displays in percentages per application.
     - Tap **Screen**, **Android System**, **Android OS**, or an app to view they are affecting battery use.
   - Tap **Refresh** to update the listing.
   - Tap **Show battery percentage** to display the device battery status next to the battery icon.

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

Power Saving Mode

Conserve battery power by automatically adjusting the screen brightness, limiting the performance of the CPU, and other power reduction activities.

Ultra power saving mode saves even more battery power by using a grayscale theme to your home screen and limiting the number of usable apps.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Power saving mode** for options:
   - **Power saving mode**: Tap **ON/OFF** to enable. Tap **Power saving mode** to select options.
   - **Ultra power saving mode**: Tap **ON/OFF** to enable. Tap **Ultra power saving mode** for options.

Tip: Tap Learn about power saving to display more information about conserving power.

Storage

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

Device Memory

View and manage the memory used by the device.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Storage**.
   - The Device memory displays as Total space, System memory, Used space, Cached data, Miscellaneous files, and Available space.
   - Tap Used space to view the amount of memory used by applications, pictures and videos, audio, and downloads.

Increase Available Memory

- Tap **Cached data** to clear all cached data for all apps.
- Tap **Miscellaneous files**, select unnecessary files (or tap **Select all**), and then tap **Delete**.

Memory Card (SD Card)

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

Install a Memory Card

You can use a microSD or microSDHC card (not included) to add additional memory space to your device.

Your device has been tested to support up to a 64GB memory card.

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

Mount a Memory Card

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

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Storage**.

Unmount an SD Card

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

Unmounting an SD card may stop some applications from functioning until you mount the SD card again.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Storage** > **Tap Unmount SD card**.

Remove a Memory Card

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

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Storage** > **Tap Unmount SD card**.
3. Open the memory card slot cover and turn to expose the slot.
4. Gently press inward on the memory card so that it pops out from the slot, and carefully pull the card out.
5. Close the memory card slot cover.

Formatting an SD Card

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

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Storage** > **Format SD card** and follow the prompts.

Security

Secure your device and protect your data with Security settings.

Encrypt Your Data

Require a numeric PIN or password to decrypt your tablet each time you power it on or encrypt the data on a memory card (not included) each time it is connected.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Security** for options:
   - Tap **Encrypt device** and follow the prompts to encrypt all data on your device.
   - Tap **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

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

Locate a Lost Device

Protect your device from loss or theft allowing your device to be locked, tracked, and for your data to be deleted remotely.

Note: You must sign up for a Samsung account and enable Google location service to use Remote controls.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Security** > **Remote controls** and follow the prompts to set up Remote controls.

Find My Mobile Web Page

To access your device remotely, visit findmymobile.samsung.com.

View Passwords

Display password characters briefly as you type them.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Security** > **Make passwords visible** to enable.

Device Administration

Manage your device administrators and application installation privaleges.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Security** for options:
   - **Device administrators**: Add or remove device administrators.
   - **Unknown sources**: Enable installation of non-Google Play applications.
   - **Verify apps**: Block or warn before installing apps that may cause harm.

Warning: Enabling installation of third-party applications can cause your device and personal data to be more vulnerable to attacks by unknown sources.

Security Update Service

Automatically receive security updates.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Security** for options:
   - **Security policy updates**: Automatically or manually check for security policy updates.
   - **Send security reports**: Send security reports to Samsung via Wi-Fi for threat analysis.

Credential Storage

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

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **Security** for options:
   - **Storage type**: Select a storage location for credential contents.
   - **Trusted credentials**: Display certificates in your device's ROM and other certificates you have installed.
   - **Install from device storage**: Install a new certificate from storage.
   - **Clear credentials**: Erase the credential contents from the device and reset the password.

About Your Device

View information about your device, including status, legal information, hardware and software versions, and a tutorial.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **About device**, and then tap items for more details:
   - **Status**: View the status of the battery, network, and other information.
   - **Legal information**: Display open source licenses, Google legal information, Samsung legal information, Safety information, and Privacy alert.
   - **Report diagnostic info**: Give consent to provide diagnostic and usage data to Samsung to help improve the quality and performance of its products and services.
   - **Device name**: View and change your device's name.
   - View the following device information:
     - Model number
     - Android version
     - Kernel version
     - Build number
     - SE for Android status

Software Update

Use Software update to update your device's software.

1. From the Home screen, tap **Apps** > **Settings** > **General** tab.
2. Tap **About Device** > **Software update** for options:
   - **Update update**: View your current software version. Tap **Check for new software update** to check for available software updates to download and install.
   - **Auto update**: Check for software updates automatically.

Applications

Access settings to your default applications, Contacts, Email, Gallery, Internet, Calendar, and S Voice.

Application Manager

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

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

Memory Usage

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

1. From the Home screen, tap **Apps** > **Settings** > **Applications** tab > **Application manager**.
2. Tap DOWNLOADED, SD CARD, RUNNING, or ALL to display memory usage for that category of applications.

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

Downloaded

Displays apps you have downloaded onto your device.

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

   The following options are displayed:

   - **Force stop**: Stop an app that is misbehaving. Restart your device if stopping an app, process, or service causes your device to stop working correctly.
   - **Uninstall**: Delete the application from the device.
   - **Move to SD card**: Move this app to your microSD card.
   - **Clear data**: Clear application data from memory.
   - **Clear cache**: Clear an application's temporary memory storage.
   - **Clear defaults**: Clear an application's customization.
   - **Permissions**: View information about the application's access to your device and data.

SD Card

Displays apps you have downloaded onto your memory card (not included).

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

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

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

Running Services

View and control services running on your device.

1. From the Home screen, tap **Apps** > **Settings** > **Applications** tab > **Application manager**.
2. Tap the **RUNNING** tab.

   All the applications that are currently running on the device display.

3. Tap **Show cached processes** to display all the cached processes that are running. Tap **Show services in use** to switch back.
4. Tap one of the applications to view application information.

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

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

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

Note: Options vary by application.

Default Applications

Set and manage your default applications.

1. From the Home screen, tap **Apps** > **Settings** > **Applications** tab > **Default Applications**.
2. Tap an app to set it as the default application.

   – or –

   Tap an app to remove it as the default application.

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

Health and Safety and Warranty Guide

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

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TO DOWNLOAD CERTAIN SOFTWARE, SUCH AS CUSTOM OS.

IF YOUR CARRIER PROHIBITS THIS, IF YOU ATTEMPT TO DOWNLOAD SOFTWARE ONTO THE DEVICE WITHOUT AUTHORIZATION, YOU WILL BE NOTIFIED ON THE SCREEN THAT THE PHONE WILL NO LONGER OPERATE AND BE INSTRUCTED TO POWER DOWN THE DEVICE. YOU MUST THEN CONTACT YOUR CARRIER TO RESTORE THE DEVICE TO THE CARRIER AUTHORIZED SETTINGS.

SAFE™ (Samsung Approved For Enterprise)

SAFE™: "SAFE™" (Samsung for Enterprise) is a mark for a Samsung device which has been tested against Samsung's own internal criteria for interoperability with certain third party security-related solutions for MDM and VPN. The testing includes field testing with local network connection and menu tree testing which tests functionality of the solutions in conjunction with the Samsung device. During the testing, the device is tested with the security solutions to see if the solutions work with the device as described by the third party security solution providers. The testing, for example, includes field testing with local network connection and menu tree testing which tests functionality of the

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solutions in conjunction with the Samsung device. For more information about Samsung's SAFE™ program, please refer to www.samsung.com/us/safe.

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www.samsung.com

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Do you have questions about your Samsung Mobile Device?

For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:

www.samsung.com/us/support

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Section 1: Health and Safety Information

This section outlines the safety precautions associated with using your tablet. The terms “tablet”, “device”, or “mobile device” are used in this section to refer to your device. **Read this information before using your mobile device.**

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

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Exposure to Radio Frequency (RF) Signals

Although your device 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 your device 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.

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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.

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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.

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

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

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

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should

go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at: http://seer.cancer.gov/.

Cell Phone Industry Actions

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

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

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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.

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Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell

phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

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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.

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Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 07/01/2014):

- FCC RF Safety Program:
  www.fcc.gov/oet/rfsafety/
- Environmental Protection Agency (EPA):
  www.epa.gov/radtown/wireless-tech.html
- Occupational Safety and Health Administration (OSHA):
  www.osha.gov/SLTC/radiofrequencyradiation/
  (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):
  www.cdc.gov/niosh/
- World Health Organization (WHO):
  www.who.int/peh-emf/en/
- International Commission on Non-Ionizing Radiation Protection:
  www.icnirp.de
- Health Protection Agency:
  www.hpa.org.uk/Topics/Radiation/
- US Food and Drug Administration:
  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.

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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.

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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.

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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 device has a FCC ID number: A3LSMT707V [Model Number: SM-T707V] and the specific SAR levels for this device can be found at the following FCC website: www.fcc.gov/oet/ea/.

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

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information can also be obtained at 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.

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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

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On the Road - Off the Device

The primary responsibility of every driver is the safe operation of his or her vehicle.

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Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or using a mobile device - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle**

which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before using your device to chat with friends, consider your circumstances. Let the chat wait when driving conditions require. Remember, driving comes first, nothing else!

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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.

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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 www.ctia.org.

Battery Use and Safety

The battery in your device is not intended to be replaced by the consumer. If you believe the battery is damaged or needs to be replaced, take the device to a service center for inspection and replacement.

- **Do not let the device or battery come in contact with liquids**. Liquids can get into the device's circuits, leading to corrosion. Even when the device appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the device 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 device or the battery and could cause the device 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 device in your car in high temperatures.

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- **Caution: Some applications or prolonged usage may increase device temperature.** Prolonged skin contact with a device that is hot to the touch may produce skin discomfort or redness, or low-temperature burns. If the device feels hot to the touch, discontinue use and close all applications or turn off the device until it cools. Always ensure that the phone has adequate ventilation and air flow. Covering the device with bedding, your body, thick clothing or any other materials that significantly affect air flow may affect the performance of the device and poses a possible risk of fire or explosion, which could lead to serious bodily injuries or damage to property.
- **Do not dispose of the device or the battery in a fire**. The device or the battery may explode when overheated.
- **Avoid dropping the device** Dropping the device, especially on a hard surface, can potentially cause damage to the device. If you suspect damage to the device 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 device.

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 device 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.

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- **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.

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For more information about recycling your device, go to: http://mobile.samsungusa.com/recycling/index.jsp or call 1-800-822-8837.

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.

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DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

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FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

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GPS-AGPS

Your mobile device 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.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

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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.

Emergency Communication

Your mobile device should not be relied upon for essential communications (medical emergencies, calls to 911, or communications to emergency services). Your mobile device is not designed or intended to be used for such communications. Voice Over Internet Protocol (VOIP) services which may be used on your mobile device to make calls do not support 911 calls and are only intended for talking with friends.

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Navigation

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Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore**, **you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road**

conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.

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.

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Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and Dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution. If the mobile device has a retractable camera lens, do not use soap and water to clean the lens. Use a blower or brush or lens cleaning paper dampened in a lens cleaning solution.

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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

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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.

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- 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.

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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:
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:
www.nidcd.nih.gov/

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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:
www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

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Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

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- 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: 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.

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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

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turn off your vehicle engine. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately, if applicable (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

Restricting Children's Access to Your Mobile Device

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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 make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated.

Cautions

Any changes or modifications to your mobile device not expressly approved by Samsung could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers.

The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

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Other Important Safety Information

- Only qualified personnel should service the mobile device. Faulty service may be dangerous and may invalidate any warranty applicable to the device.

- Ensure that any mobile devices or related equipment used in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

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- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft may be 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.

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- 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. [070114]

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Section 2: Warranty Information

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.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082

Phone: 1-800-SAMSUNG (726-7864)

Phone: 1-888-987-HELP (4357)

Standard Limited Warranty

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What is covered and for how long?

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The warranty period commences 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

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furnished or approved by SAMSUNG, including but not limited to installation of unauthorized software and unauthorized root access, both of which shall void this limited warranty; (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.

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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.

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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.

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What are the limits on SAMSUNG's liability?

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THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY.

IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

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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.

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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.

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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.

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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.

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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.

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This device requires the use of preloaded software in its normal operation. BY USING THE DEVICE OR ITS PRELOADED SOFTWARE, YOU ACCEPT THE TERMS OF THIS EULA. IF YOU DO NOT ACCEPT THESE TERMS, **DO NOT USE** THE DEVICE OR THE SOFTWARE.

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products or devices, and updates and enhancements to any software previously installed (including entirely new versions), (collectively "Update") after the date you obtain your initial copy of the Software to improve the Software and ultimately enhance your user experience with your device. This EULA applies to all and any component of the Update that Samsung may provide to you or make available to you after the date you obtain your initial copy of the Software, unless we provide other terms along with such Update. To use Software provided through Update, you must first be licensed for the Software identified by Samsung as eligible for the Update. After the Update, you may no longer use the Software that formed the basis for your Update eligibility. The updated Software version may add new functions and, in some limited cases, may delete existing functions.

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While the Update will be generally available, in some limited circumstances, the Software updates will only be offered by your network carrier, and such Software updates will be governed by your contractual relationship with your network carrier.

With the "Automatic Update" function enabled (as in the default setting in the Security menu in the Setting), your device downloads some Updates automatically

from time to time. Given the importance of receiving Updates for security software in a timely manner to defend against new threats, such Update may be automatically downloaded and installed. We recommend that you check availability of any new Updates periodically for optimal use of your device. If you want to avoid any use of network data for the Update downloads, then you should choose the "Wi-Fi Only" option in the Setting.

6. Some features of the Software may require your device to have access to the internet and may be subject to restrictions imposed by your network or internet provider. Unless your device is connected to the internet through Wi-Fi connection, the Software will access through your mobile network, which may result in additional charges depending on your payment plan. In addition, your enjoyment of some features of the Software may be affected by the suitability and performance of your device hardware or data access.

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printed materials, any upgrades, this EULA) and you may not retain any copies of the Software. The transfer may not be an indirect transfer, such as a consignment. Prior to the transfer, the end user receiving the Software must agree to all the EULA terms.

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9. **TERMINATION**. This EULA is effective until terminated. Your rights under this License will terminate automatically without notice from Samsung if you fail to comply with any of the terms and conditions of this EULA. Upon termination of this EULA, you must cease all use of the Software and destroy all copies, full or partial, of the Software.

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10. **DISCLAIMER OF WARRANTY**. UNLESS SEPARATELY STATED IN A WRITTEN EXPRESS LIMITED WARRANTY ACCOMPANYING YOUR DEVICE, ALL SOFTWARE PROVIDED BY SAMSUNG WITH THIS MOBILE DEVICE (WHETHER INCLUDED WITH THE DEVICE, DOWNLOADED, OR OTHERWISE OBTAINED) IS

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whatsoever about any of these applications. Since Samsung has no control over such applications, you acknowledge and agree that Samsung is not responsible for the availability of such applications and is not responsible or liable for any content, advertising, products, services, or other materials on or available from such applications. You expressly acknowledge and agree that use of third-party applications is at your sole risk and that the entire risk of unsatisfactory quality, performance, accuracy and effort is with you. It is up to you to take precautions to ensure that whatever you select to use is free of such items as viruses, worms, Trojan horses, and other items of a destructive nature. References on this mobile device to any names, marks, products, or services of any third-parties are provided solely as a convenience to you, and do not constitute or imply an endorsement, sponsorship, or recommendation of, or affiliation with the third-party or its products and services. You agree that Samsung shall not be responsible or liable, directly or indirectly, for any damage or loss, including but not limited to any damage to the mobile device or loss of data, caused or alleged to be caused by, or in connection with, use of or reliance on any such third-party content, products, or services available on or through any such application.

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require your consent to their separate terms and conditions and privacy policies. You expressly acknowledge and agree that your use of such applications and services will be subject to the applicable terms and conditions and privacy policies.

13. **LIMITATION OF LIABILITY**. SAMSUNG WILL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND ARISING OUT OF OR RELATING TO THE USE OR THE INABILITY TO USE THE SOFTWARE OR ANY THIRD-PARTY APPLICATION, ITS CONTENT OR FUNCTIONALITY, INCLUDING BUT NOT LIMITED TO DAMAGES CAUSED BY OR RELATED TO ERRORS, OMISSIONS, INTERRUPTIONS, DEFECTS, DELAY IN OPERATION OR TRANSMISSION, COMPUTER VIRUS, FAILURE TO CONNECT, NETWORK CHARGES, IN-APP PURCHASES, AND ALL OTHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. NOTWITHSTANDING THE FOREGOING, SAMSUNG ELECTRONIC CO.'S TOTAL LIABILITY TO YOU FOR ALL

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

16. **DISPUTE RESOLUTION**.

(a) Non-United States residents. If a dispute, controversy or difference arising in any way from this EULA or your use of the Software is not amicably settled, it shall be subject to the non-exclusive jurisdiction of the courts of the jurisdiction where you are a resident. Notwithstanding the foregoing, Samsung may apply for injunctive remedies (or an equivalent type of urgent legal relief) in any jurisdiction.

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(b) United States residents. ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS EULA OR YOUR USE OF THE SOFTWARE SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with any other person's or entity's claim or dispute, and specifically, without limitation of the foregoing, shall not

under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the EULA and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the EULA. For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant Samsung its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and Samsung shall pay

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the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. This arbitration provision also applies to claims against Samsung's employees, representatives and affiliates if any such claim arises from the licensing or use of the Software. You may opt out of this dispute resolution procedure by providing notice to Samsung no later than 30 calendar days from the date of the first consumer purchaser's purchase of this device. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the device was purchased; (c) the device model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the device box; (ii) on the device information screen, which can be found

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under "Settings;" (iii) on a label on the back of the device beneath the battery, if the battery is removable; and (iv) on the outside of the device if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the device and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect your use of the device or its preloaded Software, and you will continue to enjoy the benefits of this license.

17. **ENTIRE AGREEMENT; SEVERABILITY**. This EULA is the entire agreement between you and Samsung relating to the Software and supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the Software or any other subject matter covered by this EULA. If any provision of this EULA is held to be void, invalid, unenforceable or illegal, the other provisions shall continue in full force and effect. [030314_v 1.8]

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