6. From the list of found devices, tap the target device, then follow the prompts to complete the pairing:
   • If the target device requires a PIN, enter a PIN for the target device and tap **OK**. When prompted, enter the PIN on the target device.
   • If the device allows automatic or smart pairing, your device attempts to pair with the device automatically. Follow the prompts on your device and the target device to complete the pairing.
7. Confirm ⊠ is now showing your devices are paired.

Sharing Data with a Bluetooth Device

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

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

3. Search for and pair with a Bluetooth device. For more information, refer to *"Pairing with a Bluetooth Device"* on page 155.

Receiving Data from a Bluetooth Device

To receive data from a Bluetooth device:
1. Turn Bluetooth on. For more information, refer to *"Turning Bluetooth On or Off"* on page 154.

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

2. Pair with the Bluetooth device from which you want to receive data. For more information, refer to *"Pairing with a Bluetooth Device"* on page 155.
   A Bluetooth authorization request pop-up displays when a Bluetooth device sends data to your device.
3. Select **Accept** to confirm that you are willing to receive data. A File received message displays.

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

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USB Tethering

This option allows you to share your device's mobile data connection via a direct USB connection between your device and computer. A wireless version of this same functionality would be the Mobile AP feature.

Note: If additional software or USB drivers are required, navigate to: http://www.samsung.com/us/support/downloads.

1. From a Home screen, tap ⊞ **Apps** ➔ 🛜 (**Mobile HotSpot**).

   – or –

   From a Home screen, tap ⊞ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **Tethering and Mobile HotSpot**.

2. Plug in the USB cable between your computer and your device.

3. When prompted for a USB mode, tap 🔙 to exit the menu.

4. Tap **USB tethering** from the Tethering menu. This places a green check mark next to the entry and activates the feature. A Tethering or HotSpot active notification briefly appears on the screen.
   Look for the USB Tethering active icon 🛜 in the Status bar area of the screen.

To disconnect tethering:

1. From a Home screen, tap ⊞ **Apps** ➔ 🛜 (**Mobile HotSpot**).

2. Tap **USB tethering** from the Tethering menu to remove the check mark and deactivate the feature.

3. Remove the USB cable from the device.

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Portable Wi-Fi HotSpot

This feature allows you to turn your device into a Wi-Fi hotspot. The feature works best when used in conjunction with HSPA+ (4G) data services (although 3G service can also be used).

Important! The Mobile AP service can not be active at the same time as Wi-Fi. Please close your Wi-Fi connection prior to launching the Mobile AP service.

Note: You must have a tethering plan on your account to use the Wi-Fi HotSpot. You can not use data on the device while it is being used as a hotspot.

To edit the Portable Wi-Fi HotSpot information:

1. From a Home screen, tap ▦ **Apps** ➔
    📶 (**Mobile HotSpot**).

    – or –

    From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**
    ➔ **More settings** ➔ **Tethering and Mobile HotSpot**.

2. On the Mobile HotSpot field, tap the **OFF / ON** icon ▭▭ to turn the feature on.

3. Tap the **Network SSID** field and edit the name if desired.

4. Select a Security option and enter a new security option (**Open**, **WPA-PSK**, or **WPA2-PSK**).

5. With security enabled, delete the previous password and enter a new one into the **Password** field.

6. Tap **Save** to store the new settings.

7. Confirm the Mobile HotSpot active icon 📶 appears at the bottom of the screen.

Note: Using your 4G service and Portable Wi-Fi HotSpot drains your device's battery at a much faster rate than when using any other feature combination.
The best way to keep using the device as a hotspot is to have it connected to a power supply.

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To connect to the HotSpot:

1. Enable Wi-Fi (wireless) functionality on your target device (laptop, media device, etc.).

2. Scan for Wi-Fi networks from the device and select your device hotspot from the network list.

   • The SSID name for your device's hotspot is determined by what you entered into the **Network SSID** field.

   • You can change the name by tapping **Mobile HotSpot ➔ Configure ➔ Network SSID** and changing the entry.

3. Select this HotSpot and follow your on-screen instructions to complete the connection.

4. Launch your Web browser to confirm you have an Internet connection.

To secure the Portable HotSpot service:

The two most common methods for securing your connection to the HotSpot are to a security method (WPA2 PSK) and to Hide your device's SSID name.

1. From a Home screen, tap ▦ **Apps ➔** 📶 (**Mobile HotSpot**).

2. Tap **Mobile HotSpot ➔ Configure**.

3. Tap the **Security** field and select **WPA2 PSK**.

4. With security enabled, enter a new password into the **Password** field.

Important! The more complex the password, the harder it will be for intruders to break your security. It is recommended that you not use names, birthdays, or other personal information.

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5. Tap **Save** to store the new settings.

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Kies Via Wi-Fi

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

Note: Some features will be supported through the System Updates feature in the future. For more information, refer to *"Software Update"* on page 246.

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

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

Connecting With Samsung Kies

1. Install Samsung Kies software on your PC.

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

2. Run Samsung Kies.

3. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **Kies via Wi-Fi**.

   Select the source of the Wi-Fi connection for Kies air.

4. Follow the prompts from Kies to update your device firmware.

5. Refer to Samsung Kies Help for more information.

Synchronizing with Windows Media Player

Ensure that Windows Media Player is installed on your PC.

1. Attach your device to the computer with the USB cable.

   Your computer recognizes the connection and displays the AutoPlay screen.

2. Click the option to **Sync digital media files to this device** to synchronize music files.

3. Select and drag the music files you want to the sync list and begin synchronizing.

4. When finished, exit Windows Media Player and disconnect the USB cable.

Connecting as a Mass Storage Device

You can connect your device to a PC as a removable disk and access the file directory.

1. Attach your device to the computer with the USB cable.

   Your computer recognizes the connection and displays the AutoPlay screen.

2. Click the option to Open device to view files.

   You should see a Tablet folder.

3. Copy files to or from the PC from or to the device (Tablet folder).

4. When finished, close the PC folder and disconnect the USB cable.

GPS Applications

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

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

• inside a building or between buildings

• in a tunnel or underground passage

• in poor weather

• around high-voltage or electromagnetic fields

• in a vehicle with tinted windows

Global GPS turn-by-turn navigation, mapping, and Point of Interest content is available for three continents, including North America (U.S., Canada, and Mexico), Western Europe, and China, where wireless coverage is available.

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

Section 10: Applications and Widgets

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

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *"App Shortcuts"* on page 41.

Update Available

When you open an application that is preloaded on your device, an **Update Available** message may be displayed if there is a new version of the app available.

■ Tap **Upgrade** to update the app or tap **Not Now** to open the app without updating.

For more information, refer to *"Updates to Downloaded Apps"* on page 189.

Alarm

Set alarms for reminders or for wake-up times.

Adding and Configuring Alarms

1. From a Home screen, tap ▦ **Apps** ➔ 🕐 **Alarm**.

2. Tap ➕ **Create alarm** or tap an alarm that is already set.

3. Use the arrow symbols to enter adjust the hour, and minutes, then tap **AM** or **PM** (toggles depending on which was last selected).

4. Tap the **Alarm repeat** field and touch the number of times you want this alarm to repeat. Selections are: day blocks or **Repeat weekly**. Selected day blocks turn blue when active.

5. Slide the slider bar left or right in the **Alarm volume** field to decrease or increase the alarm volume. A sample of the volume level plays.

6. Tap the **Alarm tone** field and either select an available tone or select **Add** to use locate a sound to use as an alarm ringtone. Tap **OK** to activate the ringtone.

7. Tap the **Snooze** box to the right to activate the feature. Tap the available fields to assign a **Duration** time (3 minutes,
   5 minutes, 10 minutes, 15 minutes, or 30 minutes) and **Repeat** (1 time, 2 times, 3 times, 5 times, and 10 times).
   • **Duration** indicates the length of time the alarm will remain silent between alarm notifications (snooze time).
   • **Repeat** indicates the numbers of snooze sessions that are assigned to this alarm. How many times will the snooze silence the alarm.
8. Tap the **Smart alarm** box to the right to activate this feature which slowly increases screen brightness and the volume of nature tones to simulate dawn breaking. Tap the **Interval** field to assign a interval time (3 minutes, 5 minutes, 10 minutes, 15 minutes, or 30 minutes) and nature tone (Fairy fountain, Birdsong by the lake, The secret forest, Serenity, Gentle spring rain, and Sparkling mist).
   • **Interval** category describes the length of time the alarm will remain silent between alarm notifications (snooze time).

   • **Tone** category provides one of several nature sounds that are used as the alarm tone.
9. Tap the **Name** field and enter a name for this Alarm.
10. Tap **Done** to save the alarm.
    The main Alarm screen displays showing the new or updated alarm.

Activating Alarms
1. From a Home screen, tap ⊞ **Apps** ➔ ⏰ **Alarm**.
2. Tap ⏰ **Turn alarm on** to activate the alarm. A gray alarm means the alarm is deactivated.
3. Tap an alarm to change any of its settings and then select **Done** to save the updates.

Deactivating and Deleting Alarms
1. From a Home screen, tap ⊞ **Apps** ➔ ⏰ **Alarm**.
2. Touch and hold an alarm and then tap one of the following options:
   • **Delete alarm**: Delete the alarm.
   – or –
   Tap 🗑 **Delete** and select the existing alarms you want to delete, and then tap **Done**.

Turning Off an Alarm

When the alarm sounds, to turn off the alarm:

■ Touch and drag [×] in any direction.

Setting the Snooze Feature

To activate the Snooze feature after an alarm sounds:

■ Touch and slide [zz] in any direction. Snooze must first be set in the alarm settings.

AllShare Play

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

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

Configuring AllShare

You must first connect both of your communicating devices to the same Wi-Fi and be using an active and registered Samsung account prior to using this application. For more information, refer to *"Turning Wi-Fi On or Off"* on page 150. Connect to Wi-Fi, configure AllShare Play settings to identify your device as a server, and set treatment of copied files.

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

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1. Connect to a Wi-Fi network. For more information, refer to *"Wi-Fi"* on page 150.

2. From a Home screen, tap [⊞] **Apps**
   ➔ [▶] **AllShare Play**.

Note: If prompted, read the on-screen message about network charges and tap **OK** to continue.

The AllShare Play Sign In screen displays.

3. Tap **Sign in**. The Samsung account screen displays.

4. Tap **Create new account**, if you have not set up a Samsung account, or select **Sign in**, if you have already set up a Samsung account.

   For more information, refer to *"Creating a Samsung Account"* on page 17.

   The AllShare Play main screen displays.

5. For more information, tap ▤ **Menu** ➔ **FAQ**.

Using Group Cast

While using various applications, such as 🖼 **Gallery**, when you tap ◀ **Share** to share a file, you see Group Cast as an option.

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

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

To share a file using Group Cast:

1. From a Home screen, tap ⊞ **Apps** ➔ 🖼 **Gallery**.

2. Navigate to the file you want to share and touch ◀ **Share** ➔ **Group Cast**.

   For more information, refer to *"Gallery"* on page 116.

Note: After the initial Group Cast request, tap ▶ **Group Cast** instead of ◀ **Share**.

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3. Use the keyboard to enter a PIN code and tap **Done**.

   This process makes sure only desired recipients can view your shared image.

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

4. Tap **OK** to start the group cast process while other users connect.

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

5. The newly altered image (with markups and comments) can not be saved, but you can take a screen shot of the current image and save it to your Clipboard. For more information, refer to *"Navigating Your Device"* on page 30.

Calculator

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

1. From a Home screen, tap ▦ **Apps** ➔ **Calculator**.
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by tapping the **+** (add), **-** (subtract), **×** (multiply), or **÷** (divide) key.
4. Enter the next number.
5. To view the result, tap the **=** (equals) key.
6. Repeat Steps 3 through 5 as many times as required.
7. Tap C to clear the result.
8. For more advanced problems, rotate your device to landscape mode and use the advanced operators **sin**, **ln**, **cos**, **log**, **tan**, and so on, just as you would on a pocket calculator.

9. Touch and hold the Calculator's display to copy or cut the contents of the display.
   Copied to clipboard displays. Paste the copied value in another app.

Calendar

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

1. From a Home screen, tap ▦ **Apps** ➔ **31 Calendar**.
2. Tap a tab to choose a calendar view:
   • **Year**: Display all twelve months of this year. Sweep across the years at the bottom of the screen to display another year.
   • **Month**: Display the current month. Tap a month and year at the bottom of the screen to display another month.
   • **Week**: Display the current week. Tap a week at the bottom of the screen to display another week.
   • **Day**: Display today's schedule by hour. Tap day at the bottom of the screen to display another day.

- **List**: Display only event and task names and dates for a selected year. Tap a year at the bottom of the screen to display another year. Tap a date to hide or show the event or task name.
- **Task**: Display your list of tasks. Tap the sort field to change how your tasks are sorted. Tasks can be sorted by due date, priority, date, week, month, or group.

3. Swipe left or right across the screen to view other days or other weeks. Swipe up or down the screen to view other events.

4. To find an event or task, tap **Search**.
   Use the on-screen keyboard to enter a search term. Possible events display as you type.

   Tap an event to send, edit, or delete the event.

5. Tap **Add event / Add task** and then tap **Done** to add a new event to your calendar. For more information, refer to *"Creating an Event or Task"* on page 168.

6. Tap **Menu** for these options:
   - **Zoom in**: In the Week and Day views, increase the size of the area being viewed.
   - **Zoom out**: In the Week and Day views, decrease the size of the area being viewed.
   - **Go to**: Use the Set date pop-up to enter a date and then tap Set to display that date on your calendar.
   - **Delete**: Delete events for the year, month, week, day, week, month, before today, or all events, depending on the Calendar view.
   - **Sync**: Manually synchronizes the calendar entries among all of your current accounts, for example, Gmail, Exchange, and so on.
   - **Show controls** / **Hide controls**: Show or hide a small month calendar and a list of events in landscape mode.
   - **Settings**: Customize the calendar. For more information, refer to *"Calendar Settings"* on page 169.

7. Tap **Today** to return to the current date.

8. Tap **Calendars** to configure which events to display. Tap **Add account ➔ Add account** to add additional accounts from which calendar events can be synced.

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Creating an Event or Task

1. From a Home screen, tap ▦ **Apps** ➔ 🗓 **Calendar**.

2. Double-tap the date for which you want to enter an all day event or task.

   • Tap the **Add event** or **Add task** tab.

   • Tap the **My calendar** field and tap a calendar to which the even or task should be added.

   • Use the keyboard to enter the event or task name.

   – or –

   Tap the date for which you want to enter an event or task.

   • Tap ➕ .

   • Tap the **Add event** or **Add task** tab.

   • Enter the event or task information.

3. Tap **Save**.

Managing Events

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

1. From a Home screen, tap ▦ **Apps** ➔ 🗓 **Calendar**.

2. Tap an event. A pop-up displays event information.

3. Tap ☰ **Options**. Choose from: Reply, Reply all, Forward or Share via.

4. Tap **Delete** and then tap **OK** to delete the event.

   – or –

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

5. Tap **Share via** and then select **Bluetooth**, **Email**, **Messaging**, or **Wi-Fi Direct** to share the event.

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Add Additional Calendar Accounts

1. From a Home screen, tap ▦ **Apps** ➔ 🗓 **Calendar**
   ➔ **Calendars** ➔ **Add account**.

   – or –

   From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**
   ➔ **Accounts and sync**.

   The Accounts and sync screen displays.

2. Tap **Add account** to display the Add account option.

3. Select an account type and enter your account
   information.

Calendar Settings

To set up Calendar preferences:

1. From a Home screen, tap ▦ **Apps** ➔ 🗓 **Calendar**.

2. Tap ▤ **Menu** ➔ **Settings**.

   The following options display:

   View settings

   • **First day of week**: Choose a day to begin each week.

   • **Hide declined events**: Enable or disable display of events.

• **Lock time zone**: Allows you to lock event times and dates
   based on your selected time zone, which is defined by the
   following field.

• **Select time zone**: If **Lock time zone** is enabled, used this
   option to select a time zone to lock event times and dates.

• **Show week number**: Show the week number to the left of
   each week in the Month view.

• **Calendars**: Enable calendars for your various accounts.

Event notification

• **Set alerts & notifications**: Tap to select, which allows you to
   set the Alert, Status bar notification, or Off.

• **Select ringtone**: Choose a tone for calendar notifications.

• **Default reminder time**: Set the default time for a notification
   before an event is to occur.

• **Notifications while screen is off**: Enable or disable the display
   of notifications on the full screen while the screen is turned off.

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Sync settings

- **Sync events/tasks**: Displays the General sync settings. For more information, refer to *"Accounts and Synchronization"* on page 222.

(Accounts): Tap an account and then tap the check box to enable or disable the calendar sync for that account.

Camera

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

For more information, refer to *"Camera"* on page 102.

■ From a Home screen, tap ⊞ **Apps ➔** 🔘 **Camera**.

Contacts

Store contact information for your friends, family and colleagues, to quickly access information or to send a message. For more information, refer to *"Contacts"* on page 66.

■ From a Home screen, tap ⊞ **Apps ➔** 👤 **Contacts**.

Downloads

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

1. From a Home screen, tap ⊞ **Apps ➔** 📥 **Downloads**.
2. Tap an item to open it.
3. Tap headings for earlier downloads to view them.
4. Tap items you want to send, to check them, and then tap ⬗ **Share via**. Select an option to share the item. Options are: Bluetooth, Email, Gmail, Google+, Google Cast, Messaging, Photo editor, Picasa, or Wi-Fi Direct.
5. Tap items you want to delete, to check them, and then tap 🗑 **Delete**. The items are deleted from your tablet.
6. Tap **Sort by size** or **Sort by date**, at the bottom of the Downloads pop-up, to switch back and forth.

Email

Send and receive email using popular email services.
For more information, refer to *"Email"* on page 88.

■ From a Home screen, tap ▦ **Apps ➔** ◉ **Email**.

Gallery

Use Gallery to view, capture, and manage photos and videos.
For more information, refer to *"Gallery"* on page 116.

■ From a Home screen, tap ▦ **Apps ➔** 🌼 **Gallery**.

Game Base

The T-Mobile Game Base provides access to a game rental and purchase services for compatible T-Mobile Android devices.

1. From a Home screen, tap ▦ **Apps ➔** ▣ (**Game Base**).

2. Tap an available category and follow the on-screen instructions.

Gmail

Send and receive email with Gmail, Google's web-based email. For more information, refer to *"Gmail"* on page 84.

■ From a Home screen, tap ▦ **Apps ➔** ✉ **Gmail**.

Google+

Share updates and see what is going on around you with Google+ for mobile.
For more information, refer to *"Google+"* on page 141.

■ From a Home screen, tap ▦ **Apps ➔** 🔴 **Google+**.

Internet

Your device includes a full HTML browser, to access the internet. For more information, refer to *"Internet"* on page 141.

Tip: A shortcut to Internet displays on the main Home screen by default.

■ From a Home screen, tap ▦ **Apps ➔** 🌐 **Internet**.

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Latitude

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

You must first set up your tablet to use wireless networks to help pinpoint your location. Also, Latitude works best when Wi-Fi is enabled.

To enable Wi-Fi:

1. From a Home screen, tap [icon] **Apps ➔** [icon] **Settings**.

2. Tap **Location services ➔ Use wireless networks**.
   A green check mark [icon] indicates the feature is enabled.

3. Tap **Location services ➔ Use GPS satellites**.
   A green check mark [icon] indicates the feature is enabled.

4. Tap **Location services ➔ Location and Google search**.
   A green check mark [icon] indicates the feature is enabled.

5. Under **Wireless and network**, on the Wi-Fi tab, tap the **OFF / ON** icon [icon] to turn Wi-Fi on.
   For more information, refer to *"Wi-Fi"* on page 150.

6. Log on to your Google account.
   To create a Google account or set up your Google account on your device use **Accounts and sync** settings. For more information, refer to *"Accounts and Synchronization"* on page 222.

7. Tap [icon] **Home ➔** [icon] **Apps ➔** [icon] **Latitude**.
   Your location is displayed on the map, accurate to 30 meters.

Sharing Your Location with Friends

1. Tap [icon] **Menu ➔ Latitude**.

2. From the Latitude map screen, tap `Latitude` to display your Latitude list of friends. At first, only your name is displayed.

3. Tap [icon] **Menu ➔ Add friends**.

4. Tap **Select from Contacts** and select a contact
   – or –
   Tap **Add via email address**, enter an email address, and tap the **Send** key or close the keyboard and tap **Add friends**.

5. At the **Send sharing requests** prompt, tap **Yes**.

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Your friend will receive an email or text message with your location marked on a map. They will also receive instructions on how to view your location from the Internet or use Latitude on their device, if it is available. Once they acknowledge your request, their location will display on your tablet. They can share their location from their computer, device, or tablet.

For more information, go to http://www.google.com/latitude.

Latitude Menu

1. From a Home screen, tap ▦ **Apps** ➔ 🔵 **Latitude**.
2. Tap | **Latitude** |, if necessary.
3. From the top-right select any of the following functions:
   • **My Location** Uses GPS technology to determine your current location.
   • **Local** Launch the Local app. For more information, refer to *"Local"* on page 174. This option only displays in portrait mode.
   • **Directions** Allows you to enter a start and end point for directions.

• **Layers**: Enable or disable a map layer to display. Choose from Traffic, Satellite, Terrain, Transit Lines, Latitude, My Maps, Bicycling, or Wikipedia. This option only displays in portrait mode.

– or –

Tap ▤ **Menu** for these options:

• **Add friends**: Share your location with friends. For more information, refer to *"Sharing Your Location with Friends"* on page 172.

• **Check in**: Tap a location to check-in so others will know your location.

• **Refresh friends**: Update your Latitude list of friends.

• **Show stale friends / Hide stale friends**: Show or hide friends depending on the accuracy of their Latitude information.

• **Location settings**: Configures the location reporting settings. For more information, refer to *"Maps Menu"* on page 176.

• **Clear Map**: Remove search results from the map.

• **Make available offline**: Makes the current map functionality available even no network connection is available.

• **Join Latitude/Latitude**: Join Latitude, to share your location with friends you choose and Google.

- **My Places**: Displays a list of Starred places.
- **Offers**: Displays nearby local offers based on your current location.
- **Settings**: Configure settings. For more information, refer to *"Maps Settings"* on page 178.
- **Help**: Launches Google mobile Help.

Local

Local (formerly known as Google Places) displays company logos on a layer of Google Maps. When viewing an area you can quickly locate a business or person, find out more information about the business, see coupons, public responses, and more.

1. From a Home screen, tap ▦ **Apps** ➔ 📍 **Local**.
2. Tap 🔍 **Search** and then use the **Search Maps** field to manually enter a desired place or choose from among the various categories. Matches are filtered by those closest to your current location.

3. Locate and tap one of the listed places (Restaurants, Cafes, Bars, Attractions, [user added searches], RECOMMENDATIONS, or IN THIS AREA a list of places within this category displays.
4. Tap the Maps icon to launch the related maps feature.
   – or –

   Tap ▐ **Menu** and then tap either **My Places ➔ Starred**.

   – or –

   Tap the Maps icon (upper-right) to launch the related maps feature.

   - Tap ▐ **Menu ➔ Latitude**. The functions of this application are similar to those of the Navigation application, but work along with the Latitude service where you can share your location with your chosen Google friends.

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Lookout Security

Lookout™ provides mobile device-specific security features that are coupled with a minimal performance hit. Lookout Mobile Security provides key security options that are unique to the mobile market. Along with the antivirus and anti-malware tech, there's a lost and stolen device locator service, an application privacy adviser, and a backup service.

1. From a Home screen, tap 🔲 **Apps ➔** 🛡 (**Lookout Security**).

2. Read the on-screen descriptions and tap **Get started** to begin your configuration.

3. Read the on-screen information about Security and if desired, tap the **Enable Security** field to activate the feature.

4. Tap **Next**.

5. Read the on-screen information about Backup and if desired, tap the **Enable Backup** field to activate the feature.

6. Tap **Next**.

7. Read the on-screen information about the feature that can help locate your missing device and if desired, tap **New user** (to setup a new account) or **Existing user** (to log into your account field to activate the feature).

8. Tap **Start Lookout**.

From the main application, the main features are presented as buttons. Tap one to reveal a button that will run the feature.

Maps

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

Tip: A shortcut to Maps displays on the main Home screen by default.

Note: You must enable location services to use Maps. Some features require Standalone or Google location services. For more information, refer to *"Location Services"* on page 224.

■ From the Home screen, tap ▦ **Apps** ➔ 🗺 **Maps**.

Navigating the Map
Zooming
• Double-tap on the screen to zoom in.
• Use two fingers, such as your index finger and thumb, to zoom out by making an inward pinch motion on the screen. To zoom in, make an outward motion by sweeping your fingers out.

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

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

Tap
• Tap an icon on the map to display information about the location. For example, your location is indicated by a flashing ◤ and a pop-up that displays your name.

Maps Menu
1. From the Home screen, tap 🗺 **Maps**.
2. From the top-right select any of the following functions: My Location, Local, Directions, and Layers. For more information, refer to *"Other Map Options"* on page 177.

   – or –

   While viewing a map, tap ▤ **Menu** for these options:

   • **Clear Map**: Remove search results from the map.

   • **Make available offline**: Makes the current map functionality available even only network connection is available.

- **Join Latitude/Latitude**: Join Latitude, to share your location with friends you choose and Google.
- **My Places**: Display starred locations.
- **Offers**: Displays nearby local offers based on your current location.
- **Settings**: Configure settings. For more information, refer to *"Maps Settings"* on page 178.
- **Help**: Learn about Google maps.

Tip: Local and Layers display in the Application Bar in landscape mode.

Other Map Options

Tap the indicated icon to use these additional Map options:

Search Maps: Use the keyboard to enter your request to Search the map for a city, location, and so on. Suggestions are displayed as you type.

Speak: Just speak a city, location, and so on, to display.

Compass: Set the map to always display north at the top of the screen or to automatically rotate like a compass, keeping north on the map facing north, and so on. Your device may have to be calibrated the first time you use this feature. Follow the on-screen instructions.

Local: Launch the Local app. For more information, refer to *"Local"* on page 174.

Directions: Displays the Directions pop-up. Enter **My Location** and **End point** or tap the button to the right of the fields to choose your current location, a contact's location, or to tap a point on the map.

- Tap the automobile, bus, bicycle, or walking icon for the appropriate directions. Then tap **Go** to display a list of directions.
- Tap the Directions list and scroll up or down. Tap an entry in the Directions list to show the point mentioned on the map.

Layers: Enable or disable a map layer to display. Choose from Traffic, Satellite, Terrain, Transit Lines, Latitude, My Maps, Bicycling, or Wikipedia.

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Maps Settings

Use the Maps settings to customize your Maps application.

1. From the Home screen, tap ☆ **Maps**.

2. Tap ▤ **Menu** ➔ **Settings** to set the following Maps options:

   • **Display**: Set the following Maps display options:

   – **Zoom Buttons**: If enabled, the zoom in (**+**) and zoom out (**-**) buttons are displayed on the map.

   – **Scale Bar**: If enabled, the scale bar is displayed on the map, which shows the scale of the map in feet and meters.

   – **Bubble action**: If enabled, the "Get directions" button appears within on-screen bubbles.

   • **Offline and cache**

   – **Automatic caching**: If enabled, automatic caching occurs while charging and using either Wi-Fi or mobile networks.

   – **Clear all map tiles**: Tap **OK** to clear map tile cache.

   • **Location settings**: These settings display if you have joined Latitude.

– **Location reporting**: To update your location automatically, set the following options:

   • **Detect your location**: Enable or disable whether your location is updated automatically.

   • **Set your location**: Set your location manually.

   • **Do not update your location**: Your friends cannot see your automatic location.

– **Report from this device**: Allows you to automatically update your location from this device.

– **Enable location sharing**: Allows you to share your location with people you know.

– **Manage your friends**: Add or remove friends who can see your location.

– **Enable location history**: This history is only seen by you.

– **Sign out of Latitude**: Signs you out of Latitude and launches the Maps application.

– **Automatic check-ins**: Checks you in to places that you have designated.

– **Check-in notifications**: Enables notifications that suggest places to check in.

– **Manage your places**: View and modify your automatic check-ins and muted places.
- **Labs**: Access experimental features.
- **What's New**: Link to Google Play Store where you can check for a Maps update.
- **About**: View information about Maps.
- **Feedback**: Display a Maps feedback form.
- **Terms, Privacy & Notices**: View information about Google Maps, including the Terms and Conditions, Privacy Policy, Legal Notices, and Web History.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content.

For more information, refer to *"Media Hub"* on page 122.

Tip: A shortcut to Media Hub displays on the main Home screen by default.

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

■   From a Home screen, tap ▦ **Apps**
    ➔ ⓜ **Media Hub**.

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Memo

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

Composing a Memo

1. From a Home screen, tap ⚏ **Apps ➔** 🔳 **Memo**.
2. Tap ➕ **New memo**, compose the memo, then select **Done** to save.

For more information, refer to *"Entering Text"* on page 55.

Memo List Options

To access options while viewing the list of Memos:

1. Tap 📑 **List** to view your memos in a list mode. Tap an entry in the list on the left to view the memo on the right of the screen.
2. To delete one or more memos, tap 🗑 **Delete**, select one or all memos, and tap **Delete**.
3. Tap 📑 **Menu** for the following options:
   • **Sort by**: Set whether to sort the memo list by **Date**, **Title**, or **Color**.
   • **Share via**: Select one or all memos, tap **Share**, and then tap **Bluetooth**, **Email**, **Gmail**, **Messaging,** or **Wi-Fi Direct** to send memos to another device or another person.

   • **Print**: Select one or all memos, tap **Print**, and send the memos to a Samsung printer.
   • **Sync memo**: Sign in to Google and use Google docs to back up your memos.
   • **PIN lock**: Set a PIN number to use to lock your memos.
   • **Font size**: Set the text font size. Options are: Tiny, Small, Normal, Large, and Huge.

4. Touch and hold a memo thumbnail or list entry to display the following options:
   • **Delete**: Delete the selected memo.
   • **Lock/Unlock**: Lock the memo or use your PIN number to remove the lock form the memo. Once you lock a memo, you have to use your PIN number to view the memo.
   • **Share via**: Tap **Bluetooth**, **Email**, **Gmail, Messaging,** or **Wi-Fi Direct** to send the memo by the selected method. For more information, refer to *"Bluetooth"* on page 154.

Memo Options

While viewing a Memo:

■ Tap ◄ **Memo options** for the following options:

🗑 **Delete**: Delete this Memo.

🎨 **Color**: Choose a color for this memo.

🔒 **Lock/Unlock**: Lock the memo or use your PIN number to remove the lock form the memo. Once you lock a memo, you have to use your PIN number to view the memo.

🖨 **Print**: Send this memo to a Samsung printer.

◄ **Share via**: Tap **Bluetooth**, **Email**, **Gmail, Messaging,** or **Wi-Fi Direct** to send the memo by the selected method. For more information, refer to *"Bluetooth"* on page 154.

Messaging

1. From a Home screen, tap ▦ **Apps** ➔ ✉ **Messaging**.

2. Follow the on-screen prompts.

For more information, refer to *"Messaging"* on page 76.

Messenger

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

For more information, refer to *"Messenger"* on page 101.

■ From a Home screen, tap ▦ **Apps** ➔ 💬 **Messenger**.

Mobile HotSpot

Provides access to the Tethering and portable HotSpot menu where you can use either the USB tethering or Mobile HotSpot functionality.

1. From a Home screen, tap ▦ **Apps** ➔ 📶 (**Mobile HotSpot**).

2. Activate the desired connection method.

For more information see either *"USB Tethering"* on page 157 or *"Portable Wi-Fi HotSpot"* on page 158.

More for Me

Provides customized offers, discounts and deals right to your device by providing some brief customer and location information. The application uses your current location to bring you the best deals in your area.

Initial Setup

1. From a Home screen, tap ▦ **Apps** ➔ 🎁 (**More for Me**).
2. Read the on-screen information and configure the necessary options such as: Gender, Age, and agreements.
3. Tap **Continue** to complete the setup process.

Using the More for Me Application

1. From a Home screen, tap ▦ **Apps** ➔ 🎁 (**More for Me**).
2. From the upper-right, tap the button to access an available tab for more options:
   • **What's Hot**: displays a listing of current hot offers in your area.
   • **Great Apps**: Provides you with current Daily Deals & Shopping applications.
   • **All Deals**: Provides you with current Top Deals & Discounts.

Music Player

Play music and other audio files that you copy from your computer. For more information, refer to *"Music Player"* on page 133.

■ From a Home screen, tap ▦ **Apps** ➔ ▶ **Music Player**.

My Files

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

1. From a Home screen, tap ▦ **Apps** ➔ 📁 **My Files**.
2. Tap a folder and scroll down or up until you locate a file.

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

3. Tap a file to launch it in the associated application, if the file is associated with an application.

4. While browsing files, use these controls:

Up: Display a higher directory.

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

Display mode: Enable or disable thumbnails for each file.

Root: Display the root directory.

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

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

5. To view a photo file:

• Tap the file.

The Gallery app is used to open the photo.
For more information, refer to *"Viewing Photos and Videos"* on page 117.

6. To view a video file:

• Tap the file.

The Video player is launched and plays the video.
For more information, refer to *"Video Player"* on page 113.

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Navigation

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

Note: You must first create a Wi-Fi connection to use Navigation.

1. From a Home screen, tap ▦ **Apps** ➔ ▲ **Navigation**.
2. Tap **Accept** to accept the Google Maps Navigation beta message.
3. Tap 🚗 in the Application bar and then tap either **Driving** or **Walking** to describe the type of directions you want.
4. Tap 🏁 **Map** in the Application bar to see a map (Driving) or a satellite image (Walking) of your area.

5. Tap ▮ **Menu** for the following options:
   • **Route options**: Set whether directions should **Avoid highways** and **Avoid tolls**.
   • **Settings**: Display Navigation settings:
     – **Screen dimming**: Enable or disable screen dimming, which lets the screen dim between instructions to save power.
     – **Terms, privacy & notices**: View Google's Terms and conditions, Privacy policy, and Legal notices.
   • **Help**: Display Navigation help information.
6. To find a destination, tap an option:
   • **Speak destination**: Say the name or address of your destination.
   • **Type destination**: Enter the destination.
   • **Contacts**: Choose a destination from a contact record.
   • **Starred places**: Choose destinations you have marked as favorites.
   • **Recent destinations**: Choose from recent destinations. This option is not available until a destination has been requested.

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7. While navigating, tap:

 ROUTE AND ALTERNATES: View information about the current route and alternate routes.

 Directions List: View directions in a step-by-step list.

 SHOW MAP: Return to the map view after viewing ROUTE AND ALTERNATES or the directions list.

 Layers: Choose map layers to display.

 Menu: To display these options:
- **Turn off voice/Turn on voice**: Enable or disable voice-guided prompts.
- **Exit navigation**: Close Navigation and discard route information.
- **Search**: Find a location.
- **Set destination**: Choose or enter a destination.
- **Settings**: Enable or disable screen dimming and view Google's Terms and conditions, Privacy policy, and Legal notices.
- **Help**: Display Navigation help information.

Photo Editor

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

For more information, refer to *"Photo Editor"* on page 121.

- From a Home screen, tap **Apps**
  ➔ **Photo editor**.

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Play Books

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

You can read books online or mark them for availability offline, so you can read them when you have no Internet connection (such as on an airplane). You can also use Books as your starting point for browsing or searching for books on line.

1. From a Home screen, tap ⊞ **Apps**
   ➔ 📘 **Play Books**.

   The Google Play Books main screen displays.

Note: You may be asked to create or sign on to your Google account. For more information, refer to *"Setting Up Your Gmail Account"* on page 84.

2. To add more books to your library, tap **SHOP** in the Application bar.

   A pop-up displays a link to the Google Play Terms of Service. Read the document and tap **Accept**.

Browse the selection of Google eBooks, which are arranged in categories like Featured, Top Selling, Top Rated, Top Free, and many more.

3. To find a book by title or author name, tap 🔍 **Search** on the Play Books main screen or tap **SHOP** ➔ 🔍 **Search**.

4. On the Play Books main screen, tap ▐ **Menu** for these options:

   • **Make available offline**: Mark books to make them available offline. Tap below a book cover to mark it with 📌 a pin and then tap ✓. Just reverse this process to remove books from your device.

   • **View as list / View as carousel**: Set how you want to view your books.

   • **Refresh**: If a book in your library does not appear on your device, use this option to update the display.

   • **Accounts**: Set the account to use.

   • **Settings**: Provides access to the application's settings.

   • **Help**: Displays various Book help information. Tap **Help Center** to get additional Google Play Books information.

5. Tap the cover of a book to start reading.

Reading a Book

Once the book displays:

1. Sweep across the screen to turn the page.
2. Tap the screen to display or hide the following options.
3. Tap ☰ for a table of contents.
4. Tap Aa to set THEME (day or night), BRIGHTNESS, TYPEFACE, FONT SIZE, TEXT ALIGNMENT, and LINE HEIGHT.
5. Tap ◯ **Search** on the Play Books main screen or tap **SHOP** ➔ ◯ **Search**.
6. Tap ⋮ **Menu** for these additional in-book options:
   • **Original pages** / **Flowing text**: Display the pages of the book in their original format or use your format settings.
   • **About the book**: Displays the Google Play description of the book.
   • **Share**: Share the book by using Bluetooth, Email, Gmail, Google+, Messaging, or Wi-Fi Direct.
   • **Keep on device**: Tap the check box to make the book available offline.
   • **Add bookmark**: Adds a bookmark to the current page.

   • **Read aloud / Stop reading aloud**: Tap to let your device read the book to you.
   • **Settings**: Provides access to the application's settings.
   • **Help**: Tap **Help center**, **Contact us**, or **Report a problem** to link the appropriate website. Tap **Terms of Service**, **Privacy Policy**, or **Open source licenses** to read those documents. The Play Books version number is also displayed.
7. Touch and drag the slider at the bottom of the page to display a different page, which is indicated by the pop-up.
8. To contact customer support, report an issue, and display more Google eBooks information, from a Home screen, tap ▦ **Apps** ➔ 📘 **Play Books** ➔ ⋮ **Menu** ➔ **Help**.

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Play Magazines

With Google Play Magazines, you can subscribe to your favorite magazines and have them available to read on your device at any time or any place.

1. From a Home screen, tap ▦▦ **Apps** ➔ ▦ (**Play Magazines**).
2. Log on to your Google account if you have not already done so.
3. At the Welcome! display, tap the shop icon ▶ to browse the full catalog.
4. Read the Google Play Terms of Service and tap **Accept**.
5. Sweep the screen to the left or right to view Categories, Featured, Top Selling, and New Arrivals.
6. Tap a magazine to see more information and subscribe.
7. Follow the on-screen instructions to subscribe to a magazine.

Play Movies & TV

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

■ From a Home screen, tap ▦▦ **Apps** ➔ ▦ **Play Movies & TV**.

For more information tap ▮ **Menu** ➔ **Help**.

Play Music

Play music and other audio files that you copy from your computer. For more information, refer to *"Play Music"* on page 125.

■ From a Home screen, tap ▦▦ **Apps** ➔ 🎧 **Play Music**.

Play Store

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

Tip: A shortcut to Play Store displays on the main Home screen by default.

1. From the Home screen, tap 🔽 **Play Store**.

   – or –

   From a Home screen, tap ⬛ **Apps** ➔ 🔽 **Play Store**.

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

   • Tap **Existing**, if you already have a Google account, or **New** to create a Google account.

     For more information, refer to *"Setting Up Your Gmail Account"* on page 84.

2. The first time you open Play Store, read the Google Play™ Terms of Service and then tap **Accept** to continue.

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3. To browse for items to install, tap **Apps**, **Games**, **Music**, **Books**, or **Movies**. Tap a tab, such as CATEGORIES, FEATURED, TOP PAID, or TOP FREE to refine your search.

4. To get help for using Google Play™, tap ⬛ **Menu** ➔ **Help**.

Updates to Downloaded Apps

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

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

1. From the Home screen, tap 🔽 **Play Store**.

2. Tap ⬇ **Installed Apps**.

3. Select the **INSTALLED** tab to list the Play Store apps installed on your device.

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

4. Tap an app and then select **Allow automatic updating** to enable automatic updating.

5. Tap **Open** to open the app on your device.

6. Tap **Update** to update the app on your device.

Managing Downloads

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

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

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

Uninstalling an App

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

There are several ways to uninstall an app:

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Application manager**.

2. Tap the **Downloaded** tab.

3. Tap the app you want to uninstall.

4. Tap the **Uninstall** button.

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

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

You can also use Google Play to uninstall apps you downloaded from there (see *"Play Store"* on page 189).

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To uninstall an app from the Apps screen:

1. From a Home screen, tap ▦ **Apps**.

2. Tap ▤ **Menu** ➔ **Downloaded applications**.

   The Downloaded applications screen displays.

3. Tap ▤ **Menu** ➔ **Uninstall**. A ⊖ appears on Apps that can be uninstalled.

4. Tap an app's icon and then tap **OK** to uninstall and remove the app from your tablet.

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

Polaris Office

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

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

1. From a Home screen, tap ▦ **Apps** ➔ 📙 (**Polaris Office**).

2. From the Registration screen, tap **Skip** to begin using the application without registration.

   – or –

   Enter your email address and tap **Register** to use the currently indicated email address for registration purposes.

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3. On its initial launch, navigate the application to begin use:

- **New**: creates a new office document.
- **Recent documents**: provides a scrollable list of recently accessed documents.
- **Browser**: allows you to search on your device and SD card for compatible documents.
- **Clouds**: provides access to documents stored on your configured Cloud storage location.
- **Form type**: allows you to quickly access your documents based on file type. Each type is separated into several available tabs located at the bottom of the screen, such as: Word, Excel, PowerPoint, Other, and PDF.
- **Favorites**: allows you to list only those documents tagged as Favorite.

Pro Apps

Provides access to compatible productivity tools. These productivity packs can be accessed from anywhere.

Note: Access to these applications and packs requires you have an active Google account and are logged in prior to connection.

1. From a Home screen, tap ▦ **Apps** ➔ 🤖 **Pro Apps**.

2. Select an application and follow the on-screen download and installation instructions.

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S Suggest

Provides on-screen recommendations for applications that are specifically supported and made for use on your device.

Note: Access to this feature requires that you already be logged in to your Samsung account application.

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1. From a Home screen, tap [icon] **Apps →** [icon] (**S Suggest**).
2. Read the terms and conditions.
3. Place a checkmark in the **Agree** field then tap **Agree**.
4. Select an application from one of the available categories (Picks, Categories, Games, Friends, and Info).

Follow the on-screen download and installation instructions.

Samsung Apps

Allows you to easily download an abundance of applications to your device. This includes games, news, reference, social networking, navigation, and more. Samsung Apps makes your Smartphone smarter.

Note: Access to this feature requires that you already be logged in to your Samsung account application.

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1. From the Home screen, tap [icon] **Apps →** [icon] (**Samsung Apps**).
2. If prompted, read the on-screen disclaimer and agree to the information.

Follow the on-screen instructions.

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Search

Search the Web using the Google™ search engine.

1. From the Home screen, tap ⊞ **Apps ➔** ⑧ **Search**.

2. Use the keyboard to enter search criteria to display matching searches.

   – or –

   Tap 🎤 and speak the search criteria slowly and clearly. Google searches for the information and displays results.

   Suggestions display below the text entry area.

3. Tap a suggestion to search for that term. A browser window displays the search results.

Settings

Configure your device to your preferences.

For more information, refer to *"Settings"* on page 202.

■ From a Home screen, tap ⊞ **Apps ➔** ⚙ **Settings**.

Slacker Radio

Slacker offers free, internet radio for mobile devices.

1. From a Home screen, tap ⊞ **Apps ➔** 🎧 **Slacker Radio**.

Important! You must register and create a free account prior to using this service.

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2. Read the on-screen legal disclaimer and tap **OK**.

3. If prompted, enter your Email address and password.

   – or –

   Tap **Create Account** if you have not created an account.

Begin selecting the music you want to listen to by selecting from the available on-screen categories.

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Smart Remote

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

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

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

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

1. From a Home screen, tap ▦ **Apps** ➔ (**Smart Remote**).

2. Read the disclaimer and tap **Agree**.

3. Select a country location by tapping either **US & Canada** or **International.**

4. Read the on-screen information to complete your set up.

T-Mobile My Account

This application provides you online access to account information such as your current activity, billing information, service plans, downloads, and other information.

Note: Wi-Fi connection must be disabled prior to use, this application requires use of a T-Mobile network connection.

1. From a Home screen, tap ▦ **Apps** ➔ (**Access T-Mobile**).

2. If prompted, follow the on-screen information for what's new in the app.

Note: Some features may require you to log into your account.

3. The application screen provides several available options:

    • **Account Info** provides access to account-specific features such as: Notifications.

    • **Device Support** provides details about your current billing summary.

- **Notifications** provides about both your current plan, other available plans and other related services.
- **MobileLife Family Organizer** provides links to other T-Mobile related information.

T-Mobile TV

T-Mobile TV is an application that allows you to get live TV and Video on Demand.

- From a Home screen, tap ▦ **Apps** ➔ 📺 (**T-Mobile TV**).

For more information, refer to *"T-Mobile TV"* on page 140.

Talk

Use Google Talk to chat with other Google Talk users.

For more information, refer to *"Google Talk"* on page 97.

- From a Home screen, tap ▦ **Apps** ➔ 💬 **Talk**.

Video Maker

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

1. From a Home screen, tap ▦ **Apps** ➔ 🎬 **Video Maker**.
2. Tap **New Project**.
3. Follow the on-screen instructions.

Video Player

View and manage videos stored on your tablet.

For more information, refer to *"Video Player"* on page 113.

- From a Home screen, tap ▦ **Apps** ➔ ▶ **Video Player**.

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VPN Client

This is a full-featured VPN Client that provides support for the latest IPSec VPN standards and provides interoperability with support for all major VPN Gateways.

1. From a Home screen, tap 🔲 **Apps** ➔
   ⊘ (**VPN CLient**).
2. Follow the on-screen instructions to configure the VPN Client.

World Clock

View the date and time in any time zone.

1. From a Home screen, tap 🔲 **Apps**
   ➔ 🕐 **World Clock**.

   A map of the world displays with the locations you have added flagged.

2. Tap ⊕ **Add** to add a city to display.

   A list of world cities displays in landscape mode.

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

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

– or –

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

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

4. Tap ⊕ and from the pop-up, tap the city and select ➕ **Add city**.
5. Tap 🔀 **Reorder** to change the order of the cities. Tap the grid 🔳 on an entry and drag the entry to a new position in the list. Tap **Done** to change the order.
6. Tap 🗑 **Remove** to delete entries. Tap the box to check the cities you want to delete (a green check mark displays), then tap **Remove**.
7. Touch and hold an entry to remove it or to set the **DST settings**, which enable or disable Daylight Savings Time adjustments.

Yahoo! Finance

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

To add the Yahoo! Finance widget to a Home screen, see *"Adding Widgets to a Home screen"* on page 38.

Adding Your First Stock

To add your first stock:

1. From a Home screen, tap 🎛 **Apps ➔ Widgets**.

2. Touch and drag the **Yahoo! Finance** widget onto an available area of the screen.

   The Yahoo! Finance main screen displays with Samsung and Yahoo stocks listed by default.

3. Tap the widget and from the full application, tap ➕ **Add**.

4. Type in a stock name and select an entry in the list of stocks that is displayed.

5. The Yahoo! Finance widget displays with information about the stock just added.

Managing Stocks

Once you add a stock, there are additional Yahoo! Finance options you can use to add more stocks and set up how they are displayed and refreshed.

1. From a Home screen, tap an entry in the Yahoo! Finance widget.

   Information about the stock displays.

2. Tap 🔄 **Refresh** to update the information.

3. Tap ➕ Add to add another stock. For more information, refer to *"Adding Your First Stock"* on page 198.

4. Tap ☰ **Menu** to display the following options:
   • **Delete**: Tap to delete the stock being displayed.
   • **Change order**: Displays your stocks list. Tap and drag stocks to change the order in which they are displayed.
   • **Search**: Tap to search for a new stock.
   • **Settings**: Displays the following option:

– **Auto refresh**: Choose a time interval for automatic refreshing of stock information. The choices are: None, Every 30 minutes, Every 1 hour, and Every 3 hours. When the setting is None, tap the refresh icon on the Yahoo! Finance widget to update stock information.

5. Under the **My Stocks** tab, tap a stock entry to display the full stock information screen.

6. Tap the **Major indices** tab to display a summary of the performance of major groupings of stocks, classified by the exchange on which they trade.

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

Additional Options

There are more options available from the full stock information screen.

1. From a Home screen, tap the **Yahoo! Finance** widget. The full stock information screen for one of your stocks displays.

2. If you have added more than one stock, tap a heading bar to display the full stock information screen for the stock.

3. Near the center of the screen, tap **1d** (1 day), **5d** (5 days), **1m** (1 month), **3m** (3 months), **6m** (6 months), or **1y** (1 year) to view a stock performance graph for the requested period.

4. At the bottom, right of the screen, tap **Y! More Information** to link to the Yahoo! Finance website.

5. At the bottom of the screen, tap **Quotes delayed** to read about real-time exchange quotes and access other Yahoo! Finance online options, such as Top Stories and a currency converter.

YouTube

View and upload YouTube videos right from your device.

1. From a Home screen, tap ⊞ **Apps** ➔ 📺 **YouTube**.
2. Tap the **HOME** tab to return to the main YouTube page.
3. Tap the **BROWSE** tab to browse videos by categories like Comedy, Education, Music, and so on. Tap the desired category to display video thumbnails.
4. Tap the **ACCOUNT** tab to choose which Google account you would like to use or add an account. Once you are signed in, tap **ACCOUNT** to display your subscriptions, see your favorites, see you watch later list, manage your playlists, or upload a video.
5. Tap 🔍 **Search YouTube** and use the keyboard to enter a keyword or phrase to find a YouTube video.
6. While browsing, tap ⚏ **Menu** for these options:
    • **Sign in / Sign out**: Sign in, sign out, or add an account. You may have to sign in to use certain options.
    • **Settings**: Configure display and search settings and view information about the application.
    • **Help**: Display YouTube help information.
    • **Feedback**: Display a YouTube feedback form.

7. Tap a video thumbnail to view the video.

Options While Viewing a Video

Use these options while viewing a video:

1. Tap 🎬 **Add to** and select an available account. THis lets you add the video to your watch later list or your favorites, or add a new playlist.
2. Tap ⮜ **Share** (in landscape mode) or tap ⚏ **Menu** ➔ **Share** (in portrait mode) to use Google+, Wi-Fi Direct, Messaging, Google+, Bluetooth, Gmail, or Email to send the video's URL.
3. Tap ⚏ **Menu** for these options:
    • **Add YouTube TV**: Adds the current selection to your YouTube TV channel listing.
    • **Copy URL**: Copy the URL of the video to the clipboard. For more information, refer to *"Copying Fields or Text"* on page 144.
    • **Flag**: Flag the video for YouTube review.
    • **Settings**: Configure display and search settings and view information about the application.
    • **Help**: Display YouTube help information.
    • **Feedback**: Display a YouTube feedback form.

Applications and Widgets   200

Zinio

Launches a digital magazine reader. Zinio has transformed
your favorite print magazines into digital format.

1. From a Home screen, tap ▦ **Apps → ▮ (Zinio)**.
2. Tap **Sign in** if you already have an account or tap **Join
   Zinio** to continue.
3. Follow the on-screen prompts.

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Section 11: Settings

This section explains Settings for customizing your device.

Accessing Settings

■ From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**.
– or –

From any screen, tap the Time in the System Bar, then tap ⚙ **Settings**. For more information, refer to *"Quick Settings"* on page 33.

The Settings screen displays.

The Settings Screen

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

Wireless and Network

Control your device's wireless connections.

Wi-Fi

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

For more information about using your device's Wi-Fi features, see *"Wi-Fi"* on page 150.

Turning Wi-Fi On or Off

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

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

For more information, refer to *"Quick Settings"* on page 33.

– or –

From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**. On the Wi-Fi tab, tap the **OFF / ON** icon ▭▬ to turn Wi-Fi on or off.

Add Wi-Fi Network

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

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Wi-Fi**, and then select ╋ **Add Wi-Fi network**.
2. Use the keyboard to enter **Network SSID**.
3. Tap the **Security** field and then select a security type.

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

---

4. If necessary, tap **Password** and enter the password or hex key.

Note: COnfirm you have entered the correct password by placing a green check mark in the **Show password** field.

---

5. Select **Save**.

Advanced Settings

Set up and manage wireless access points.

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Wi-Fi**.
2. Tap ☰ **Menu** ➔ **Advanced**.

   The following options display:

   • **Network notification**: Have your device alert you to new Wireless Access Points (WAPs). Tap **Network notification** to turn notifications On or Off. When enabled, a check mark ✅ appears in the check box.

   • **Keep Wi-Fi on during sleep**: Specify when to disconnect from Wi-Fi. Option are: Always, Only when plugged in, or Never.

   • **MAC address**: View your device's MAC address, required when connecting to some secured networks (not configurable).

   • **IP address**: View your device's IP address.

Bluetooth

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

Turning Bluetooth On or Off

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

For more information, refer to *"Quick Settings"* on page 33.

– or –

From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings**. On the Bluetooth tab, tap the **OFF / ON** icon ▭▬▬ to turn Bluetooth on or off.

For more information about using Bluetooth to exchange information with other Bluetooth devices, see *"Bluetooth"* on page 154.

Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Bluetooth**.

2. Tap **Scan** to scan for nearby discoverable devices. After searching, tap a device to pair with it. For more information, refer to *"Pairing with a Bluetooth Device"* on page 155.

3. Tap ☰, **Menu** and select a Bluetooth setting to configure:

   • **Rename device**: Your device's default name displays on screen. Tap to change the device name. Available when Bluetooth is turned On.

   • **Visible time-out**: Use this setting to control when to automatically turn off the Discoverable option: 2 min, 5 min, 1 hour, or Never timeout.

   • **Received files**: Show the list of files received by using Bluetooth.

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Data Usage

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

1. From a Home screen, tap ⬛ **Apps** ➔ ⚙ **Settings** ➔ **Data usage**.

2. Tap the **OFF / ON** icon ▭▬ to turn the Mobile data on or off.

To set a mobile data limit:

1. Tap the **OFF / ON** icon ▭▬ to turn the Mobile data on or off.

2. Place a check mark in the **Set mobile data limit** field.

3. Read the on-screen disclaimer info and tap **OK**.

4. Touch and drag the far right ends of the red or orange horizontal lines to manually adjust both the Warning and Maximum data limits.

5. Touch and drag the bottom grey vertical lines to adjust the time frames.

6. Tap the **Data usage cycle** button and select either the current cycle or define your own by selecting **Change cycle**.

7. Tap **Upgrade data service** to access your account information and review your current plan information and possible upgrade options.

8. Tap an application link (bottom of screen) to review application settings and access restrict background data options.

9. Tap ☰ **Menu** and then select from the available on-screen options:

   • **Data roaming** allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage. For more information, refer to *"Data Roaming"* on page 207.

   • **Restrict background data** prevents background data usage. This can help prevent over usage of your data minutes.

   • **Show Wi-Fi usage** activates an additional Wi-Fi tab that shows you your Wi-Fi data usage.

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

More Settings

This tab displays additional wireless and network information.

■ From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings**.

 Options display for Airplane mode, Mobile networks, Wi-Fi Direct, Data usage, VPN, Kies via Wi-Fi, and Nearby devices.

Airplane Mode

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

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

■ Press and hold the **Power/Lock Key** ⬤ then select **Airplane mode**.

 – or –

 From any Home screen, touch the time, then tap Airplane mode from the Quick Settings menu.

– or –

From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **Airplane mode**, tap the check box, and then select **OK** to turn on Airplane mode.

A check mark ☑ appears in the check box when Airplane mode is On. The Airplane mode icon ✈ is displayed at the top of your screen.

Kies via Wi-Fi

Wi-Fi configuration and usage by Kies Air.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **Kies via Wi-Fi**.

2. Select the source of the Wi-Fi connection for Kies air.

Using Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

■ From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**
➔ **More settings** ➔ **Mobile networks**.

The following options display:

Mobile data

Allows you to activate data network usage on your device.

■ From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**
➔ **More settings** ➔ **Mobile networks** ➔ **Mobile data**.

Data Roaming

Connects to your service provider's partner networks and accesses data services when you are out of your service providers area of coverage.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**
➔ **More settings** ➔ **Mobile networks**.

2. Tap **Data roaming** to connect to data services while roaming outside your network.

– or –

Tap **Data roaming** again to remove the green check mark and deactivate the feature.

Access Point Names

To access a wireless access point:

■ From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**
➔ **More settings** ➔ **Mobile networks** ➔ **Access Point Names**. A list of the Access point names display. The active access point displays a bright green, filled circle to the right of the name.

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Network mode

You can configure your device to either manually detect and use either an Auto (GSM/WCDMA), 2G (GSM only) or 3G (WCDMA only) data network connection.

■ From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **Mobile networks** ➔ **Network mode**.

Using the 4G Network

To confirm you are always using the fastest possible connection, the device has an automatic detection method where it finds both the fastest and most stable connection/communication method. This device is capable of using either 4G/3G services for this connection.

Note: WCDMA is only available on the 4G network.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **Mobile networks** ➔ **Network mode**.

2. Tap **GSM/WCDMA (Auto mode)**. A check mark displays next to this option to indicate that it is active. This is the default mode for this device.

Using the 2G (EDGE) Network

If you are not using applications that require the 3G network speed (any application that accesses the network or uses a browser), using the 2G network saves battery life.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **Mobile networks** ➔ **Network mode**.

2. Tap **GSM only**. A check mark displays next to this option to indicate that it is active.

Note: Connecting to 2G networks slows the data transfer speed and time.

Using the 3G Network

If you are using applications that require the 3G network speed, follow these instructions to connect to the 3G network.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **Mobile networks** ➔ **Network mode**.

2. Tap **WCDMA only**. A check mark displays next to this option to indicate that it is active.

Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

1. From a Home screen, tap ▦ **Apps** ➔ 🔘 **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Network operators**. The current network connection displays at the bottom of the list.

Important! You must deactivate data service prior to searching for an available network.

---

3. Tap **Search now** to manually search for a network.
4. Tap **Select automatically** to automatically select a network connection.

Note: Connecting to 2G networks slows the data transfer speed and time.

Default Setup Options

Your device default is set to Automatic (to automatically search for an available network. You can set this option to Manual to select a network each time you connect.

1. From a Home screen, tap ▦ **Apps** ➔ 🔘 **Settings** ➔ **More settings** ➔ **Mobile networks** ➔ **Network operators**.
2. Tap **Default setup**.
3. Tap **Manual** to locate and connect to a network manually.
   – or –
4. Tap **Automatic** to allow the device to automatically select a network.

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Tethering and Portable HotSpot

The Tethering option allows you to share your device's mobile data connection via a direct USB connection between your device and computer.

The Portable HotSpot feature allows you to turn your device into a Wi-Fi hotspot. The feature works best when used in conjunction with HSPA+ (4G) data services (although 3G service can also be used).

For more information, see

Wi-Fi Direct Settings

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

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

1. From a Home screen, tap ▦ **Apps** ➔ 🔘 **Settings** ➔ **More settings** ➔ **Wi-Fi Direct**.

2. Tap the **OFF / ON** icon ▭▬ to turn Wi-Fi Direct on.

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

3. Tap **OK** to continue. Your device will begin to search for other devices enabled with Wi-Fi direct connections.

Note: Confirm 📶 (**Wi-Fi Direct On**) appears at the bottom of the screen.

4. Tap the Wi-Fi Direct tab to display Available devices.

5. Enable Wi-Fi Direct (similar to Steps 1 and 2) on the device to which you want to connect.

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

---

6. Tap **Scan** and select the single device name to begin the connection process to another Wi-Fi Direct compatible device.

7. Once the device you want to connect to is displayed, tap it.

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

8. On that target device, tap **Accept**.

You have 2 minutes to tap **Accept** on the device to which you want to connect for the connection to be made.

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

For more information, refer to *"Wi-Fi Direct"* on page 152.

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VPN

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

Important! Before you can use a VPN you must establish and configure one.

Adding a VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP, L2TP/IPSec PSK, L2TP/IPSec RSA, IPSec Xauth PSK, IPSec Xauth RSA, IPSec Hybrid RSA.

Note: You must also set a screen unlock PIN or password before you can use credential storage via VPN. For more information, refer to *"Screen Lock"* on page 225.

---

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **More settings** ➔ **VPN**.

2. Tap **Add VPN network**.

3. In the form that appears, fill in the information provided by your network administrator.

4. Tap **Save** to save your VPN settings.

Connecting To a VPN

1. From a Home screen, tap ▦ **Apps** ➔ 🔵 **Settings** ➔ **More settings** ➔ **VPN**.

2. Tap the VPN to which you want to connect.

3. In the pop-up that opens, enter any requested credentials.

4. Tap **Connect**.

Edit a VPN

1. From a Home screen, tap ▦ **Apps** ➔ 🔵 **Settings** ➔ **More settings** ➔ **VPN**.

2. Touch and hold the VPN that you want to edit.

3. In the pop-up that opens, touch **Edit network**.

4. Make the desired VPN setting changes.

5. Touch **Save**.

Delete a VPN

1. From a Home screen, tap ▦ **Apps** ➔ 🔵 **Settings** ➔ **More settings** ➔ **VPN**.

2. Touch and hold the VPN that you want to delete.

3. In the pop-up that opens, touch **Delete network**.

Kies via Wi-Fi

This feature provides Wi-Fi configuration and usage by Kies Air.

1. From a Home screen, tap ▦ **Apps** ➔ 🔵 **Settings** ➔ **More settings** ➔ **Kies via Wi-Fi**.

2. Select the source of the Wi-Fi connection for Kies air.

Nearby Devices

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

Warning! If file sharing is enabled, other devices can access your data. Use the Wi-Fi network and this option with care.

To configure this option:

1. From a Home screen, tap ▦ **Apps** ➔ 🔵 **Settings** ➔ **More settings** ➔ **Nearby devices**.

2. Tap **File sharing** to turn File sharing on.

   A check mark ✅ appears in the check box when File sharing is On.

3. In the Advanced section, set the following options:
   - **Shared contents**: Select the content to share. Choices are: Videos, Photos, and Music.
   - **Device name**: Enter the name for your device. The default is the model number: SAMSUNG-SGH-XXX.
   - **Allowed devices list**: Indicate the devices accessible to your device.
   - **Not-allowed devices list**: Indicate the devices not accessible to your device.
   - **Download to**: Set whether to download data to USB storage or SD card.
   - **Upload from other devices**: If a nearby device attempts to upload data, this setting indicates the response. Options are: Always accept, Always ask, and Always reject.

Sound Settings

General Volume

Set the volume level for all types of sounds.

Note: You can only set volume when Silent Mode is disabled.

---

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Sound** ➔ **Volume**.
2. Touch and drag the sliders to set the volume for:
   - 🔊 **Music**, **video**, **games**, **and other media**: Sounds made by music apps, video apps, and more.
   - ❗ **Notifications**: Sounds for alerts to new messages and other events.
   - 🔊 **System**: Application sounds and other sounds made by your device.

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

---

3. Tap **OK** to save your settings.

Setting a Default Notification

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

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Sound** ➔ **Default notifications**.
2. Tap a ringtone to hear a sample and select it.
3. Tap **OK** to save the setting.

Audible System Tone Settings

These options are used when you use the dialing pad, make a screen selection, lock your screen, or tap the screen. Each time you press a key or make a selection the selected tone sounds. You can activate or deactivate both touch and screen lock sounds.

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Sound**.
2. Tap **Touch sounds** to activate a tone when you touch the screen. A check mark displayed next to this feature indicates active status. When enabled, a check mark ☑ appears in the check box.

3. Tap **Screen lock sound** to activate a tone when you use the Lock screen. A check mark displayed next to this feature indicates active status. When enabled, a check mark ☑ appears in the check box.

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Display Settings

In this menu, you can change various settings for the display such as the font, orientation, pop-up notifications, puzzle lock feature, animation, brightness, screen timeout, and power saving mode.

Adjusting the General Display Features
Brightness

Set the default screen brightness.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Display** ➔ **Brightness**.
2. Touch and drag the slider to set the brightness or tap **Automatic brightness**.
3. Tap **OK** to save the setting.

Screen Timeout

Set the length of delay between the last key press or screen tap and the automatic screen timeout (dim and lock).

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Display**.
2. Tap **Screen timeout** and select the screen delay time. The screen delays shutting off after inactivity for the selected period of time.

   • Selections are: 15 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes, 10 minutes, or 30 minutes.

Auto-Rotate Screen

When this option is checked, the screen orientation changes when you rotate the device. When this option is not checked, the screen orientation locks in the current orientation (landscape or portrait) and the orientation does not change when you rotate the device.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Display**.
2. Tap **Auto-rotate screen** to enable or disable the auto-rotate feature.

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Tip: Tap the Time in the System Bar to display the Quick Settings pop-up. Tap **Screen rotation** to enable or disable the auto-rotate feature. For more information, refer to *"Quick Settings"* on page 33.

Font Style and Size

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

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Display**.
2. Tap **Font style** then select a font.
   • Selections are: **Default font**, **Choco cooky**, **Helvetica S**, **Rosemary**, or **Get fonts online**.
   Tap **Get fonts online** to download additional fonts.
3. Tap **Font size** and select a font size.

Quick Launch

The Quick Launch feature allows you to set multifunctional softkey to open applications.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Display**.
2. Tap **Quick launch**.
3. Tap **None**, **Screen capture**, **Applications**, **Search**, or **Camera**.

   If you choose Screen capture, tap the softkey to capture an image of the current screen and edit the image. Touch and hold to capture and add an image of the current screen to the clipboard.

   The screen image is saved in the /Root/Pictures/ Screenshots folder. For more information, refer to *"My Files"* on page 182.

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Wallpaper

To set the Home Screen and Lock Screen Wallpaper:

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

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**
    ➔ **Wallpaper**.

2. Tap **Home screen wallpaper** or **Lock screen wallpaper**.
    The Select wallpaper from screen displays the
    following options: **Gallery**, **Live wallpapers**, and
    Wallpapers.

    For more information, refer to *"Wallpapers"* on
    page 42.

Power Saving Mode

This feature allows you both automatically set the device to
use a power saving mode and configure additional power
saving options manually, all in an effort to conserve battery
power.When enabled, your device automatically analyzes the
screen and adjusts the brightness to conserve battery power.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**
    ➔ **Power saving**.

2. On the Power saving tab, tap the **OFF / ON** icon ▭▬▮
    to turn Power saving on or off.

3. Tap **Custom power saving** to enable or disable the
    mode. When enabled, a check mark ☑ appears in
    the check box.

4. Tap **Screen timeout** to set the length of delay between
    the last key press or screen touch and the automatic
    screen timeout (dim and lock).

5. Tap **Learn about power saving** to display more
    information about saving power.

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Storage

From this menu you can view the device memory or mount, unmount, or format an SD card.

Device Memory

■ From a Home screen, tap ▦ **Apps ➔** ⚙ **Settings ➔ Storage**.

The Device memory displays as Total space, Apps, Pictures, videos, Audio (music, ringtones, podcasts, etc.), Downloads, Miscellaneous files, and Available space.

To view the memory allocation for your external SD card:

■ From a Home screen, tap ▦ **Apps ➔** ⚙ **Settings ➔ Storage**.

The available SD card memory displays under the SD card heading.

To mount the SD card:

1. From a Home screen, tap ▦ **Apps ➔** ⚙ **Settings ➔ Storage**.

2. Tap **Mount SD card**.

Important! 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.

To Format the SD Card:

1. Ensure the SD card is mounted.

2. From a Home screen, tap ▦ **Apps ➔** ⚙ **Settings ➔ Storage**.

3. Tap **Format SD card ➔ Format SD card ➔ Delete all** to format the SD card. The SD card formats and erases all the data stored on it.

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Battery

This option allows you to view a list of those components using battery power. The amount of time the battery was used also displays. Battery usage displays in percentages per application.

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Battery**.

   The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.

2. From the upper-right tap ↻ **Refresh** to update the list.

   – or –

   Tap an entry to view more detailed information.

3. Tap **Screen**, **Android OS**, or **Android System** to view how the display and the Android system are affecting battery use.

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

Application Manager

You can download and install applications from Google Play or create applications using the Android SDK and install them on your device. Use Applications 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.

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Memory Usage

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

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Application manager**.

2. Tap the **Downloaded** or **Running** tabs 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.

   – or –

   Tap **All** to see all current applications.

Downloaded Apps

Displays apps you have downloaded onto your device.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Application manager**.

2. Tap **Downloaded** to view a list of all the downloaded applications on your device.

3. To switch the order of the lists displayed in the Downloaded tabs, tap ☰ **Menu** ➔ **Sort by size**.

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

   • **Uninstall**: Deletes the application from the tablet.

   • **Clear data**: Clears application data from memory.

   • **Clear cache**: If the app stores data in a temporary area of the device's memory, and the amount of information stored is displayed, touch this button to clearing the temporary storage.

- **Clear defaults**: If you have configured an app to launch certain file types by default, clear that setting.
- **Permissions**: Lists the kinds of information about your device and data to which the app has access.

Uninstalling Third-party Applications

Important! You must have downloaded applications installed to use this feature.

1. From a Home screen, tap ⌗ **Apps ➔** ⚙ **Settings ➔ Application manager**.
2. Tap the **Downloaded** tab and select your desired application.
3. Tap **Uninstall** (from within the top area of the Application info page).
4. At the prompt, tap **OK** to uninstall the application.
5. Select a reason for uninstalling the application, then tap **OK**.

Running Services

To view and control services running on your device:

1. From a Home screen, tap ⌗ **Apps ➔** ⚙ **Settings ➔ 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.
4. Tap **Show services in use** to switch back.
5. Select one of the applications to view application information.
   The following options display:

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

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

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

Note: Options vary by application.

Storage Used

This option allows you to view a list (on the current tab) of current applications as sorted by size.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Application manager**.

2. Tap the **All** tab to display all available applications.

3. Tap ☰ **Menu** ➔ **Sort by size** to change the current list to show items based on the amount of storage they occupy.

Accounts and Synchronization

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

To activate Accounts and sync

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Accounts and sync**.

2. Tap the **Auto sync** icon ▭▭ to turn the feature on.

To deactivate Accounts and sync

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Accounts and sync**.

2. Tap the **Auto sync** icon ▭▭ again to turn the feature off.

Adding an Account

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Accounts and sync**.

2. Tap ✚ **Add account**.

3. Select one of the account types.

4. Use the keyboard and follow the prompts to enter your credentials and set up the account.

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Tip: For more information about the types of accounts that you can add, see *"Accounts"* on page 65.

Removing an Account

Important! Removing an account also deletes all of its messages, contacts, and other data from the device.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Accounts and sync**.
2. Tap an account to display its settings.
3. Tap ▬ **Remove account** ➔ **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Synchronizing All Accounts

Select the items you want to synchronize on your account such as Books, Calendar, Contacts, and more.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Accounts and sync**.
2. Tap **Sync all** to synchronize all your accounts. Tap **Cancel sync** to stop the synchronization.
3. On the **Auto-sync** field, tap the **OFF / ON** icon ▭▬ to turn Auto-sync on or off, which controls whether changes you make to information on your device or on the web are automatically synced with each other.

Data and Synchronization

To sync account information manually:

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Accounts and sync**.
2. Tap an account to display its settings.
3. Tap **Sync now** to synchronize all data for the selected account.

   – or –

   Under **Data and synchronization**, tap the account data to synchronize it, such as, Calendar, Contacts, etc...

Location Services

You value your privacy. So, by default, your device only acquires your location when you allow it. To use Location-Based Services, you must first enable location services on your device.

Use Wireless Networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Use wireless networks option or enable the GPS satellites.

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Location services**.

2. Tap **Use wireless networks** to enable location information using the wireless network.

Use GPS Satellites

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Location services**.

2. Tap **Use GPS satellites** to enable the GPS satellite.

Location and Google Search

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Location services**.

2. Touch **Location and Google search** to use your location data for improved Google Search results and other Google services.

Security

This menu contains features that allows you to configure the device's security parameters.

Screen Unlock Pattern Overview

To secure data and limit access, set the device to require a screen unlock pattern each time you turn on the device, or every time the device wakes up from sleep mode (when the screen automatically turns off).

The Screen lock menu allows to choose from a variety of locking features such as: **Swipe**, **Face Unlock**, **Pattern**, **PIN**, **Password**, and **None**.

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Screen Lock

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see *"Securing Your Device"* on page 20.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.

2. Tap **Screen lock** for these settings:
   - **None**: No pattern, PIN, or password is required.
   - **Swipe**: Swipe the screen to unlock it.
   - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   - **PIN**: Select a PIN to use for unlocking the screen.
   - **Password**: Create a password for unlocking the screen.

Note: Additional options are available only if you set **Screen lock** to display the lock screen (any setting other than **Swipe** or **None**).

Using Swipe

This feature is the least secure locking method and only requires that a user swipe the screen to unlock the device.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.

2. Tap **Screen lock** ➔ **Swipe**.

Using Face Unlock

This feature used facial recognition to unlock your device. This feature is less secure than PIN, Pattern, and Password locks and can be bypassed by someone else who looks similar to you.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.

2. Tap **Screen lock** ➔ **Face unlock**.

3. Read the on-screen notification and tap **Set it up**.

4. Follow the on-screen instructions.

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Setting an Unlock Pattern

Creating a screen unlock pattern increases security on the device. When you enable the User visible pattern field, you will draw an unlock pattern on the screen whenever you want to unlock the device's touch screen.

The feature is now paired with a backup PIN code that acts as a backup to the pattern lock. If you forget your pattern, you can regain access to the device by entering a PIN code.

Note: Make sure the Require Pattern field is activated.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.

2. Tap **Screen lock** ➔ **Pattern**.

3. Review the on-screen animation procedure for drawing a pattern and tap **Next** when you are ready to draw a pattern.

4. Draw your pattern by touching your first on-screen point. Then, **without removing your finger from the screen, drag your finger over adjacent points until the gray trace line overlaps each point** and they are highlighted with a green circle.

5. When you have connected at least four dots in a vertical, horizontal or diagonal direction, lift your finger from the screen and tap **Continue**.

6. Confirm the new pattern by redrawing it and then tapping **Confirm**. The Unlock pattern is set.

7. Enter the backup PIN code and tap **Continue**.
   Reenter the PIN to reconfirm the previous entry and tap **OK**.

Changing the Screen Lock Pattern

This feature allows you to change the previously stored unlock pattern and update it if necessary. This process is similar to changing your password from time to time.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.

2. Tap **Screen lock**.

3. Retrace your current pattern on the screen.

4. Tap **Pattern** and repeat steps 3 - 7 from the previous section.

Deleting the Screen Lock Pattern

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.
2. Tap **Screen lock**.
3. Retrace your current pattern on the screen.
   Tap **None**.

PIN Lock and Unlock

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.
2. Tap **Screen lock** ➔ **PIN**.
3. Enter a PIN number using the numeric keypad and touch **Continue** to confirm the password.
4. Confirm the PIN by re-entering it and tap **OK** to confirm. Your device now requires you to enter this PIN number in order to unlock the device.

Password Lock and Unlock

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.
2. Tap **Screen lock** ➔ **Password**.
3. Enter a password using the keypad and tap **Continue** to confirm the password.
   Confirm the password by re-entering it and tap **OK** to confirm.

With Swipe Lock

Display a lock screen that has to be swiped and then display a lock screen on which the face unlock, pattern, PIN, or password has to be entered.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.
2. Tap the **With swipe lock** check box to activate or deactivate the option. When enabled, a check mark ☑ appears in the check box.

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Lock Screen Options

You can customize the Lock screen with the lock screen options.

Note: This feature is not active until **With swipe lock** is activated.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.
2. Tap **Lock screen options** and set the following options:
   • **Clock**: Activate or deactivate the Lock screen clock. When enabled, a check mark ✓ appears in the check box.
   • **Dual clock**: Tap the **OFF / ON icon** ▭▬ to turn this option on or off. This option shows a dual clock on the lock screen when roaming.
   • **Help text**: Display help text on the lock screen.

Note: After a screen lock feature has been enabled, additional on-screen features appear such as: Make pattern visible, Lock automatically, etc..

Make Pattern Visible

When the **Make pattern visible** option is enabled, the device displays the on-screen lock grid that is used for unlocking.

Note: This option only appears when a screen lock option is active.

Locking Automatically

This option allows you to define the amount of time that must pass before the device can automatically lock on its own.

Note: This option only appears when a screen lock option is active.

Lock Instantly With Power Key

Use this option to enable the lock screen when the power key is pressed. If this option is not enabled, the screen dims or brightens when the power key is pressed.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.
2. Tap **Lock instantly with power key**.

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Owner Information

Use this option to enable or disable whether to show owner information on the lock screen.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security** ➔ **Owner information**.
2. Tap the **Show owner info on lock screen** checkbox to create a checkmark if you want your owner information displayed.
3. Enter text that you would like displayed on your Lock screen.
4. Tap ⬑ **Back** twice to save the new text and return to the previous screen.

Encrypt device

To require a numeric PIN or password to decrypt your tablet each time you power it on:

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.
2. Tap **Encrypt device**. For more information, read the displayed help screen.

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

Encrypt SD card

To require a numeric PIN or password to decrypt the data on the SD card:

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.
2. Tap **Encrypt external SD card**.
3. Follow the on-screen instructions.

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Setting up SIM Card Lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙️ **Settings** ➔ **Security**.
2. Tap **Set up SIM card lock**.
3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

To change an existing SIM Card PIN:

1. Tap **Change SIM PIN**.
2. Enter the old SIM PIN code and tap **OK**.
3. Enter the new SIM PIN code and tap **OK**.
4. Re-type the new SIM PIN code and tap **OK**.

Password Settings

When you create a device password you can also configure the device to display the password as you type it instead of using an asterisk (*).

1. From a Home screen, tap ▦ **Apps** ➔ ⚙️ **Settings** ➔ **Security**.
2. Tap **Make passwords visible** to activate this feature. When enabled, a check mark ✅ appears in the check box.

Device Administration

To add or remove device administrators:

1. From a Home screen, tap ▦ **Apps** ➔ ⚙️ **Settings** ➔ **Security**.
2. Tap **Device administrators** to begin configuring this setting.
3. Select an administrator device and follow the prompts.

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Unknown Sources

Before you can download a web application you must enable the Unknown sources feature (enables downloading). Developers can use this option to install non-Play Store applications.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.

2. Tap **Unknown sources** to active this feature.

    An informational pop-up displays.

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

    When enabled, a check mark ✅ appears in the check box.

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

Note: If you are notified that you can not download a Play Store application because it comes from an "Unknown source", enabling this option corrects this issue.

Credential Storage

This option allows certain applications to access secure certificates and other credentials. Certificates and credentials can be installed to the SD card and password protected.

Trusted Credentials

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

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.

2. Tap **Trusted credentials** to display only trusted CA certificates. A check mark displayed next to the feature indicates secure credentials.

    The trusted credentials screen has two tabs:

    • **System**: Displays CA certificates that are permanently installed in the ROM of your device.

    • **User**: Displays any CA certificates that you installed, for example, in the process of installing a client certificate.

3. Tap a CA certificate to examine its details.

    A scrolling screen displays the details.

4. Scroll to the bottom of the details screen and touch **Disable** to disable a System certificate or **Remove** to remove a User certificate.

Caution! When you disable a system CA certificate, the **Disable** button changes to **Enable**, so you can enable the certificate again, if necessary. When you remove a user-installed CA certificate, it is permanently deleted and must be re-installed, if needed.

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5. Tap **OK** to return to the certificate list.

When enabled, a check mark ✅ appears in the check box.

Install from Device Storage

Install encrypted certificates from a storage device, such as a PC, with the USB cable.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.

2. Tap **Install from device storage**, then choose a certificate and follow the prompts to install.

Clear Credentials

Clear stored credentials.

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

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1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Security**.

2. Tap **Clear credentials** to remove all certificates.

Language and Input

This setting allows you to configure the language in which to display the menus. You can also set on-screen keyboard options.

Language Settings

To set the language that the menus display on the device:

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Language and input** ➔ **Language**.

2. Select a language and region from the list.

Select Input Method

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Language and input** ➔ **Default**.

2. Select an input method.

   – or –

Tap **Configure input methods** to alter/modify the available input methods.

Configure Google Voice Typing

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Language and input**.

2. Tap **Google voice typing** to automatically enable use of Google voice typing.

3. Tap ⚙ next to the Google voice typing entry.

4. Select a language by tapping **Select input languages** area.

5. Remove the check mark from the **Automatic** field. This allows you to select additional languages.

6. Select the desired languages.

7. Activate **Block offensive words** to block recognition of known offensive words or language. (A green check mark indicates the feature is active).

When enabled, a check mark ✅ appears in the check box.

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Configuring the Samsung keyboard

1. Tap ⌨ (bottom-right of screen) ➔ **Set up input methods** in the Status bar and tap ⚙ adjacent to **Samsung keyboard**.

2. Set any of the following options:

   • **Input language**: Used to set a default text entry language. Tap this field, scroll through the options, and select the desired input language. When activated, a check appears in the box.

   • **Predictive text**: Enable or disable XT9 predictive text. When enabled the system suggests words matching your text entries, and, optionally, completes common words automatically. When XT9 is enabled, tap the **Predictive text** field to set the following options:

     – **Word completion**: Enable or disable automatic word completion for words matching your text entries.

     – **Word completion point**: Choose the number of letters for the system to use to predict words for automatic completion.

     – **Spell correction**: Enable or disable automatic spell checking and correction.

     – **Next word prediction**: When enabled, the system predicts the next word based on common usage patterns.

     – **Auto-append**: When enabled, the most common predicted word is automatically added to your text.

     – **Auto-substitution**: When enabled, the system automatically replaces words you enter with words from the XT9 auto-substitution list.

     – **Regional correction**: When enabled, the system automatically changes the spelling of words based on norms for your locale.

     – **Recapture**: When enabled, the system re-displays matching words when you make corrections to a word inserted by the system.

     – **Auto substitution list**: Manage the list of words the system uses for auto-substitution (Auto-substitution setting must be enabled).

   • **My word list**: Add words to your XT9 predictive text dictionary.

   • **Continuous input**: Allows you to enter text by sliding your finger across the keyboard.

   • **Handwriting**: Activate the feature then tap to display the following options:

     – **Recognition time**: Set the recognition time to 100, 300, 500, 1000, or 2000 milliseconds.

     – **Pen thickness**: Set the pen thickness to 1, 3, 5, 7, or 9 pixels.

- **Pen color**: Choose a pen color.
- **Recognition type**: Set the recognition after each stroke or after completion.
- **Gesture guide**: Displays examples of the various gestures that can be used to edit handwriting.
- **Tutorial**: Help for using Handwriting recognition.
- **About**: Displays information about the handwriting software.

• **Voice input**: Enable or disable the Voice input feature. When enabled, you can choose to enter text by speaking the words, using Google's networked speech recognition feature.

• **Auto capitalization**: Enable or disable auto-capitalization. When enabled, the system automatically capitalizes words in your text based on common usage, such as at the beginning of sentences.

• **Auto-punctuate**: Enable or disable automatic insertion of a "full stop" (period and space to end a sentence) by touching the space bar twice.

• **Character preview**: Check to display an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.

• **Key-tap sound**: Check to play a brief sound each time you touch a key on the on-screen keyboard.

• **Tutorial**: Displays help for using the Samsung keyboard and XT9 predictive text.

• **Reset settings**: Reset keyboard settings except XT9 my words and auto-substitution.

Configuring the Swype Keypad

1. Tap 🎛 (bottom-right of screen) ➔ **Set up input methods** in the Status bar and tap ⚙ adjacent to **Swype**.

   • For more information, refer to *"Language and Input"* on page 233.

2. Tap **How to Swype** to view an on-screen manual for Swype. Displays Swype help information. Tap a topic to view the information.

3. Tap **Preferences** to alter these settings:

   • **Sound on keypresses**: turns on sounds generated by the Swype application.

   • **Show helpful tips**: turns on a flashing indicator for quick help.

   • **Auto-spacing**: When enabled, inserts spaces automatically when you pause entering text.

- **Auto-capitalization**: When enabled, automatically capitalizes the first letter of the first word in a sentence.
- **Show complete trace**: When enabled, briefly display the Swype trace.
- **Next word prediction**: When enabled, suggests the next word based on your currently entered text.

Note: If incorrect words are being entered as you type, disabled this feature.

- **Remove**: Delete all words you have added to the Swype dictionary.
- **Version**: View the current Swype software version.

4. Tap **Language Options** to activate and select the current text input language. Default language is US English.
   - Allows you to select the languages available from the Swype keyboard.
   - Your are now also able to download additional language sets.
5. Tap **Swype Connect** to activate social media personalization and configure data settings.

- **Facebook**: allows you to log into your current Facebook account from where contact names are added to your Swpe's personal dictionary for later use when you enter names into text fields. Helps recognize familiar names.
- **Twitter**: allows you to sing into your existing Twitter account from where names and words are added to your personal dictionary. Helps recognize familiar names and words.
- **Gmail**: allows you to sign in to your existing Gmail account from where existing contact information is added to your personal dictionary. Helps recognize familiar names.
- **Contribute data usage**: when enabled, allows the Nuance® application to collect usage data for better word predictions.
- **Cellular data**: when enabled, activates cellular data usage by the Swype application so it can receive program updates, language downloads, and other related features via your existing data connection.

6. Tap **Personal dictionary** to access and manage your personal dictionary.
7. Tap **Updates** to update the application if new software is available.

Configure Google Voice Typing

1. Tap ▦ (bottom-right of screen) ➔ **Set up input methods** in the Status bar and tap ⚙ adjacent to **Google voice typing**.

2. Select a language by tapping **Select input languages** area.

3. Remove the check mark from the **Automatic** field. This allows you to select additional languages.

4. Select the desired languages.

5. Activate **Block offensive words** to block recognition of known offensive words or language. (A green check mark indicates the feature is active).

Configuring Voice Input Recognition

This feature allows the device to correctly recognize verbal input.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Language and input** ➔ **Voice search**.

2. Configure the available options to alter the settings associated with this feature:
   - **Language**: selects an input language and associated dialect recognition (if available).
   - **SafeSearch**: sets the explicit image filter settings. These settings apply to only Google voice search results. Choose from: **Off**, **Moderate**, or **Strict**.
   - **Block offensive words**: allows you to block recognition of known offensive words or language. (A green check mark indicates the feature is active).
   - **Personalized recognition**: improves the accuracy of the speech recognition feature.
   - **Google Account dashboard**: manages your Google collected data.

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Configuring Text-to-speech

This feature allows the device to provide a verbal readout of
on-screen data such as messages and incoming caller
information. This action is called TTS (Text To Speech).

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**
   ➔**Language and input** ➔ **Text-to-speech output**.

2. Select a current Preferred TTS engine from the list of
   available options. The default is Google Text-to-
   speech.

3. Tap ⚙ next to the preferred TTS engine and
   configure.

4. Configure the General options to alter the settings
   associated with this feature:
   • **Speech rate**: adjusts the rate at which on-screen text is
     spoken by the device. Choose from: **Very slow**, **Slow**, **Normal**,
     Fast, and **Very fast**.
   • **Listen to an example**: plays a short example of what the text-
     to-speech feature sounds like on your device when activated.

   • **Driving mode**: when enabled, incoming calls and new
     notifications are automatically ready out loud.
     – Once active, tap the Driving mode field to reveal the associated
       settings.
   • **Driving mode settings**: Tap the Driving mode field and select
     which applications can use TTS while the Driving Mode is
     enabled. Choose from: New emails, Alarm, Schedule, or Unlock
     screen.

Configuring the Mouse-TrackPad

This feature allows you to configure the pointer speed for the
mouse/trackpad.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings**
   ➔ **Language and input**.

2. Tap **Pointer speed** then drag the slide to the right to go
   faster or to the left to go slower.

3. Tap **OK** to save your setting.

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Back up and Reset

Location settings, backup configurations, or reset the device to erase all personal data.

■ From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Back up and reset**.

Device Backup and Restore

The device can be configured to back up your current settings, application data and settings.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Back up and reset**.

2. Tap **Back up my data** to create a backup of your current device settings and applications.

3. Tap **Backup account** to assign the account being backed up.

4. Tap **Automatic restore** to assist in the re-installation of a previously installed application (including preferences and data).

5. Tap **Factory data reset** to reset your device and sound settings to the factory default settings.

Prior to doing a Factory Reset

Before initiating a factory reset, it is recommended that you backup your personal data prior to use.

Factory Data Reset

From this menu you can reset your device and sound settings to the factory default settings.

Use Factory data reset to return your device to its factory defaults. This setting erases all data from the device, including Google or other email account settings, system and application data and settings, and downloaded applications, as well as your music, photos, videos, and other files. If you reset the tablet in this way, the next time you turn on your tablet you are prompted to reenter the same kind of information as when you first started Android.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Back up and reset** ➔ **Factory data reset**.

2. Tap **Reset device.**

3. If necessary, enter your password and tap **Delete all**. The device resets to the factory default settings automatically and when finished displays the Home screen.

Note: If you have set up your Samsung account, it has to be deleted before performing this function. For more information, refer to *"Removing an Account"* on page 223.

Collect Diagnostics

This feature only collects diagnostic data for troubleshooting use.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Back up and reset** ➔ **Collect diagnostics.**

2. Read the on-screen System Manager Application information.

Note: This software collects only diagnostic data from your device so that T-Mobile technicians can better troubleshoot issues with your device.

3. Choose to enable or disable the feature by placing a check mark in the **Allow Diagnostics** field.

4. Select either **More Info..** (to read additional information) or **Close** to close the message screen.

Important! Selecting **Close** only closes the current description scree and does not disable data collection.
To disable data collection, go to **Settings** ➔ **Back up and reset** ➔ **Collect diagnostics** and turn off the **Allow Diagnostics** feature.

Accessory

This menu allows you to assign external speakers when the device is docked.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Dock**.

   Tap **Dock sound** to play sounds when inserting or removing the device from the dock. When enabled, a check mark ☑ appears in the check box.

2. Tap **Audio output mode** to set the HDMI (High-Definition Multimedia Interface) audio setting. Choose from: Stereo or Surround.

Date and Time

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

1. From a Home screen, tap ▦ **Apps ➔** ⚙ **Settings ➔ Date and time**.
2. Tap **Automatic date and time** to allow the network set the date and time.

Important! Deactivate **Automatic date and time** to manually set the rest of the options.

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3. Tap **Automatic time zone** to allow the network set the time zone information automatically. Configure the following settings:
   • **Set date**: Enter the current date (only available when the Automatic setting is disabled).
   • **Set time**: Enter the current time (only available when the Automatic setting is disabled).
   • **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).

• **Use 24-hour format**: Set the format for time displays.
• **Select date format**: Set the format for date displays.

Accessibility

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

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

System

1. From a Home screen, tap ▦ **Apps ➔** ⚙ **Settings ➔ Accessibility**.
2. Configure the following settings:
   • **Auto-rotate screen**: Automatically rotates the screen from landscape to portrait orientation and vice versa.
   • **Speak passwords**: Speaks passwords to enter them.
   • **Accessibility shortcut**: Add a shortcut to Accessibility settings that displays when you press and hold the Power key.
   • **Screen timeout**: Select the screen delay time The screen delays shutting off after inactivity for the selected period of time.

- **Lock automatically**: Lock the screen after it automatically turns off. Options are: Immediately; 5, 15, or 30 seconds; or 1, 2, 5, 10, or 30 minutes.

Note: The Lock automatically option only appears depending on the Screen lock setting.

Services

Enable or disable accessibility services.

Note: You must activate **Accessibility** before enabling services.

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Accessibility**.
2. Tap **TalkBack** to activate TalkBack.

Note: TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.

3. Tap the **OFF / ON** icon ▬▬ to turn TalkBack on.
4. Tap **Settings** to configure TalkBack.

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

Vision

To install Web scripts:

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Accessibility**.
2. Touch **Install Web scripts**.
3. Touch **Allow** to allow applications to install scripts from Google that make their Web content more accessible.

To set the font size:

1. From a Home screen, tap ▦ **Apps** ➔ ◉ **Settings** ➔ **Accessibility**.
2. Touch **Font size**.
3. Touch a font size. Options are: Tiny, Small, Normal, Large, and Huge.

Hearing

When Mono audio is enabled, you can listen through one earphone to mono audio sound.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Accessibility**.

2. Touch **Mono audio**.

   When enabled, a check mark ✓ appears in the check box.

To turn off all sounds including receiver voice:

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Accessibility**.

2. Touch **Turn off all sounds**.

   When enabled, a check mark ✓ appears in the check box.

Mobility

This option allows you to set the Press and hold delay time.

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Accessibility**.

2. Tap **Press and hold delay**, and then touch a delay time. Options are: Short, Medium, and Long.

Developer Options

Set options for application development.

USB Debugging

When enabled, allows debugging when the device is attached to a PC by a USB cable.

Note: This setting is used for development purposes.

---

1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Developer options**.

2. Tap **USB debugging** to enable or disable the setting. When enabled, a check mark ✓ appears in the check box.

Development Device ID

The identification number for your tablet when using it as a development tool displays in this field.

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Allowing Mock Locations

This setting is used by developers when developing location-based applications. If you are a developer who is testing a GPS applications using this device, you can tell the device that the device is at different GPS locations. In other words, the device is allowed to "mock" the coordinates.

Note: This setting is used for development purposes.

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1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Developer options**.
2. Tap **Allow mock locations** to enable or disable the setting.
   When enabled, a check mark ☑ appears in the check box.

Desktop Backup Password

Protect the desktop with a backup password ID.
1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Developer options**.
2. Tap **Desktop backup password**.

3. In the Settings screen, enter the current full backup password, the new password for full backups, then enter the new password again.
4. Tap **Set backup password** to save the password change.

User Interface Options

Configure the user interface by setting the behavior for the way the screen behaves when using applications or displaying data.
1. From a Home screen, tap ▦ **Apps** ➔ ⚙ **Settings** ➔ **Developer options**.
2. Tap the check box next to each option to enable:
   • **Strict mode**: Makes the screen flash when applications perform long operations on the main thread.
   • **Show pointer location**: Highlights the data that was touched on the screen.
   • **Show touches**: Displays touch interactions on the screen.
   • **Show screen updates**: Areas of the screen flash when they update.
   • **Show CPU usage**: Screen highlights the current CPU usage.
   • **Force GPU rendering**: Uses a 2D acceleration in applications.

- **Window animation scale**: Configure the scale for animation (ranges from off to 10x).
- **Transition animation scale**: Configure the scale for transitioning when using animation (ranges from off to 10x).

Application Options

1. From a Home screen, tap ⬜ **Apps** ➔ ⚙ **Settings** ➔ **Developer options**.
2. Tap **Do not keep activities** to destroy every activity as soon as the application is closed.
3. Tap **Limit background processes** to set the number of processes that can run in the background. Options are: Standard limit, No background processes, and 1 to 4 processes at most.
4. Tap **Show all ANRs** to display a prompt when applications running in the background are not responding.

About Device

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

1. From a Home screen, tap ⬜ **Apps** ➔ ⚙ **Settings** ➔ **About device**.
2. Tap items to view details:
   - **Software update**: Connect to the network and download new software. For more information, refer to *"Software Update"* on page 246.
   - **Status**: displays the Battery status, the Battery level (percentage), the Network connection, Signal strength, Mobile network type, Service state, Roaming status, Mobile network state, MDN, ERI, IMEI number, IMEI SV, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.
   - **Legal information**: Display **Open source licenses**, **Google legal**, and **License settings** information.

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- **Model number**: displays the device's model number.
- **Android version**: displays the firmware version loaded on this device.
- **Baseband version**: displays the baseband version loaded on this device.
- **Kernel version**: displays the kernel version loaded on this device.
- **Build number**: displays the software, build number.

Software Update

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

Note: Before you can check for system updates, you must set up a Gmail account. For more information, refer to *"Setting Up Your Gmail Account"* on page 84.

Software Update Options

Once you have set up your Gmail account, you can check for a software update.

Note: The software update notification appears as at the bottom-right of the screen.

1. From a Home screen, tap ▦ **Apps ➔** ⚙ **Settings ➔ About device ➔ Software update**.
2. Read the Software update information screen.
3. Select an available option:

Note: You configure the device's software update parameters.

- **Cancel**: Tap this option to cancel the operation.
- **Wi-Fi settings**: Enable this option to only download available updates via an active Wi-Fi connection. If disabled, the device will begin available downloads via its' T-Mobile connection.
- **OK**: Tap this option to connect to the remote server, detect if there is an available update, the begin the download over your existing data connection.
  - Software updates can include bug fixes, enhancements to services, to the device or currently installed software.

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Section 12: Health and Safety Information

This section outlines the safety precautions associated with using your Galaxy Tab. The terms "GALAXY" or "mobile device" are used in this section to refer to your Galaxy Tab. **Read this information before using your mobile device.**

Exposure to Radio Frequency (RF) Signals

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

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

Do cell phones pose a health hazard?

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

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

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

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

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

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

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

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

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

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

Interphone Study

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

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a

slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

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

International Cohort Study on Mobile Phone Users (COSMOS)

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

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

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

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

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

Cell Phone Industry Actions

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

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

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

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

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

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

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

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

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

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

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

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

• Reduce the amount of time spent on the cell phone;

• Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

• FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/.

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

Specific Absorption Rate (SAR) Certification Information

Your wireless mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless devices to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the mobile device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the mobile device while operating can be well below the maximum reported value. This is because the mobile device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the mobile device.

Before a new model mobile device is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model mobile device are performed in positions and locations (e.g. near the body) as required by the FCC.

For typical operations, this mobile device has been tested and meets FCC SAR guidelines.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model device as reported in the FCC equipment authorization grant is:

• Body: 1.55 W/kg.

SAR information on this and other model mobile devices can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model mobile device, this site uses the mobile device FCC ID number, which is usually printed somewhere on the case of the mobile device.

Once you have the FCC ID number for a particular mobile device, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular

mobile device. Additional SAR information can also be obtained at

http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful

interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Smart Practices While Driving

On the Road - Off the Tablet

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

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or using a mobile device - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes**

impaired. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

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

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

If you consider a chat necessary and appropriate, follow these tips:

• Use a hands-free device;

• Secure your mobile device within easy reach;

• Chat when you are not moving;

• Plan chats when your car will be stationary;

• Do not engage in stressful or emotional conversations;

• Let the person with whom you are speaking know that you are driving and will suspend the chat if necessary;

• Do not take notes or look up information while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as Web browsing or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

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

- **Do not let the GALAXY or battery come in contact with liquids**. Liquids can get into the GALAXY's circuits, leading to corrosion. Even when the GALAXY appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the GALAXY and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the GALAXY or the battery and could cause the GALAXY or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your GALAXY in your car in high temperatures.
- **Do not dispose of the GALAXY or the battery in a fire**. The GALAXY or the battery may explode when overheated.
- **Avoid dropping the GALAXY**. Dropping the GALAXY, especially on a hard surface, can potentially cause damage to the GALAXY. If you suspect damage to the GALAXY or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.

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Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your GALAXY.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the GALAXY caused by non-Samsung-approved batteries and/or chargers.
- **Do not use incompatible batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible batteries and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

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

To find the nearest recycling location, go to: www.samsung.com/recyclingdirect or call 1-877-278-0799.

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this mobile device has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

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

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

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

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

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

GPS

GALAXY can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense

policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Navigation

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

before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.

Emergency Communication

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

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits.

If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

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

Microwaves

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

Dust and Dirt

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

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations.

Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices).

Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential

hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

• Always turn the volume down before plugging the earphones into an audio source.

• Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.

• Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.

• When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.

- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
 http://www.audiology.org/Pages/
default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
 http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH
(1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

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

1-888-232-6348 TTY

Operating Environment

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

Using Your Mobile Device Near Other Electronic Devices

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

Implantable Medical Devices

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

Persons who have such devices:

• Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;

• Should not carry the mobile device in a breast pocket;

• Should use the ear opposite the implantable medical device to minimize the potential for interference;

• Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;

- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

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

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or use services that increase your mobile device bill.

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

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with

the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

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

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

Other Important Safety Information

- Only qualified personnel should service the mobile device. Faulty service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment used in your vehicle are securely mounted.

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

- Failure to observe these instructions may lead to the suspension or denial of network services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 13: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's devices and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Tablet	1 Year
Batteries (Including Internal Batteries)	1 Year
Case	90 Days
Other Tablet Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of Product by Purchaser.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG Tablet for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, without charge to Purchaser, or at SAMSUNG's sole option, refund the purchase price.

SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period

equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. This Limited Warranty is extended to the Purchaser and is not transferable or assignable to any other person or entity.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, Purchaser must return the Product to an authorized Tablet service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-800-SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

Purchaser should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

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

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

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action.

The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting

out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

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

Phone: 1-800-SAMSUNG

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

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9. THIRD-PARTY APPLICATIONS. Certain third-party applications may be included with, or downloaded to this mobile device. SAMSUNG makes no representations whatsoever about any of these applications. Since SAMSUNG has no control over such applications, Purchaser acknowledges and agrees 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. Purchaser expressly acknowledges and agrees that use of third-party applications is at Purchaser's sole risk and that the entire risk of unsatisfactory quality, performance, accuracy and effort is with Purchaser. It is up to Purchaser to take precautions to ensure that whatever Purchaser selects 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 Purchaser, and do not constitute or imply an endorsement, sponsorship, or recommendation of, or affiliation with the third-party or its products and services. Purchaser agrees that SAMSUNG shall not be responsible or liable, directly or indirectly, for any damage or loss caused or alleged to 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. Purchaser acknowledges and agrees that your use of any third-party application is governed by such third-party application provider's Terms of Use, License Agreement, Privacy Policy, or other such agreement and that any information or personal data you provide, whether knowingly or unknowingly, to such third-party application provider, will be subject to such third-party application provider's privacy policy, if such a policy exists. SAMSUNG DISCLAIMS ANY RESPONSIBILITY FOR ANY DISCLOSURE OF INFORMATION OR ANY OTHER PRACTICES OF ANY THIRD-PARTY APPLICATION PROVIDER.

10. Disclaimer of Warranty Regarding Third-Party Applications. SAMSUNG DOES NOT WARRANT OR MAKE ANY REPRESENTATIONS REGARDING THE AVAILABILITY, USE,

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