Samsung GALAXY S III ®

available at **T · ·Mobile·**

4 G   L T E   S M A R T P H O N E

User Manual

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

SAMSUNG

Email

Email enables you to review and create email using most email services. The device alerts you when you receive an email message.

　　　From the Home screen, tap ▦ (**Apps**) ✉ (**Email**).

For more information, refer to "Using Email" on page 115.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

1. From the Home screen, tap ▦ (**Apps**) ▧ (**Flipboard**).

2. Follow the on-screen instructions.

G+ Photos

This application provides a shortcut to the Photos tab inside the Google+ app.

1. From the Home screen, tap ▦ (**Apps**) (**G+ Photos**).

2. Follow the on-screen instructions.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or caller image, and share as a picture message.

　　　From the Home screen, tap (**Apps**) (**Gallery**).

For more information, refer to "The Gallery" on page 147.

Gmail

Google Mail (Gmail) is a web-based email service. Gmail is configured when you first set up your device. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the Web.

► From the Home screen, tap 🔲 (**Apps**) ➔ 📩 (**Gmail**).

For more information, refer to "Using Google Mail" on page 126.

Creating a New Google Account

You should create a Google™ Account when you first use your device in order to fully utilize the functionality. This account provides access to several device features such as Gmail™, Hangouts™, and the Google Play Store™ applications. Before you are able to access Google applications, you must enter your account information. These applications sync between your device and your online Google account.

Signing into Your Google Account

1. Launch an application that requires a Google account (such as Play Store or Gmail).

2. Click **Existing**.

3. Tap the **Email** and **Password** fields and enter your information.

4. Tap ▶ (**Sign in**). Your device communicates with the Google servers to confirm your information.

5. If prompted, you can enable the option to stay up to date on news and offers, then tap **OK**.

Opening Gmail

1. From the Home screen, tap 🔲 (**Apps**) ➔ 📩 (**Gmail**).

2. Tap an existing email message.

Google

Use Google Search to search the Web. Google Now® (a part of the Google application) recognizes a user's repeated actions performed on the device (including access of common locations, repeated calendar appointments, search queries, etc.). This information is then used to display more relevant information to the user in the form of "cards". These scrollable on-screen cards are displayed when the Google Now application is launched.

These cards are not manually added. The service uses your GPS, Google Search, and usage information to generate these cards automatically.

From the Home screen, tap ▦ (**Apps**) ⑧ (**Google**) and enter the search text.

– or –

Tap 🎤 on the Google Search bar and say the search information.

To initially set up Google Now:

1. Press and hold ▭ (**Home**) and then tap ⑧ (**Google Now**).

   – or –

   From the Home screen, tap ▦ (**Apps**) ⑧ (**Google**).

2. Follow the on-screen instructions to review the available information.

3. When prompted, agree to launch the application. Some initial on-screen "cards" are shown. A default is the Weather card that provides updated weather information in your area.

To configure the Google Now settings:

1. From the Home screen, tap ▦ (**Apps**) ⑧ (**Google**).

2. Press ▤ and select **Settings**.

3. Access each desired Settings page and configure it as desired.

When these condition are met, new card information will begin to appear in the Google Now list of cards.

Note: Google Now will recognize searches and display them on your device, even if that search took place on your home computer or on another device. These searches are linked into your Google Account.

Google Settings

As Google has become more intertwined with other applications, this menu provides a quick and ready access point to configure preferences for Google+, Maps & Latitude, Location, etc.. You can also use the Search function to initiate a Google Search from this menu.

1. From the Home screen, tap ▦ (**Apps**) (**Google Settings**) and select an on-screen option.

2. Select one of the available on-screen options.

Follow the on-screen prompts.

Google +

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account. For more information, refer to "Creating a Samsung Account" on page 276.

2. From the Home screen, tap ▦ (**Apps**) 8+ (**Google+**).

3. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.

4. Follow the on-screen instructions to use Google+.

5. Visit www.google.com/mobile/+/ for more information.

Google+ instant upload may resize your images in order to reduce size.

Group Play

This application lets you share documents, photos or music in real-time with other connected friends.

Note: Group Play is not the same as Screen mirroring which requires a connection to a Wi-Fi capable Samsung TV or via the use of the AllShare Cast Hub.

Important! To share a Group Play, all users must be connected to the same Wi-Fi access point.

1. From the Home screen, tap (**Apps**) (**Group Play**).
2. Read the on-screen Disclaimer and tap **Agree**.
3. Follow the on-screen tutorials.

Creating a group

If you have media you want to share, create a group for other users to join to and then share/collaborate with what you are sharing.

The creator of the group is the leader and it the source of the shared file. All other joined members can then interact with the file being shared.

1. Connect to an active Wireless Access Point and confirm your other participants are also connected to this same Wi-Fi.
2. From the Home screen, tap (**Apps**) (**Group Play**).
3. Tap the **Set group password** field to enable the function which requires users to enter a password prior to connecting to your new group.
4. Tap **Create group**. If previously selected, enter your group password and tap **OK**. Mobile AP is enabled.
5. Tap one of the media items listed under the **Share and play content** heading.
6. Tap to select the items you want to share (indicated by a checkmark), then tap **Done** or **OK**.

7. Have your friends sign onto Group Play from their devices (see below) and they can view your media using you as a Mobile AP.

Joining a group

A joiner is the participant of an already created group. You can only view and interact with media shared by the leader of an existing group.

1. Connect to an active Wireless Access Point and confirm your connection is this same Wi-Fi as the group leader.

2. From the Home screen, tap ▦ (**Apps**) ▦ (**Group Play**).

3. Tap **Join group**. Your device then scans for available groups for you to join.

4. Select a group to join. Once connected, you can then select the shared content and interact with your group's shared media.

5. Press ▭ and select **Help** for additional information.

Hangouts

Previously known as Google Talk™, is an updated place to hangout, share photos, and even video calls. This is a free web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

Note: Before using this application, you must first have an active Gmail account available and be currently logged in.

1. From the Home screen, tap ▦ (**Apps**) 💬 (**Hangouts**).

Note: Make sure you are logged into your Google account.

2. When prompted, read the on-screen information and tap **OK**.

3. Confirm your phone number is correct before using the application. Tap **Confirm**.

Note: Confirming your phone number does not make it publicly available.

Help

Provides access to built-in Help information.

1. From the Home screen, tap ▦ (**Apps**)
   ❷ (**Help**).

2. Select an on-screen topic and follow the built-in navigations.

Internet

Your device is equipped with a Google browser to navigate the mobile Web. This section explains how to navigate the browser and use the basic features.

Accessing the Internet

To access the Browser:

From the Home screen, tap ▦ (**Apps**)
🌐 (**Internet**).

Navigating with the Browser

1. Tap an entry to select an item.

2. Sweep the screen with your finger in an up or down motion to scroll through a website.

3. To return to a previous page, tap ← .

4. To move forward to a web page, tap → .

Browser Options

1. From the top of the browser screen, select one of the available options:
   • **Navigation**: use the forward and back buttons to navigate through your browsing activity.
   • **Refresh**: reloads the current page.
   • **Windows**: displays a list of the windows you have open.
   • **Bookmarks**: provides access to the Bookmarks screen.
   – or –

   From the home page, press ▤ to access the following options:

   • **New window**: launches a new browser window. By default, this screen shows the web2go home page.
   • **Add bookmark**: allows you to add a URL to your bookmark list.

- **Add shortcut**: allows you to add a shortcut to your Home screen.
- **Share via**: allows you to share the page using Add to Dropbox, Bluetooth, ChatON, Copy to clipboard, Drive, Email, Flipboard, Gmail, Google+, Hangouts, Messages, S Memo, or Wi-Fi Direct.
- **Find on page**: allows you to search in the current page.
- **Desktop view**: allows you to assign the browser to display the current page in the desktop view (to closely mimic the display as it would appear on a Desktop computer).
- **Save for offline reading**: allows you to store the current page in memory so that it can be read later even if you loose your Internet connection.
- **Brightness**: allows you to assign a brightness level specifically for the browser window. This is independent of the brightness assigned within the device's Settings menu.
- **Downloads**: displays the download history.
- **Print**: provides print access on compatible Samsung printers.
- **Settings**: allows you to change the way you view your web pages by changing these options. For more information, refer to "Browser Settings" on page 177.

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Entering a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website:

From the homepage tap the **URL** field at the top of the screen, enter the URL and tap Go .

Using Reader Mode

When activated, this feature restructures the current Web page to provide a more reader-friendly experience. The text size can be adjusted for easier reading.

1. From the Home screen, tap (**Apps**) (**Internet**).
2. Navigate to a graphic heavy or content rich Web page.
3. If (**Reader Mode**) appears in the Address bar, tap it to activate the feature.
4. Adjust the Font size or tap (**Share via**).
   - **Share via**: allows you to share the picture via Add to Dropbox, Bluetooth, ChatON, Copy to clipboard, Drive, Email, Flipboard, Gmail, Google+, Hangouts, Messages, S Memo, or Wi-Fi Direct.

Search the Internet

To perform an Internet search using keywords:

1. From within the Google search application, tap the **Google** search field, enter the keyword(s) to search using the on-screen keypad.

2. Tap the entry from the list of search results that are displayed.

3. Tap a link to view the website.

Adding and Deleting Windows

You can have several Internet windows open at one time.

To add a new window:

1. From your browser window, tap [1] (**Window**) [+] (**New window**).

2. A new browser window displays.

Note: The number of currently open windows is displayed at the bottom of the WIndows screen.

3. Scroll across the screen to view the currently active windows and tap an entry to launch the selected Internet window.

To delete an existing window:

1. From your browser window, tap [2] (**Windows**).

2. Scroll across the available windows and locate your target window.

3. Tap ⊖ next to the listing to delete the window.

Going Incognito

The incognito feature allows you to view Internet sites outside of the normal browsing. Pages viewed in this incognito window won't appear within your browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

1. From your browser window, tap [2] (**Windows**) [✉] (**Incognito**).

2. A new browser window displays.

Note: The new browser window appears grey while you are in this mode.

To exit from the incognito window:

1. From your browser window, tap [**2**] (**Windows**).

2. Scroll across the available windows and locate the incognito window.

3. Tap ⊖ next to the incognito listing to delete this window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites display in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the webpage, tap [★] (**Bookmarks**). The **Bookmarks** page displays. Additional pages include **History** and **Saved pages**.

2. Press ▤ to display the following options:
   • **List/Thumbnail view**: select **Thumbnail view** (default) to view a thumbnail of the webpage with the name listed, or select **List view** to view a list of the bookmarks with Name and URL listed.

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• **Create folder**: creates a new folder in which to store new bookmarks.

• **Change order**: rearranges the current bookmarks.

• **Move to folder**: selected bookmarks are moved to a selected folder.

• **Delete**: erases selected bookmarks.

3. Tap a bookmark to view the webpage, or touch and hold a bookmark for the following options:
   • **Open**: opens the webpage of the selected bookmark.
   • **Open in new window**: opens the webpage in a new window.
   • **Edit bookmark**: Allows you to edit the name or URL of the bookmark. For more information, refer to "Editing Bookmarks" on page 176.
   • **Add shortcut**: adds a shortcut to the bookmarked webpage to your phone's Home screen.
   • **Share link**: allows you to share a URL address via Add to Dropbox, Bluetooth, ChatON, Copy to clipboard, Drive, Email, Flipboard, Gmail, Google+, Hangouts, Messages, S Memo, or Wi-Fi Direct.
   • **Copy link Web address**: allows you to copy the URL address to use in a message.

- **Delete bookmark**: allows you to delete a bookmark. For more information, refer to "Deleting Bookmarks" on page 176.
- **Set as homepage**: sets the bookmark to your new homepage.

Adding Bookmarks

1. From the webpage, tap ★ **Add bookmark**.
2. Use the on-screen keypad to enter the name of the bookmark and the URL.
3. Select a storage location for your new bookmark.
4. Update the title of the Bookmark and confirm the URL.
5. Tap **Save**. The new save page now appears on the Bookmarks page.

Editing Bookmarks

1. From the Bookmarks page, touch and hold the bookmark you want to edit.
2. Tap **Edit bookmark**.
3. Use the on-screen keypad to edit the name of the bookmark or the URL.
4. Tap the **Location** field to assign a new folder location.
5. Tap **Save** or **Cancel** to exit the operation.

Deleting Bookmarks

1. From the Bookmarks page, touch and hold the bookmark you want to delete.
2. Tap **Delete bookmark**.
3. At the confirmation window, tap **OK**.

Emptying the Cookies

A cookie is a small file placed on your phone by a website during navigation. In addition to containing some site-specific information, a cookie can also contain some personal information (such as a username and password) which might pose a security risk if not properly managed. You can clear these cookies from your device at any time.

1. From an active Web page, press ▤ and then tap **Settings** → **Privacy and security** → **Clear all cookie data**.
2. Tap **OK** to delete the cookies or tap **Cancel** to exit.

Using Web History

The History list displays a list of the most recently viewed websites. These entries can be used to return to previously unmarked web pages.

1. From the webpage, tap ⭐ **History** tab.
2. Select a visited range category. Choose from: Today, Yesterday, or Most visited.
3. Tap an entry to display the webpage.

   – or –

   Press 🔲 and then tap **Clear history** to delete the current History list.

Saved Pages

The Saved pages list provides you with a list of the websites that you have saved.

1. From the webpage, tap ⭐ **Saved pages** tab.
   A list of your saved webpages is displayed with their Name. The webpages that have been visited the most will appear at the top.
2. Tap any entry to display the webpage.

Browser Settings

To configure browser settings:

1. From the Home screen, tap ▦ (**Apps**) 🌐 (**Internet**).
2. Press 🔲 and then tap **Settings**.
3. Choose an option from the following categories:

   General:

   • **Set home page**: sets the current home page for the Web browser.
   • **Form auto fill**: allows you to fill in Web forms with a single tap.
   • **Auto fill text**: allows you to set the text used for the Web form auto-fill feature.

   Privacy and security:

   • **Clear cache**: deletes all currently cached data. Tap **OK** to complete the process.
   • **Clear history**: clears the browser navigation history. Tap **OK** to complete the process.
   • **Show security warnings**: notifies you if there is a security issue with the current website. Remove the check mark to disable this function.

- **Accept cookies**: allows sites, that require cookies, to save and read cookies from your device.
- **Clear all cookie data**: deletes all current browser cookie files.
- **Remember form data**: allows the device to store data from any previously filled out forms. Remove the check mark to disable this function.
- **Clear form data**: deletes any stored data from previously filled out forms. Tap **OK** to complete the process.
- **Turn on location**: allows websites to request access to your location.
- **Clear location access**: clears location access for all websites. Tap **OK** to complete the process.
- **Remember passwords**: stores usernames and passwords for visited sites. Remove the check mark to disable this function.
- **Clear passwords**: deletes any previously stored usernames or passwords. Tap **OK** to complete the process.
- **Turn on notifications**: enables notifications for all websites. Select either: Always on, On demand (user driven), or Off.
- **Clear notifications**: clears Web notification access for all websites. Tap **OK** to complete the process.

Accessibility:

- **Force zoom**: allows you to override a website's zoom setting and forces a zoom view.
- **Text size**: allows you to manually adjust the size of the on-screen text size (Scale text up and down), Zoom amount on double tap, and minimum font size via the use of an on-screen slider.
- **Inverted rendering**: allows you to adjust the way a Web page is displayed to make it easier to view or read. Enabling this feature causes a page to rendered in reverse - Black becomes white and vice versa. On-screen white text is displayed as white text on a black background.
- **Contrast**: allows you to adjust the on-screen contrast.

Note: The Contrast feature is disabled until the Inverted rendering function is active.

Advanced:

- **Select search engine**: allows you to choose a default search engine for your phone. Choose from: **Google**, **Yahoo!**, or **Bing**.
- **Open in background**: new pages are launched in a separate page and displayed behind the current one. Remove the check mark to disable this function.
- **Turn on JavaScript**: enables javascript for the current Web page. Without this feature, some pages may not display properly. Remove the check mark to disable this function.
- **Allow multiple tabs per app**: provides the ability for different applications to launch separate tabs.
- **Turn on plug-ins**: allows the download of plug-ins such as Adobe Flash.
- **Default storage**: sets the default storage to Device or Memory card.
- **Website settings**: view advanced settings for individual websites.
- **Default zoom**: adjusts the zoom feature. Set to Far, Medium, or Close.
- **Open pages in overview**: displays an overview of recently viewed web pages.

- **Auto fit pages**: allows web pages to be resized to fit as much of the screen as possible.
- **Block pop-ups**: prevents popup advertisement or windows from appearing on-screen. Remove the check mark to disable this function.
- **Text encoding**: adjusts the current text encoding.
- **Reset to default**: clears all browser data and resets all settings to default.

Bandwidth Management:

- **Preload search results**: allows the browser to preload high confidence search results in the background. If the device can accurately guess your in progress search, it will preempt you by beginning to load the matching Web page before you complete the search request.
- **Page preloading**: allows the browser to preload pages in the background.
- **Load images**: allows web page images to load along with the other text components of a loaded website.

Labs:

- **Quick controls**: allows you to enable on-screen quick controls via the use of Swype thumb actions.
- **Full screen**: allows Web pages to be resized to fit as much of the screen as possible.

KNOX

Samsung KNOX is a comprehensive enterprise mobile solution for use with both work and play. With the increasing use of smartphones in businesses, Samsung KNOX addresses the mobile security needs of enterprise IT without invading the privacy of its employees. This application must be downloaded to the device before use.

For more information, go to: www.samsung.com/knox.

1. From the Home screen, tap ![Apps icon] (**Apps**) ![KNOX icon] (**KNOX**).

2. Tap **Install** and read the on-screen Terms and Conditions, agree to the terms and tap **Confirm**.

3. Follow the on-screen instructions.

Maps

Google Maps allow you to track your current location, view real-time traffic issues, and view detailed destination directions. There is also a search tool included to help you locate places of interest or a specific address. You can view locations on a vector or aerial map, or you can view locations at the street level.

Important! Before using Google Maps you must have an active data (3G/4G) or Wi-Fi connection. The Maps application does not cover every country or city.

From the Home screen, tap ![Apps icon] (**Apps**) ![Maps icon] (**Maps**).

Important! For best results, it is recommended that you enable all of your location services. For more information, refer to "Location Services" on page 279.

Enabling a Location source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

Important! The more location determining functions are enabled, the more accurate the determination will be of your position.

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1. From the main **Settings** page, tap **More** tab **Location services**.
2. Tap **Access to my location** to enable sharing your location with requesting applications.
3. Tap **Use GPS satellites** to enable the GPS satellite.
4. Tap **Use wireless networks** to allow apps to use data from sources such as Wi-Fi and mobile networks to provide a better approximation of your current location.

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

Opening Maps

1. From the Home screen, tap (**Apps**) (**Maps**).
2. Tap **Accept & continue** from within the Welcome page.
3. Tap the bottom-right My location button to find your location on the map with a blinking blue dot.
4. Locate the top row of the buttons to access additional options.

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Messages

This application allows you to use the Short Message Service (SMS) to send and receive short text messages to and from other mobile phones.

You can also use the Multi Media Service (MMS) to create multimedia messages to send and receive from other mobile phones.

From the Home screen, tap ▦ (**Apps**) ✉ (**Messages**).

For more information, refer to "Messages" on page 101.

Mobile HotSpot

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

1. From the Home screen, tap ▦ (**Apps**) 📶 (**Mobile HotSpot**).
2. Activate the desired connection method.

For more information see either "USB Tethering" on page 234 or "Mobile HotSpot" on page 235.

Music

The Music player is an application that can play music files. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. From the Home screen, tap ▦ (**Apps**) ▶ (**Music**).
2. Tap a library category tab to select the music category: **Songs**, **Playlists**, **Albums**, **Artists**, or **Folders**.
3. Scroll through the list and tap an entry to begin playback.

4. Use any of the following Music player controls:

⏸	Pause the song.
▶	Start the song after pausing.
⏮	Press and hold to rewind the song. Tap to go to previous song.
⏭	Press and hold to fast-forward the song. Tap to go to next song.
🔊	Volume control and SoundAlive.
A	Plays the entire song list once.
🔁	Replays the current list when the list ends.
🔂	Repeats the currently playing song.
🔀	shuffles the current list of songs randomly.
🔀	songs play in order and are not shuffled.
🎵	lists the current playlist songs
∨	Returns the user to the music category screen.
⭐	Assign the current song as a Favorite.
📲	Streams the current music file to another device via Samsung Link.

Making a Song a Phone Ringtone

1. From within the **Music** application, tap the **Songs** tab.

2. Touch and hold a song from the list to reveal the on-screen context menu.

3. Tap **Set as   Phone ringtone.**

4. Select **Done**.

5. Additional Set as options include **Caller ringtone** and **Alarm tone**.

Music Options

The Music Settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

With the Music player application displayed and playing a song, press ▤ and select one of the following options:

• **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.

• **Play via Group Play**: allows you to share music with others via the Group Play application. All users must be connected to the same Wi-Fi.

- **Add to playlist:** allows you to add the current music file to a selected playlist.
- **Set as**: allows you to set the current song as a Phone ringtone, Caller ringtone, or Alarm tone.
- **Settings**: allows you to change your music player settings.
- **Details**: allows you to view media info such as Artist, Title, Album, Track length, Genre, Track number, Format, Bit depth, Sampling rate, Size, and Location.
- **End**: closes the application.

Music Settings

The settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From within the **Music** application, press ▤ **Settings**.

2. Select one of the following settings:

- **Music menu**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.
- **SoundAlive**: set a type of equalization such as Normal, Pop, Rock, Dance, Jazz, Classic, etc.
- **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.
- **Music auto off**: when enabled, sets a timer for the Music application to automatically turn off after a pre-selected amount of time.
- **Lyrics**: when activated, the lyrics of the song are displayed if available.
- **Smart volume**: when activated, automatically adjusts each track's volume to an equal level.
- **Voice control**: when activated, allows you to use voice control commands to control the music player.

Using Playlists

Playlists are used to assign music files into groups for playback. These Playlists can be created using the Music player on this device, or using a third-party application (such as Windows Media Player) and downloading those files to an SD card inserted into the device.

Creating a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Press ▤ and then tap **Create playlist**.
3. Delete the default playlist title and type a new name for this playlist, then tap **OK**.

Adding Music to a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Tap the playlist name in which to add music.
3. Tap ➕ (**Add music**). This option is available within user-created playlists.

Note: If a playlist is empty, add a song by touching a holding a song name from the main screen to open the context menu. Select **Add to playlist** and choose the playlist.

4. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Tap the playlist name in which to delete music.
3. Touch and hold a song to reveal the on-screen context menu.
4. Tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also share, delete, or rename the playlist.

Note: Only those playlist you have created can be edited. Default playlists can not be renamed.

1. From within the **Music** application, tap the **Playlists** tab.
2. Touch and hold a playlist entry to reveal the on-screen context menu.
3. Tap **Edit title**.
4. Enter a new name for this playlist and tap **OK**.

Transferring Music Files

Music files can be downloaded to the phone using one of two methods:

1. Downloaded to the device from the Play Store. Music files are directly stored on your phone.
2. Downloaded to the phone via a direct USB connection. Music files are stored into a Music folder on the SD card.

Removing Music Files

1. From within the **Music** application, tap the **Songs** tab.
2. Touch and hold a song entry to reveal the on-screen context menu.
3. Tap **Delete   OK.** The music file(s) is deleted.

My Files

This application allows you to manage your sounds, images, videos, Bluetooth files, Android files, and other memory card data in one convenient location. This application allows you to launch a file if the associated application is already on your phone (ex: MP4).

From the Home screen, tap **|||||** (**Applications**) **▭** (**My Files**).

Note: Navigation in this viewer works on a hierarchy structure with folders, subfolders, etc.

Note: The application lets you view supported image files and text files on both your internal storage and microSD card.

Opening and Navigating within Files

DCIM is the default location for pictures or video taken by the device. These files are actually stored in the DCIM folder location.

1. From the Home screen, tap ▦ (**Applications**) ▭ (**My Files**).

2. Tap a folder and scroll down or up until you locate your selected file.

   • **Home tab** ⌂ allows you to back up to the root directory.

   • **Up tab** ⬆ allows you to back up into a higher directory.

   • Press ▤ and then tap **View by** to change the way the files are displayed on-screen. Choose from: **List**, **List and details**, or **Thumbnail**.

3. Press ▤ for these additional options: **Select all**, **Create folder**, **Search**, **View by**, **Sort by**, and **Settings**.

To navigate:

1. Tap **All files   Device storage/SD memory card** to see the contents of either device or your internal SD card.

2. The following folders may display:

   • **ShareShot**: displays the files shared via a group share shot session.

   • **Alarms**: this folder contains any alarm files you may have.

   • **Android**: the Android folder stores files that are used in Android applications.

   • **Bluetooth**: this folder stores files sent via a Bluetooth device.

   • **DCIM**: this is the default location for pictures and videos taken by the device. Tap **DCIM   Camera** to view the picture or video files.

   • **Download**: this folder contains downloads you have made.

   • **Movies**: this folder contains your Video and Movie files.

   • **Music**: this folder contains your Music files.

   • **Notifications**: this folder contains all of the notifications you have received.

   • **Pictures**: this folder contains your photos.

   • **Podcasts**: this folder contains all of your podcasts.

- **Ringtones**: this folder contains any ringtones you have purchased.

Note: Different folders may appear depending on how your phone is configured.

3. Once you have located your file, tap the file name to launch the associated application.

Paper Artist

This graphic application provides a user with the ability to start from either an empty canvas or by importing a picture from your Gallery or as a new image.

1. From the Home screen, tap ![Apps icon] (**Apps**) ![Paper Artist icon] (**Paper Artist**).
2. Follow the on-screen instructions.

Phone

This application provides the ability to make or answering calls, access the Contacts list, which is used to store contact information.

From the Home screen, tap ![Phone icon] (**Phone**).

For more information, refer to "Call Functions and Contacts List" on page 49.

Play Books

Formerly known as Google Books, this application allows you to read over 3 million ebooks on the go.

Build your ebooks library in the cloud with Play Books: jump right into a bestseller or select from nearly 3 million free ebooks. Personalize the reader to your liking, pick up reading where you left off on your phone or computer, and settle down with a great book on your Android phone!

1. From the Home screen, tap ![Apps icon] (**Apps**) ![Play Books icon] (**Play Books**).
2. If prompted, tap **Turn sync on**. This synchronizes your books you have previously selected between your Books account and your device.
3. Tap ![search icon] to begin searching for both free and paid ebooks.
4. Follow the on-screen prompts to download the ebook to your device.

Play Games

This application takes you directly to the Play Store Games area from where you can make purchases.

1. From the Home screen, tap ▦ (**Apps**) 🎮 (**Play Games**).

2. Accept the Mobile terms of service for Google+ by tapping **Accept**.

3. Select from an available on-screen option.

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 the Home screen, tap ▦ (**Apps**) 📖 (**Play Magazines**).

2. Log on to your Google account if you have not already done so. For more information, refer to "Creating a Samsung Account" on page 276.

3. Tap **Read Now** to review available material.

4. Tap **My Library** to view material you have purchased.

5. Tap **Shop** to purchase new material.

6. Tap a magazine to see more information and subscribe.

7. Follow the on-screen instructions to subscribe to a magazine.

Play Movies & TV

This application allows you to connect to the Play Store, download a movie and then watch it instantly.

Choose from thousands of movies, including new releases and HD titles in the Play Store and stream them instantly on your Android device.

Movies, previously rented via the Play Store are automatically added to your My Movies library across your devices.

Learn more about Google Play Movies at: http://play.google.com/about/movies.

1. From the Home screen, tap ▦ (**Apps**) ▶ (**Play Movies & TV**).

2. Log on to your Google account if you have not already done so. A list of videos sorted on the SD card displays in the Video list.

3. Following the on-screen instructions for renting and viewing movies.

4. Tap **Watch Now** to search through available categories from this screen.

5. Tap **My Movies** to view movies you have rented.

6. Tap **My TV Shows** to view shows you have rented.

7. Tap **Shop** to purchase or rent material.

Play Music

Also known as Google Music, allows you to browse, shop, and playback songs purchased from the Play Store. The music you choose is automatically stored in your Google Music library and instantly ready to play or download.

> Access the new music tab from within your Play Store application.

The Music application contains a music player that plays music and other audio files that you copy from your computer.

1. From the Home screen, tap ▦ (**Apps**) ▶ (**Play Music**).

   The Music app searches both your online library and your device's internal storage for music and playlists; this can take from a few seconds to several minutes, depending on the amount of new music added since you last opened the application. It then displays a carousel view of your new and recent music, organized by album.

2. If prompted to join the service, select either **Add account** or **Not now**.

3. Follow the on-screen log in screens.

4. Return to the Library screen from most other screens in the Music application by tapping the Music application icon 🎧 (**Music notification icon**) at the top-left of the Application bar.

Searching for Music in Your Library

1. From within the **Play Music** application, tap 🔍 (**Search**) to search through your available songs.

2. Type the name of an artist, album, song, or playlist. Matching songs are displayed in a list below the search box.

3. Tap a matching song to play it, tap a matching album, artist or playlist to view a list of its' songs.

Tab Options

There are various options available from the various tabs:

From within the **Play Music** application, select one of the following tabs and tap 🔡 to access an available option.

• **GENRES:** Add to queue.

• **ARTISTS:** Add to queue, Keep on device, Add to playlist.

• **ALBUMS:** Add to queue, Keep on device, Add to playlist, or Go to artist.

• **SONGS:** Add to queue, Add to playlist, Go to artist, Go to album, or Delete.

Playing Music

From within the **Play Music** application, tap a song in your library to listen to it.

The **Now playing** screen opens and the song you touched or the first song in the album or playlist starts to play. The tracks in the current list play in order until you reach the end of the list (unless you choose a repeat option). Otherwise, playback stops only if you stop it, even when you switch applications.

Note: If you navigate away from the **Now playing** screen in the Music application, the Now Playing bar appears at the bottom of the screen.

Displaying the Now Playing Screen

If you navigate away from the **Now playing** screen, to return to the **Now playing** screen from other Music screens:

> Tap the name of the current song in the Now Playing bar.
>
> – or –
>
> In a single motion, touch and drag 🎧 (**Music notification icon**) down from the Status bar and tap the song title from the Notifications area. You can also pause and resume playback and skip to the next song in the panel. For more information, refer to "Notification Bar" on page 32.

Making Online Music Available Offline

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

Tip: You can also copy music directly from your computer to your device.

To make your online music available offline on your device:

1. From within the **Play Music** application, change your library view to Albums, Artists, or playlists.

2. Tap ⋮ and then select **Keep on device** to make available offline.

   A blue pin 📌 indicates that the item is already available offline.

   Darker pins appear next to the items you can make available offline. A bar at the bottom of the screen shows how much space is available on your device for music and other files.

   Dim blue pins indicate songs or albums that you copied directly from a computer to your device.

3. Tap the dark pin next to each item you want to make available offline or tap a blue pin to stop making it available offline. You can switch to other views of your library to make other kinds of items available offline as well.

4. Tap **Done** in the bar at the bottom of the screen. The Music application starts downloading the items to your device.

Play Store

Formerly known as the "Android Market", this application provides access to downloadable applications and games to install on your phone. The Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store, you must have a Google Account.

Accessing the Play Store

1. From the Home screen, tap **⊞⊞⊞** (**Apps**) **▶** (**Play Store**).

2. If not already logged in with your Google account, tap **Next**.

3. Tap **Existing** and enter your Google account information.

4. Tap **Accept** to agree to the Play Store terms of service.

Downloading a New Google Application

To download a new application, you will need to use your Google account to sign in to the Play Store. The home page provides several ways to find applications. The home page features applications and includes a list of item applications by category, a list of games, a link to search, and a link to My apps.

1. From the Home screen, tap **⊞⊞⊞** (**Apps**) **▶** (**Play Store**).

2. Browse through the categories, find an application you're interested in, and tap the name.

3. Read the application descriptions.

Important! If the selected application requires access to data or control of a function on your device, the Play Store displays the information the application will access.

Tap **OK** if you agree to the conditions of the application. Once you tap **OK** on this screen you are responsible for using this application on the device and the amount of data it uses. Use this feature with caution.

  4. Tap **INSTALL** ➔ **ACCEPT**.

Note: Use caution with applications which request access to any personal data, functions, or significant amounts of data usage times.

  5. If prompted, follow the on-screen instructions to pay for the application.
  6. Check the progress of the current download by opening the Notifications panel. The content download icon ⬇ appears in the notification area of the status bar.

  7. On the main Play Store screen, press ▤ and then tap **My apps**, tap an installed application in the list, and then tap **OPEN**.

Tip: The newly downloaded applications display in the applications list and are shown in alphabetical order if the View Type is set to Alphabetical grid or Alphabetical list, or at the end of the list if View type is set to Customizable grid.

Note: A data plan is required to use this feature. Charges may apply. Please contact your service provider for further details.

Launching an Installed Google Application

1. From the Home screen, tap ▦ (**Apps**).
2. Tap the newly installed application. This application is typically located on the last Applications page.

Unknown sources

This feature can be used for Android application development. The feature allows developers to install non-Play Store applications.

> From the main **Settings** page, tap **More** tab **Security Unknown sources**.
>
> Unknown sources displays a check mark to indicate it is active.

Note: If Unknown sources is disabled, those applications without a certificate will not be allowed to download to your device.

Manage applications

This feature allows you to manage and remove installed applications. You can also view the amount of memory or resources used as well as the remaining memory and resources for each of the applications on your device and clear the data, cache, or defaults.

> From the main **Settings** page, tap **More** tab **Application manager**.

Clearing application cache and data

1. From the main **Settings** page, tap **More** tab **Application manager**.
2. Tap an application in which to clear the cache or data.
3. Tap **Force stop**, **Turn off**, **Uninstall, Clear data**, **Clear cache**, or **Clear defaults**.

Uninstalling third-party applications

You can uninstall any application you downloaded and installed from the Play Store.

1. From the main **Settings** page, tap **More** tab **Application manager DOWNLOADED**.
2. Tap the third-party application, and from the **App info** screen, tap **Uninstall**.

S Memo

The S Memo application allows you to create memos using the keypad, your finger, or both. You can add images, voice recordings, and text all in one place.

Creating a New Memo

1. From the Home screen, tap ▦ (**Apps**) ⟶ S (**S Memo**). The S Memo screen is displayed.

2. Tap an existing Memo to open it then tap the screen to enter edit mode.

   – or –

   Tap ➕T to start a new memo in text mode with the keypad displayed or tap ➕✎ to start a new memo in drawing mode using your finger or a compatible on-screen writing tool. You can change back and forth in a memo to add text with the keypad and the pen.

Add Title — Toolbar

Writing Modes

Secondary Toolbar

Show/Hide Secondary Toolbar

Writing area

Add Page

Keyboard
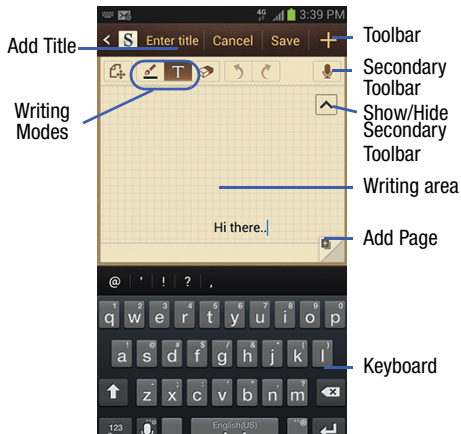
The icons that you see displayed on the screen are described in the following table:

➕ Saves the current memo and creates a new one.

⟲ Changes the view mode.

✎ Allows you to add free-format drawing.

T Displays the keypad to you can add text.

Eraser tool allows you to erase marks and drawings.

Undo the last action.

Redo the last action that was undone.

Make a voice recording to add to the memo.

Hide the secondary toolbar.

Show the secondary toolbar.

Add an additional page to the memo.

3. From within an active memo, press [≡] to access the following options:

Note: Depending on whether you have saved the memo, are in keypad mode, or in handwriting mode, the options will appear differently. The following is a list of the options you may see.

• **Rename**: allows you to change the current memo title.

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• **Share via**: allows you to share your memo (Image file (.jpg), PDF file (.pdf) or Text), via Group Play, Wi-Fi Direct, Bluetooth, ChatON, Add to Dropbox, Flipboard, Hangouts, Picasa, Paper Artist, Google+, Messages, Gmail, Drive, or Email.

• **Handwriting-to-text**: allows you to transcribe handwriting into text.

• **Export**: allows you to save the memo to your Gallery as either a JPG or as a PDF.

• **Save as**: allows you to save the memo with a different name.

• **Add picture**: allows you to add an image to the current memo. Choose from: Picture, Take picture, Clip Art, Clipboard, or Map.

• **Add tag**: allows you to set tags to add in searches.

• **Add as favorite**: allows you to tag the current memo as a favorite.

• **Change background**: allows you to set the background for your memo. Swipe the screen to the left or right to select a background and then tap **Done**.

• **Link to Calendar**: allows you to link the memo to your Calendar.

• **Lock**: allows you to lock an email by using a PIN number.

- **Set as**: allows you to set a memo as a Contact icon, Home screen wallpaper, Lock screen wallpaper, Home and lock screens.
- **Print**: allows you to print the screen or web page on a Samsung printer using Wi-Fi.

When you are finished creating your memo, tap **Save** on the top menu bar.

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. For more information, refer to *"Creating a Samsung Account"* on page 276.

1. From the Home screen, tap ▦ (**Apps**) **S** (**S Suggest**).
2. Read the terms and conditions.
3. Place a check mark in the **Agree** field then tap **Agree**.

4. Select an application from one of the available categories (Picks, Categories, Games, Friends, and Info).
5. Follow the on-screen download and installation instructions.

S Voice

Launches your phone's built-in voice recognition system that allows you to initiate several common tasks without having to touch the phone. Features include: Call, Text, Navigate, Play music, Memo, and Driving mode.

Using S Voice

This is a voice recognition application used to activate a wide variety of functions on your device. This is a natural language recognition application.

This goes beyond the Google Search Voice Actions feature that simply recognizes Google commands and search terms. You can ask it questions (Is it raining in Dallas?) or give it commands (Show my where to find cheap gas).

1. From the Home screen, tap ▦ (**Apps**) 🎤 (**S Voice**).
2. Read the on-screen disclaimer information and tap **Confirm** to continue.

3. Review the Terms of Service and tap **Agree** to continue.

4. Navigate through the following on-screen tutorial screens by reading the information and tapping **Next**, or tap **Skip** to continue without reading the information.

5. Wake up the application by repeating the phrase **Hi Galaxy**.

Note: The wake-up command/phrase can be changed from "Hi Galaxy" to anything else.

6. Tap (**Speak**) if the device does not hear you or to give it a command.

Example 1:
- I want to find the best pizza online.
- Tap and say "Find me the best Pizza". This launches an Internet search.

Example 2:
- I want to find the nearest gas station.
- Tap and say "Navigate to Cambridge". This launches the Map application and indicates where this is in relation to your current position.

Samsung Apps

Allows you to easily download an abundance of applications that are directly compatible with 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. For more information, refer to "Creating a Samsung Account" on page 276.

1. From the Home screen, tap (**Apps**) (**Samsung Apps**).

2. If prompted, read the Disclaimer, Terms and conditions, and Privacy policy and tap **Accept**.

3. Tap **Accept** if prompted to allow Google to check your currently installed application for unsafe behavior.

4. Follow the on-screen instructions.

Samsung Hub

Samsung Hub makes it easy to find, sample, and purchase movies, TV shows, books, games, and music, in one user-friendly location. With hundreds of titles available, entertaining your family on-the-go has never been easier. You can rent or purchase your favorite content and watch from any location. Samsung Hub is your gateway to mobile entertainment.

You must have an active Samsung Account to purchase and rent content via Samsung Hub.

Note: Samsung Hub usage is based on service availability.

Important! You must be using an active Wi-Fi/4G/LTE connection to preview and download a media file. The internal memory acts as a storage location for your downloaded rental or purchase.

Important! The Samsung account manages the access information (username/password) to several applications, such as Samsung Link, Chat On, and Samsung Hub.

Creating a New Samsung Hub Account

Before you can rent or buy media, you must first log in using your Samsung account. Enter the required information.

1. Confirm you have already logged in to your Samsung account. There should be no [S] icon in the Notifications area of the screen.

2. From the Home screen, tap [⊞] (**Apps**) [⊠] (**Samsung Hub**).

3. When prompted to connect via mobile networks, select either **Cancel** or **Connect**.

4. If notified your Samsung account is not yet active or verified, tap **OK**. You must be signed in to your Samsung account to use the application's various features.

Tip: In some cases it might be necessary to sign in to your Samsung account via the application.
Press [≡] and then select **Sign in**.

5. Your Samsung Hub account is managed by the Samsung account application. This application manages your user profile information.

Using Samsung Hub

1. From the Home screen, tap ▦ (**Apps**) ➔
   ✿ (**Samsung Hub**).
   • The **OVERVIEW** screen (landing page) displays an main access for all available categories and recently available content for purchase or rental.

2. Scroll across the screen to select from the following available pages:
   • **MUSIC**: displays featured Music content available for purchase/ stream from the Music store & Radio. This page also allows you to search for new content, or navigate directly to the Music store page by clicking on the "Music" link at the top of the page.
   • **VIDEO**: displays featured film and TV content available for purchase/rent from the video store. This page also allows you to search for new content, or navigate directly to the Movie & TV store page by clicking the "Video" link a the top of the page.
   • **BOOKS**: displays featured Book content available for purchase from the Book store. This page also allows you to search for new content, or navigate directly to the Book store page by clicking the "Books" link a the top of the page.

• **GAMES**: displays featured Game content available from the Game store. This page also allows you to search for new content, or navigate directly to the Game store page by clicking the "Games" link a the top of the page.

3. To purchase or view featured content in more detail, tap on any content (Thumbnail or text) to navigate to the product detail page.

4. Depending on the content, you can either purchase, rent, or stream the content directly from the product detail page.

5. Choose a payment method, then follow the on-screen instructions.

Samsung Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Samsung Hub.
- Media Content that is purchased and downloaded may be viewed concurrently on up to five (5) devices with Samsung Hub (or "the service") that are also registered to the same account.
- You may remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you'd like. You will have the ability to re-download the Media Content later subject to content re-download availability and content provider permissions.
- You may need network coverage to access Media Content you have acquired through the Service.
- You can use 3G, 4G, or Wi-Fi connectivity to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account at a time.
- Media Content is downloaded and saved to your authorized device's SD card. No SD Card included out of box.

- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching Media Content within the time limit set out for each piece of content (which may be as short as 24 consecutive hours).
  - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.
  - In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).

Unless otherwise restricted by the Content Providers, you can download Media Content to your TV using HDMI connections; otherwise, you cannot play Media Content downloaded from your mobile device output. (4/1/2013)

Samsung Link

This application wirelessly synchronizes your Samsung mobile phone with your TV, streams content and even keeps tabs on who calls or sends text messages with real-time, on-screen monitoring. Samsung's Samsung Link makes staying connected easy.

Allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs via a digital multimedia streamer.

Samsung Link/ AllShare Play	This new feature builds on the previous AllShare Play functionality. It includes features such as Web storage integration and social networking integration. This is a Web service that requires using a Samsung account.

Group Play	A subset feature of Samsung Link, this allows you to mirror photos and multimedia presentations with other members of your current Wi-Fi group. Users must be on the same Wi-Fi and provide an access code to join the group.
AllShare Cast (with Hub accessory)	This feature functions with an external AllShareCast Hub to fully mirror what is currently displayed on your device to the external TV.

Important! You must first connect both of your communicating devices to the same Wi-Fi and be using an active/registered Samsung account prior to using this application.
For more information, refer to "Wi-Fi Advanced Settings" on page 220.
For more information, refer to "Creating a Samsung Account" on page 276.

Important! The Samsung account manages the access information (username/password) to several applications, such as Samsung Link, Chat On, and Samsung Hub.

1. Confirm you have already logged in to your Samsung account.

2. From the Home screen, tap **Apps** (**Samsung Link**).

3. If prompted with an on-screen notification about no Wi-Fi detected, tap **Cancel** (to continue by using your network connection) or **Connect** to continue.

4. Tap **Get started**.

5. Follow the on-screen prompts.

6. Tap and select a target device. Available tabs include: Photos, Music, Video, or Document.

Configuring Samsung Link Settings

The Samsung Link™ application must first be configured prior to its initial use. You must setup parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

1. From the Home screen, tap **Apps** (**Samsung Link**).

2. Press and then tap **Settings** and configure the following settings as desired:

   • **Registered storage**: allows you to add a Web storage location. Without a storage service/location added, you will not be able to use Samsung Link.

   • **Save to**: allows you to save your media to your internal phone memory or to an SD card.

   • **Auto upload**: allows you to enable automatic upload of images from your device to those storage locations specified within the Web storage list. Move the slider to the on position to activate the feature.

   • **Video optimization**: allows you to setup the video quality for streamed video content. Move the slider to the on position to activate the feature.

- **Password lock**: allows you to restrict access to Samsung Link by requiring a user enter the currently active and associated Samsung account password. Move the slider to the on position to activate the feature.

- **My account**: displays Samsung account information.

- **About this service**: displays application information.

Setting Up Web Storage

Web storage services allow you to use storage space to store your files and share them on the "Cloud".

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

1. From the Home screen, tap (**Apps**) (**Samsung Link**).

Note: When adding storage, an N Drive is added.

2. Tap **Add storage** and choose from: SugarSync, Dropbox, or SkyDrive.
   – or –

3. Press and then tap **Settings** **Registered storage** (**Add storage**).

4. Follow the on-screen instructions to register or log into your cloud service.

5. Once the process is successfully completed, the Web storage icon or name appears in the Web storage area of the main screen.

6. From the main screen, select a connected device and then tap on the media that you would like to share.

7. Once connected, select the media that you would like to share.
   - A file with in the upper-left indicates it is stored remotely on a Web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.

To de-register Web storage service:

1. From the Samsung Link application, press ☰ and then tap **Settings** ➔ **Registered storage**.
2. Select ⊖ (**Delete**) ➔ ⊖ (**Delete**).
3. Select a current storage service and tap **OK**.

Sharing Media via Samsung Link to a Target Device

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

1. Launch AllShare Play/Samsung Link on the target device (such as an Internet TV, Samsung Tablet, etc..).
2. From the Home screen, tap ▦ (**Apps**) ➔ ◯ (**Samsung Link**).

Note: You must be signed in to your Samsung Account before you can use this feature.

3. Tap ☰◯ and select your device name from the **Registered devices** area.

4. Tap an available category tab and select a file.
   • A file with Ⓝ in the upper-left indicates it is stored remotely on a Web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.
5. Tap 🔊 (**Stream to connected devices**) and select an available target device to begin streaming.
6. On a target device (ex: Internet TV) select the on-screen **Allow** button to continue.

Note: At this stage your device is requesting access to share media with the external source.

7. Confirm 🔲 (**Samsung Link Controller enabled**) appears in the Notification area at the top of the device to indicate you are using your device as the media source.

Settings

This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone.
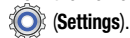
> From the Home screen, tap ▦ (**Apps**) ⚙ (**Settings**).
>
> – or –
>
> From the Home screen, press ▤ and then tap **Settings**.

For more information, refer to "Changing Your Settings" on page 216.

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 the Home screen, tap ▦ (**Apps**) 🐞 (**T-Mobile My Account**).
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.
- **[promotional]** provides promotional information.

T-Mobile Name ID

Allows you to modify the on-screen Caller ID information. Name ID identifies unknown callers by Name, City, and State.

1. From the Home screen, tap ▦ (**Apps**) 📞ID (**T-Mobile Name ID**).
2. Choose an on-screen option.

T-Mobile TV

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

1. From the Home screen, tap ▦ (**Apps**) TV (**T-Mobile TV**). The T-Mobile Terms and Conditions page displays.

Note: A data plan is required to use this feature. Charges may apply. Please contact your service provider for further details.

2. Tap **Accept** if you accept the Terms and Conditions.
   – or –
   Tap **Exit** to close the application.

Note: T-Mobile TV must be initialized over a cellular network before it can be used. During this initial registration process, any Wi-Fi connections must be disabled.

3. Tap **Disable Wi-Fi** if you currently have an active Wi-Fi connection.

4. Tap **Start Trial** to begin a free 30-day trial of the service.

– or –

Tap **OK** to keep viewing the free content or **Purchase Options** to buy the paid features.

5. Tap any of the following categories to begin viewing: **Home**, **Live TV**, **TV Shows**, **Favorites**, **Help**, **Search**, **More Info**, **Browse**, or **Live Channels**.

Video

Using Video

The Video application plays video files stored on the SD card. This device is able to playback DivX videos.

1. From the Home screen, tap [image] (**Apps**)
[image] (**Video**). A list of available videos displays in the Video list.

2. Tap a video file to begin viewing.

Sharing Videos

1. From the Home screen, tap [image] (**Apps**)
[image] (**Video**). After a few seconds, each on-screen video begins to cycle through a preview of the first five seconds of the clip.

2. Press [image] and then tap **Share via**.

3. Select either individual videos or tap **Select all**.

4. Click **Done** to complete the process or **Cancel** to quit.

5. Select a sharing option. Choose from: Add to Dropbox, Bluetooth, ChatON, Drive, Email, Gmail, Google+, Messages, Picasa, Wi-Fi Direct, or YouTube.

Using Picture-In-Picture

This feature can be used during playback of supported video types via either the Gallery, Play Videos, or Video player.

Note: Some applications might not allow this video to remain active in the foreground (ex: Camera/Camcorder screen).

This feature allows you to continue to view your video as a background operation while you multi-task and do other things, such as surf the Internet, access your Contacts list, look for a picture, etc..

1. From the Home screen, tap ▦ (**Apps**).
2. Tap the desired video playback application.
3. Tap the desired video to begin playback.

Note: The Picture-In-Picture feature only works when using the Video player application. Other video players (ex: YouTube), do not support this feature.

4. As playback is initiated, locate and tap ▣ (**Picture-in-Picture**) from the bottom-right of the playback screen. Your current video is then sent to foreground of any new page and most application screens.
5. The video disappears from the screen once it ends.

DivX Overview

This device is able to playback DivX videos. DivX Certified® to play DivX® video up to HD 720p, including premium content. If you try to play DivX VOD content not authorized for your device, the message "Authorization Error" will be displayed and your content will not play. Learn more at www.divx.com/vod.

Your device must first be registered to playback protected or purchased DivX content. DRM-free or unprotected content does not required DivX VOD registration.

Locating Your VOD Registration Number

1. From the main **Settings** page, tap **More** tab ➔ **About device** ➔ **Legal information** ➔ **License settings** ➔ **DivX® VOD** ➔ **Register**.
2. Write down your Registration code.
3. Tap **OK**.

Visual Voicemail

Visual Voicemail enables users to view a list of people who left a voicemail message, and listen to the any message they want without being limited to chronological order.

1. From the Home screen, tap ▦ (**Apps**) ▨ (**Visual Voicemail**).

2. Read the on-screen information and tap **Next.**

3. Read the on-screen information and tap **Done**. A list of the voicemail messages displays.

> **Important!** If this is your first time to access Visual Voicemail, you may be prompted to enter a new PIN code and tap **Next** to activate Visual Voicemail.

> **Note:** You must subscribe to Visual Voicemail service to use this feature. Charges may apply. Please contact your service provider for further details.

4. Tap an on-screen voicemail message to play it back.

To check Visual Voicemail messages:

1. From the Home screen, tap ▦ (**Apps**) ▨ (**Visual Voicemail**).

2. Tap the voicemail message you want to play.

3. Tap ▶ (**Play**).

To delete Visual Voicemail messages:

1. From the Home screen, tap ▦ (**Apps**) ▨ (**Visual Voicemail**).

2. Tap the voicemail message you want to delete.

3. Tap 🗑 (**Delete**)   **OK**.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message.

1. From the Home screen, tap ▦ (**Apps**) ▨ (**Voice Recorder**).

2. Tap ⌃ (**List**) to display a list of current recordings.

3. Tap 🎙 (**Recording quality**) to adjust the recording quality. Choose from: Normal or High quality recording.

4. Tap ⬤ (**Record**) to record an audio file.

5. Tap (**Stop**) to stop recording. The file automatically saves to the Voice list.

– or –

Tap (**Pause**) to pause the recording of an audio file.

– or –

Tap (**Cancel**) to cancel the recording of an audio file.

6. From the Recorded files page, press ▭ and then select one of the following:

- **Share via** and select a method in which to share this audio file. Selections are: Add to Dropbox, Bluetooth, ChatON, Drive, Email, Gmail, Messages, or Wi-Fi Direct. Refer to each specific section, depending on the method you selected to send this voice recording.

- **Delete**: allows you to delete 1 or more voice recordings. Tap the recordings to delete and tap **Delete**.

- **Settings**: the following settings are available:

  – **Storage**: allows you to choose where your recordings will be saved. Select between Device or memory card.

  – **Recording quality**: allows you to set the recording quality to High or Normal.

  – **Limit for multimedia messages**: allows you to select On or Off. If you Limit for MMS by selecting On, you will be assured that the recording can be sent in a message.

  – **Contextual filename**: (requires GPS tagging) allows you to adjust the filename based on contextual information such as your current GPS location.

  – **Default name**: allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, etc.

  – **Noise reduction**: allows you to activate/deactivate background noise suppression.

  – **Recording volume**: allows you to assign the ambient noise quality of your current location so the device can better detect audio. Choose from High or Low.

  – **Skip interval**: allows you to assign a skip length.

- **End**: allows you to exit the application.

Voice Search

Launches the Google Now application that is used for voice to text Internet searching.

1. From the Home screen, tap [ ] (**Applications**) [ ] (**Voice Search**).
2. When prompted, speak into the built-in microphone.
3. Use the on-screen options to find a matching search term.

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 the Home screen, tap [ ] (**Apps**) [ ] (**VPN CLient**).
2. Follow the on-screen instructions to configure the VPN Client.
   • Options include: Add VPN Connection or My VPN Connections.

YouTube

YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format.

1. From the Home screen, tap [ ] (**Apps**) [ ] (**YouTube**).
2. Tap the search field [ ] to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.
3. To view a video, tap an available preview thumbnail or tap the title link.

To configure YouTube Settings:

Press [ ] and then tap **Settings** and configure the following parameters:

• **General**
   – **High quality on mobile**, when enabled, allows you to start all videos in high quality mode while you are connected to a mobile network.
   – **Caption font size** allows you to set the font size used by on-screen captions. Choose from: Small, Medium, Large, or Huge.

- **Uploads** specifies network preferences for uploads.
  - **Content localization** allows you to prioritize channels and videos from a specific country or region.
  - **Improve YouTube** allows you to anonymously send YouTube information to help improve the application.
  - **New video notifications** allows you to receive notifications when new videos are posted that meet your interest criteria.
- **Connected TVs**
  - Allows you to pair your device to a wireless TV running a YouTube application. Options include Add a TV and Edit TVs.
- **Search**
  - **Clear search history** allows you to clear previous YouTube searches from showing up in the YouTube search box.
  - **Never remember history** allows you to force YouTube to never store search history information.
  - **SafeSearch filtering** allows you to configure block settings for videos containing restricted content. This option blocks these videos from appearing within your search results. Choose from: Don't filter or Strict.

- **Preloading**
  - **Preload subscriptions** allows you to preload (or go get videos while on Wi-Fi and charging) your subscription videos.
  - **Preload watch later** allows you to enable the preload function on selected videos so you can watch them later. Read the data usage information and tap **OK** to accept the terms.

Note: Preloading YouTube videos will use some of your device's storage space and may result in additional charges if your Wi-Fi plan is not unlimited.

- **About**
  - **Help** provides answers to most YouTube questions.
  - **Feedback** allows you to provide user feedback to YouTube.
  - **Google Mobile Terms of Service**
  - **YouTube Terms of Service**
  - **Google Mobile Privacy Policy**
  - **YouTube Privacy Policy**
  - **Open source licenses**
  - **App version** displays the software version for the current YouTube application.

To watch a high quality video:

Press ▭ and then tap **Settings** **General** **High quality on mobile**.

Section 10: Changing Your Settings

This section explains the sound and phone settings for your device. It includes such settings as: display, security, memory, and any extra settings associated with your device.

Accessing Settings

From the Home screen, tap ▦ (**Apps**)

⊙ (**Settings**).

– or –

Press ▭ ▭ and then tap **Settings**. The Settings screen displays.

Settings Tabs - Overview

The Settings are divided into 4 main groups. When the Settings screen displays, the following 4 tabs are located at the top of the screen:

⊞ **Connections**:
Connections

This tab allows you to see all of settings related to the connection of your device to external sources. Features include: Wi-Fi, Bluetooth, Data usage, More networks (Airplane mode, Mobile networks, Tethering and Mobile HotSpot, VPN, and Wi-Fi Calling), NFC, S Beam, Nearby devices, and Screen Mirroring.

⊡ **My device**:
My device

This tab provides access to device configuration and customization features. Features include: Lock screen, Display, LED indicator, Sound, Home screen mode, Call, Blocking mode, Hands-free mode, Power saving mode, Accessory, Accessibility, Language and input, Motion, Smart screen, and Voice control.

Accounts:

This tab provides both the ability to create and modify your accounts (ex: Samsung account, Email, etc.), and access Backup and reset features.

More:

This tab provides access to the remaining set of device settings not listed under the other tabs. These include Location services, Security, Application manager, Battery, Storage, Date and time, and About device.

Note: The settings for your device are described below using the order in which they appear in the Settings menu. Functions found under the Connections tab are listed first, followed by My device, Accounts, and More.

Wi-Fi Settings

About Wi-Fi

Wi-Fi (short for "wireless fidelity") is a term used for certain types of Wireless Local Area Networks (WLAN). Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Note: After you complete a connection to an active Wi-Fi network, the Wi-Fi Calling feature will automatically be enabled.

Activating Wi-Fi

By default, your device's Wi-Fi feature is turned off (deactivated). Activating Wi-Fi allows your device to discover and connect to compatible in-range WAPs (Wireless Access Points).

1. From the Home screen, press ▤ and then tap **Settings** 🔲 (**Connections** tab).

2. In a single motion touch and slide the **Wi-Fi** slider to the right to turn it on [ON]. The device scans for available in-range wireless networks and displays them under Wi-Fi networks on the same screen.

Connecting to a Wi-Fi Network

1. From the main **Settings** page, tap **Connections** tab ➔ **Wi-Fi**.

The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks display in the Wi-Fi networks section.

2. Tap the network you wish to connect to.

Note: When you select an open network you are automatically connected.

3. Enter a wireless password (if necessary).

4. Tap **Connect**.

Wi-Fi Status Indicators

The following icons indicate the Wi-Fi connection status:

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

Displays when Wi-Fi is active and there is an available open wireless network.

Displays when Wi-Fi Direct is active and communicating

Displays when Wi-Fi is being used as a Mobile HotSpot feature is active and communicating.

Manually Adding a Wi-Fi Network

1. From the main **Settings** page, tap **Connections** tab **Wi-Fi** **Add Wi-Fi network**.

2. Enter the Network SSID (the name of your Wireless Access Point).

3. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP (Wireless Access Point).

4. Enter your WAP's password if the WAP is secure.

5. Tap **Connect** to store the new information and connect to the target WAP.

Note: An SSID is a unique key which identifies a wireless LAN. Its purpose is to stop other wireless equipment from accessing your LAN — whether accidentally or intentionally. To communicate, wireless devices must be configured with the same SSID.

Deactivating Wi-Fi

1. From the Home screen, press ▭ and then tap **Settings** **Connections** tab.

2. In a single motion touch and slide the **Wi-Fi** slider to the left to turn it off.

   – or –

   Activate and Deactivate Wi-Fi from the Notification bar.

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can reduce battery life and use times.

Manually Scan for a Wi-Fi Network

1. From the Home screen, press ▭ and then tap **Settings** **Connections** tab **Wi-Fi**.

2. In a single motion touch and slide the **Wi-Fi** slider to the right to turn it on.

3. Tap **Scan**.

Wi-Fi Advanced Settings

The Wi-Fi settings - Advanced menu allows you to set up many of the device's Wi-Fi services, including:

- Setting the Wi-Fi sleep policy
- Check for Internet service
- Viewing the device's MAC Address
- Configuring use of either a DHCP or Static IP

To access the Wi-Fi Advanced Settings menu:

1. From the Home screen, press ▭ and then tap **Settings** **Connections** tab **Wi-Fi**.

2. Press ▭ and then tap **Advanced**.

Network Notification

By default, when Wi-Fi is on, you receive notifications in the Status bar anytime your phone detects an available Wi-Fi network. You can deactivate this feature if you do not want to receive notifications.

1. From the main **Settings** page, tap **Connections** tab **Wi-Fi**.

2. Press ▭ and then tap **Advanced**.

3. Tap **Network notification**. A check mark displayed next to the feature indicates Network notification is active.

4. Tap **Network notification** again to remove the check mark and deactivate this feature.

Sorting your Wi-Fi Entry List

1. From the main **Settings** page, tap **Connections** tab **Wi-Fi**.

2. Press ▭ and then tap **Advanced**.

3. Tap the **Sort by** field and select either **Alphabet** or **Signal strength**.

Wi-Fi During Sleep

By default, when your device enter a sleep mode, your Wi-Fi connection stays on all the time. If the feature is Never enabled during sleep that current data usage is taken over by your SIM and its network connection.

1. From the main **Settings** page, tap **Connections** tab **Wi-Fi**.

2. Press 📰 and then tap **Advanced** **Keep Wi-Fi on during sleep**.

3. Select an available option:
   • **Always**: maintains your current active Wi-Fi connection even during sleep.
   • **Only when plugged in**: maintains the active Wi-Fi connection only when the device detects it is connected to a power supply. This reduced the drain on your device's battery.
   • **Never (increase data usage)**: shuts off the current Wi-Fi connection during sleep and diverts any current data usage to the cellular network connection.

Allow scanning

Allows the Google location service and other apps to scan for networks, even when Wi-Fi is turned off.

1. From the main **Settings** page, tap **Connections** tab **Wi-Fi**.

2. Press 📰 and then tap **Advanced**.

3. Tap the **Always allow scanning** field to activate or deactivate the feature.

Auto Network selection

Allows the device to automatically switch between Wi-Fi network or cellular network.

1. From the main **Settings** page, tap **Connections** tab **Wi-Fi**.

2. Press 📰 and then tap **Advanced**.

3. Tap the **Auto network switch** to activate the feature that would allow the device to connect to the best available signal connection.

Install certificates

1. From the main **Settings** page, tap **Connections** tab **Wi-Fi**.
2. Press ▤ and then tap **Advanced**.
3. Tap **Install certificates** and follow the on-screen instructions.

Finding your WI-Fi Address Information

1. From the main **Settings** page, tap **Connections** tab **Wi-Fi**.
2. Press ▤ and then tap **Advanced**.
3. Locate the MAC Address and IP Address information at the bottom of the screen.
    *   **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.

WPS Push Button

The WPS (Wi-Fi Protected Setup) feature (sometimes associated with a physical or on-screen button on most WAPs) allows you to pair your device and WAP without the need for entering a passcode. This process is similar to Wi-Fi Direct pairing.

In this case, once the WPS feature is active on your WAP, your device can then detect it and then immediately pair to it.

Note: WPS-capable routers appear in the Wi-Fi list of available devices with the term (**WPS available**) below their name.

To pair your device using WPS:

1. Follow the WPS activation instructions specific to your Wireless Access Point.
2. From the main **Settings** page, tap **Connections** tab **Wi-Fi**.
3. Press ▤ then tap **WPS push button**.
4. Once the connection is complete, confirm the external router now appears in the Wi-Fi list as connected.

WPS PIN Entry

If a WPS Push Button does not work, there is an alternative WPS connection method where you would use a device generated PIN number to establish the connection. This number is then entered into your WAP's WPS client PIN field to complete the connection.

To pair your device using WPS PIN:

1. From the main **Settings** page, tap **Connections** tab **Wi-Fi**.

2. Press ▤ then tap **WPS PIN entry**.

3. Write down the generate PIN number and enter it into your Wi-Fi Router's client PIN field.

4. Once the connection is complete, confirm the external router now appears in the Wi-Fi list as connected.

Wi-Fi Direct Setup and 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 HotSpot or WAP.

> Displays when Wi-Fi Direct is active and communicating

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

To activate your connection:

1. From the main **Settings** page, tap **Connections** tab.

2. In a single motion touch and slide the **Wi-Fi** slider to the right to turn it on. The slider color indicates the activation status.

3. Tap **Wi-Fi Direct**.

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

   – or –

   Tap **Multi connect   Scan** and select all the device names to begin the connection process to these Wi-Fi Direct compatible devices.

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

5. Tap **Done**. The direct connection is then established. Confirm appears in the Status bar.

6. When prompted to complete the connection, the recipient should tap **OK**. Your status field now reads "Connected" and your connected device is listed within the Wi-Fi Direct devices listing.

Bluetooth settings

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, press and then tap **Settings** (**Connections** tab).

2. In a single motion touch and slide the **Bluetooth** slider to the right to turn it on.
   The slider color indicates the activation status. When active, displays in the Status area.

To turn Bluetooth off:

1. From the Home screen, press ▤ and then tap **Settings**.

2. In a single motion touch and slide the **Bluetooth** slider to the left to turn it off.

Note: Bluetooth must be enabled prior to use.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

Displays when Bluetooth is active.

Displays when Bluetooth is connected (paired) and communicating.

Bluetooth Settings

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices
- Displaying your device's Bluetooth address

Changing the Device Name

1. From the Home screen, press ▤ and then tap **Settings** ▦ **More** (**More** tab) **About device**.

2. Tap the **Device name** field and use the on-screen keyboard to edit the current device name.

3. Tap ⌫ to erase the current device name and enter a new name for this device using the keyboard.

4. Tap **OK** to confirm your setting.

Activating Visibility

1. From the main **Settings** page, tap **Connections** tab
   Bluetooth.

2. Verify your Bluetooth is active.

3. From the top of the Bluetooth settings page, toggle the
   state of the visibility check mark. Activating this feature
   enabled your device visible allows other devices to pair
   and communicate.

Note: Your device visibility is based on the time set within the
Visible time-out field (2 Minutes, 5 Minutes, 1 Hour, or
Never timeout). Press ▤ (**Menu**) **Visibility timeout**.
This value appears as a countdown within this **Visibility
timeout** field.

Scanning for Devices

This option allows you to scan for active Bluetooth devices so
you can pair with them.

1. From the main **Settings** page, tap **Connections** tab
   Bluetooth.

2. From the bottom of the Bluetooth settings page, tap
   Scan to search for visible external Bluetooth-
   compatible devices such as headsets, devices,
   printers, and computers.

Important! Some Bluetooth devices are secured and require a
PIN number to confirm and pair with them.

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3. Enter a PIN to pair with the device, if one is required,
   and tap **OK**.

Review Received Files

1. From the main **Settings** page, tap **Connections** tab
   Bluetooth.

2. Verify Bluetooth is active.

3. From the Bluetooth settings page, press ▤ and then
   tap **Received files**.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

Note: Pairing between two Bluetooth devices is a one-time process. Once pairing is established the devices continue to recognize their partnership and exchange information without entering a passcode.

To pair your device with another Bluetooth device:

1. Verify Bluetooth is active.
2. From the Bluetooth settings page, tap the **Visibility** field (shown by the device name).

   Your device must be visible to successfully pair with an external device. This is shown by a green check mark.

3. Tap **Scan**. Your device displays a list of discovered in-range Bluetooth devices.
4. Tap a device from the list to initiate pairing.
5. Enter the passkey or PIN code, if needed, and tap **OK**.

6. The external device must accept the connection and enter your device's PIN code.

   Once successfully paired to an external device, ⚛ displays in the Status area.

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

Important! If callers can not hear you during a call while using a paired Bluetooth headset (with built-in microphone), verify the **Call audio** option is enabled within the entry's Bluetooth Settings page.

Configuring Bluetooth Device Settings

Some connected Bluetooth devices are capable of more than just functioning as a headphone, but also have built in microphones for picking up voice. Although both functions are detected by the device and activated, there might be times when you need to change or update these settings for Phone and Media Audio:

- I can hear the other person but they can't hear me...
- I want to use my Bluetooth device only as a headphone

1. Verify Bluetooth is active.
2. From the Bluetooth settings page, tap ⚙ (**Settings**).
3. Toggle the **Call audio** field to activate/de-activate the Bluetooth device's on-board microphone.
4. Toggle the **Media audio** field to activate/de-activate the Bluetooth device's headset functions.

Note: If callers can not hear you during a call while using a paired Bluetooth headset (with built-in microphone), verify the **Call audio** option is enabled within the entry's Bluetooth Settings page.

Disconnecting a Paired Bluetooth Device

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

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the previously paired device (from the bottom of the page).
3. Tap **OK** to confirm disconnection.

Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

Deleting a Paired Bluetooth Device

Deleting a device from your list removes its "connection record" and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify Bluetooth is active.
2. From the Bluetooth settings page, tap ⚙ (**Settings**) **Unpair** to delete the paired device.

Sending Contacts via Bluetooth

Depending on your paired devices' settings and capabilities, you may be able to send pictures, Contact information, or other items using a Bluetooth connection.

Note: Prior to using this feature, Bluetooth must first be enabled on both your phone and the external device, and the recipient's device must be visible.

1. Verify your Bluetooth is active and your phone is visible.
2. From the Home screen, tap (**Contacts**).
3. Touch and hold the entry from the list to display the on-screen context menu.
4. Tap **Share via   Bluetooth** and select a paired external Bluetooth device.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

5. A Bluetooth share notification displays in your notifications list.

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Data Usage

Monitor and mange your device's data usage capabilities.

Features include activation/deactivation or network data usage, set mobile data usage for a set period of time, and view application data usage.

From the Home screen, press 🔲 and then tap **Settings** 🔲 (**Connections** tab)   **Data usage**.

To activate/deactivate Mobile data usage:

1. From the main **Settings** page, tap **Connections** tab   **Data usage**.
2. Tap the **Mobile data** field to activate the feature. A green check mark indicates the feature is active.
3. Tap the **Mobile data** field again to deactivate the feature.

To set a mobile data limit:

1. From the main **Settings** page, tap **Connections** tab   **Data usage**.
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. Press ▤ 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 231.

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

- **Auto sync data** allows the device to automatically sync information and updates with your various services.

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

- **Mobile hotspots** allows you to select available Wi-Fi networks that can service as mobile hotspots. Place a check mark on those entries you wish to use.

More Networks

This tab displays additional wireless and network information.

From the Home screen, press ▤ and then tap **Settings** 🔲 **(Connections** tab) **More networks**.

Airplane Mode

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

Important! When your device is in Airplane mode, it cannot send or receive any calls or access online information or applications.

1. From the main **Settings** page, tap **Connections** tab **More networks**.

2. Tap **Airplane mode**. A check mark displayed next to the feature indicates Airplane mode is active.

The Airplane mode icon ✈ is displayed at the top of your screen.

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 the main **Settings** page, tap **Connections** tab **More networks   Mobile networks**.

The following options display:

Use mobile data

Allows you to activate mobile data usage on your device.

From the main **Settings** page, tap **Connections** tab **More networks   Mobile networks   Mobile data**.

Data Roaming

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.

1. From the main **Settings** page, tap **Connections** tab **More networks   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 the main **Settings** page, tap **Connections** tab **More networks   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.

Network mode

You can configure your device to either automatically select the LTE option (LTE/WCDMA/GSM (auto connect) [by default]), WCDMA/GSM (auto connect), GSM only, or WCDMA only.

> From the main **Settings** page, tap **Connections** tab **More networks Mobile networks Network mode**.

- **LTE/WCDMA/GSM (auto connect)** is the default network mode option. This selection allows the device to choose the fastest connection from among the available connection speeds, including LTE.
- **WCDMA/GSM (auto connect)** allows you to exclude the LTE network and choose from only 4G, 3G, and 2G networks.
- **WCDMA only** restricts your connection to only the 3G network.
- **GSM only** restricts your connection to only the 2G network.

Using the LTE Network Option

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 from among this selected set (LTE/4G/3G/2G).

1. From the main **Settings** page, tap **Connections** tab **More networks Mobile networks Network mode**.
2. Tap **LTE/WCDMA/GSM (auto connect)**. A selection indicator displays next to this option to show that it is active. This is the default mode for this device.

Using the WCDMA/GSM Option

If you wish to not use LTE but still require a fast connection using the standard 3G/2G network speed, follow these instructions to connect to these network types.

1. From the main **Settings** page, tap **Connections** tab **More networks Mobile networks Network mode**.
2. Tap **WCDMA/GSM (auto connect)**. A selection indicator displays next to this option to show that it is active. This is the default mode for this device.

Using the WCDMA - 3G Only Network

This option uses a 3G connection only.

1. From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **Mobile networks** ➔ **Network mode**.
2. Tap **WCDMA only**. A check mark displays next to this option to indicate that it is active. Connecting to 3G networks slows the data transfer speed and time.

Using the 2G - GSM Only Network

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

1. From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **Mobile networks** ➔ **Network mode**.
2. Tap **GSM only**. A check mark displays next to this option to indicate that it is active. Connecting to 2G networks slows the data transfer speed and time.

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 the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **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 the main **Settings** page, tap **Connections** tab **More networks   Mobile networks   Network operators**.
2. Tap **Default setup**.
3. Tap **Automatic** to allow the device to automatically select a network.

    – or –

    Tap **Manual** to locate and connect to a network manually.

Tethering and Mobile HotSpot

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

Note: You can not mount your device's microSD card to your computer while using the USB tethering feature. If additional software or USB drivers are required, navigate to: http://www.samsung.com/us/support/downloads.

From the main **Settings** page, tap **Connections** tab **More networks   Tethering and Mobile HotSpot**.

USB Tethering

This option allows you to share your device's mobile data connection via a direct USB connection between your device and a single computer. The Mobile HotSpot connectivity is a wireless version of this same functionality and allows you to provide Internet connectivity to multiple devices.

Note: You can not mount your device's microSD card to your computer while using the USB tethering feature.
If additional software or USB drivers are required, navigate to: http://www.samsung.com/us/support/downloads.

To connect using USB Tethering:

1. From the Home screen, tap ▦ (**Apps**) ⬚ (**Mobile HotSpot**).

   – or –

   From the Home screen, press ▤ and then tap **Settings** 🔧 (**Connections** tab) **More networks** ➔ **Tethering and Mobile HotSpot**.

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

3. 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 Tethering active icon ⬚ in the Status bar area of the screen.

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4. Read the on-screen notification regarding data use and tap **OK**.

To disconnect tethering:

1. From the 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.

Mobile HotSpot

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

The Mobile HotSpot connectivity is a wireless version of this same functionality and allows you to provide Internet connectivity to multiple devices.

Important! The Mobile HotSpot service cannot be active when device is connected to Wi-Fi. Please disconnect your Wi-Fi connection prior to activating this service.

Note: You must have a tethering plan on your account in order to use the Mobile HotSpot.

To activate the Mobile HotSpot service:

1. From the Home screen, tap ▦ (**Apps**)
   🛜 (**Mobile HotSpot**).
   – or –

   From the Home screen, press ▭ and then tap
   Settings 🔲 (**Connections** tab) **More
   networks Tethering and Mobile HotSpot**.

2. In a single motion touch and slide the **Mobile HotSpot** slider to the right to turn it on.

3. Read the on-screen notification regarding data use and tap **OK**.

4. Edit the **Network SSID** name and then write it down.

5. Enable the **Broadcast network name (SSID)** field if you would like to broadcast your SSID name to nearby devices.

6. Verify the **Security** field is set to **WPA2 PSK**.

7. Enter a new password then write it down.
   – Additional options include Show password and Show advanced options.

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

9. Confirm the Mobile HotSpot active icon 🛜 appears at the top of the screen.

Note: By default, the connection is not secured.

Note: Using your Mobile HotSpot drains your device's battery much faster. The best way to keep using the device as a HotSpot is by connecting to a Charger.

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 external device and select your device's Mobile HotSpot name 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 **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 change the Portable HotSpot password:

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

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

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

4. With security enabled, delete the previous password and enter a new one 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.

To manage connected devices:

This feature allows you to provide MAC filtering on your device. This is similar to a "VIP list" where only device on the list are allowed access.

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

2. Tap **Mobile HotSpot** **Allowed devices**.

3. Tap ➕ (**Add new device**) to add devices to the allowed for connection list.

4. Enter the Device name and Mac address.

5. Tap **OK** to save the new device.

VPN settings

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

Note: Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to "Security" on page 280.

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.

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

1. From the main **Settings** page, tap **Connections** tab **More networks   VPN**.
2. If prompted, read the screen lock information and follow the on-screen steps to setup an unlock PIN or password.
3. Tap ➕ (**Add VPN network**).

4. In the form that appears, fill in the information provided by your network administrator.
5. Tap **Save**.

Note: Similar setup process can be used for all available VPN types.

Connecting to a VPN

1. From the main **Settings** page, tap **Connections** tab **More networks   VPN**.
2. Tap the VPN entry you want to connect to.
3. Enter any requested credentials into the pop-up that opens.
4. Tap **Connect**.

Edit a VPN

1. From the main **Settings** page, tap **Connections** tab **More networks   VPN**.
2. Touch and hold the VPN that you want to edit.
3. In the pop-up that opens, select **Edit network**.
4. Make the desired VPN setting changes.
5. Tap **Save**.

Delete a VPN

1. From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **VPN**.
2. Touch and hold the VPN that you want to delete.
3. Tap **Delete network** within the pop-up that opens up.

Wi-Fi Calling

You can configure your device to make and receive calls over an active Wi-Fi connection. Wi-Fi Calling is an excellent solution for coverage issues in and around the home or wherever cellular coverage is limited. Minutes used while connected to the Wi-Fi network count against available rate plan minutes.

For more information, refer to "Wi-Fi Calling" on page 58.

1. Ensure that the **Wi-Fi connected** icon 📶 displays on the status bar.
2. From the main **Settings** page, tap **Connections** tab ➔ **More networks**.
3. In a single motion touch and slide the **Wi-Fi Calling** slider to the right to turn it on.

Wi-Fi Calling Settings

Important! A compatible SIM card must be installed within the device prior to using this feature. Wi-Fi must first be active and communicating prior to launching Wi-Fi Calling.

1. From the main **Settings** page, tap **Connections** tab ➔ **More networks** ➔ **Wi-Fi Calling**.
2. Tap **Connection Preferences** and select a preference for use of the Wi-Fi Calling feature:
   • **Wi-Fi Preferred**: Wi-Fi network is preferred over cellular network when making calls. Calling requires you to stay in the Wi-Fi range.
   • **Cellular Network Preferred**: The cellular network is preferred over a Wi-Fi network when making calls.
   • **Never use Cellular Network**: Use only Wi-Fi for calls. Do not use Cellular Network, even if available.
3. Tap **Help** from the main Wi-Fi Calling Settings page to navigate through either an on-screen tutorial or review the top 10 Wi-Fi Calling questions.

Near Field Communication

This feature is used to read and exchange tags. When used in conjunction with Android Beam, your device can be used to beam application content when NFC-capable devices are touched.

1. From the main **Settings** page, tap **Connections** tab.
2. Tap the **NFC** field and verify the feature is active (indicated by ![ON]).

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

1. From the main **Settings** page, tap **Connections** tab → **NFC** → **Android Beam**.
2. Tap the **OFF / ON** icon to turn Android Beam on.
3. Touch the back of your device with another NFC-capable device and the content is transferred.

S Beam

This feature (when activated via NFC) allows you to beam large files directly to another compatible device that is in direct contact. These files can be larger, such as Videos, HD pictures, and other large files.You can beam images and videos from your gallery, music files from your music player, and more.

1. From the main **Settings** page, tap **Connections** tab.
2. Verify the NFC feature is active.
3. Tap **S Beam** and make sure the feature is turned on.
4. If not already active, in a single motion touch and slide the **S Beam** slider to the right to turn it on.
5. Complete the transfer process between the two NFC-enabled devices by placing them back to back.

This feature can come in very handy to quickly share pictures between users with compatible S Beam devices. For more information, refer to "Using S Beam to Share Pictures" on page 143.

Nearby devices

This option allows you to share your media files with nearby devices using DLNA and connected to the same Wi-Fi.

1. Connect to a Wi-Fi network.
2. From the main **Settings** page, tap **Connections** tab **NFC**.
3. Tap the **NFC** field to turn file sharing on. Once active, (**Nearby devices**) appears at the top of the screen.

Note: Turn NFC off by tapping the NFC field again.

4. At the Nearby devices prompt, tap **OK**.
5. Tap **Shared contents**, then check the media you would like to share. Tap **OK**.
6. Tap **Allowed devices list**, then select the connected devices you would like to allow.
7. Tap **Not-allowed devices list**, then select the connected devices you would like to not allow.
8. Tap **Download to**, then select the destination of any downloaded (shared) content. Choose from USB storage (Device) or SD card.

9. Tap **Upload from other devices**, then select the actions you'll take when you upload content from other devices. Choose from either Always accept, Always ask, or Always reject.

Screen Mirroring

With feature enabled, you can wirelessly mirror what is currently displayed on your device's screen with an external TV via devices such as the AllShare Cast Hub®.

Note: Screen mirroring can only be done with a compatible wireless TV or one enabled with the AllShare Cast Hub.

1. From the main **Settings** page, tap **Connections** tab **Screen Mirroring**.
2. In a single motion touch and slide the **Screen Mirroring** slider to the right to turn it on. The slider color indicates the activation status.

Note: This feature allows a connection between your device and the optional AllShare Cast Hub, via a shared Wi-Fi Direct connection. The AllShare Cast Hub then allows the communicating TV to mirror what is being shown on the device's display.

For more information, refer to "AllShare Cast Hub" on page 148.

Lock Screen

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

Screen Unlock Pattern Overview

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

> From the Home screen, press ▭ and then tap **Settings** (**My device** tab) ➔ **Lock screen** ➔ **Screen lock**.

The Screen lock menu allows to choose from a variety of locking features such as:

- **Swipe**: Swipe the screen to unlock it.
- **Face unlock**: Look at your phone to unlock it.
- **Face and voice**: Look at your phone and speak to unlock.
- **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
- **PIN**: Select a PIN to use for unlocking the screen.
- **Password**: Create a password for unlocking the screen.
- **None**: No pattern, PIN, or password is required. The screen will never lock.

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 the main **Settings** page, tap **My device** tab ➔ **Lock screen**.
2. Tap **Screen lock** ➔ **Swipe**.

1. From the main **Settings** page, tap **My device** tab **Lock screen**.

2. Configure one of the following options.

   • **Multiple widgets** allows you to display multiple widgets on your lock screen. Appears as an options after a lock mode is enabled.

   • **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.

   • **Shortcuts** sets shortcuts to appear at the bottom of the Lock screen. Touch and slide the slider to the right to turn it on.

   • **Unlock effect** sets the effect you receive when unlocking the phone. You can select None, Ripple effect, or Light effect.

   • **Help text** shows help information on the Lock screen.

   • **Wake up in lock screen** requires that you say a command to wake-up your phone.

   • **Set wake-up command** designates your wake-up commands. Tap **Set wake-up command** and follow the on-screen prompts to create a new verbal command.

Using Face Unlock

This feature used facial recognition to unlock your phone. 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 the main **Settings** page, tap **My device** tab **Lock screen**.

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

3. Read the on-screen notification and tap **Next**.

4. From the About Face Unlock screen, tap **Set it up Continue**.

5. Follow the on-screen instructions.

6. If your face is not recognized, choose an unlocking method: Pattern or PIN.

Face unlock options

Once Face unlock is enabled, additional options are available:

- **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.
- **Improve facial recognition** allows you to improve your device's face matching capability by capturing your face in different lighting, with or without glasses, and bearded or clean-shaven. Follow the on-screen instructions.
- **Presence check** requires that you blink when using the Face unlock feature. This will increase the security of the feature.
- **Lock automatically** locks the screen 5 seconds after the screen turns off.
- **Lock instantly with power key** once enabled, instantly locks the screen after pressing the power key.

Using Face and Voice Unlock

This feature used facial recognition to unlock your phone. 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 the main **Settings** page, tap **My device** tab ➔ **Lock screen**.
2. Tap **Screen lock** ➔ **Face and voice**.
3. Read the on-screen notification and tap **Next**.
4. From the About Face Unlock screen, tap **Set it up** ➔ **Continue**.
5. Follow the on-screen instructions.
6. Once prompted to speak and unlock command, tap and repeat the phrase four times.
7. Once complete, tap **Done**.

Setting an Unlock Pattern

Creating a screen unlock pattern increases security on the phone. When you enable the User visible pattern field, you will draw an unlock pattern on the screen whenever you want to unlock the phone's buttons or touch screen. When you activate the User tactile feedback field, you feel vibration as feedback while drawing the pattern.

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.

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1. From the main **Settings** page, tap **My device** tab **Lock screen**.
2. Tap **Screen lock   Pattern**.
3. 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.

4. When you have connected at least four dots in a vertical, horizontal or diagonal direction, lift your finger from the screen and tap **Continue**.
5. Confirm the new pattern by redrawing it and then tapping **Confirm**. The Unlock pattern is set.
6. Enter the backup PIN code and tap **Continue**.
7. 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 the main **Settings** page, tap **My device** tab **Lock screen**.
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 the main **Settings** page, tap **My device** tab
   Lock screen.
2. Tap **Screen lock**.
3. Retrace your current pattern on the screen.
4. Tap **None**.

Pattern options

Once an unlock pattern is enabled, additional options are
available:

- **Lock screen widgets** allows you to lock the widgets that are
  displayed on your home screens.
- **Make pattern visible** allows you to see the pattern as you
  draw it.
- **Lock automatically** allows you to set a time-out for lock
  screen.
- **Lock instantly with power key** allows you to lock the screen
  by pressing ⬚.

What If I Forget my Pattern?

If you forget your device's lock pattern, you can unlock your
device or reset it using your Google™ Account credentials.
When you enter the wrong unlock pattern too many times,
you should see an option at the bottom of the screen that
says **Forgot pattern?** Follow these steps to use either your PIN
or email address.

Important! You can only enter an incorrect lock pattern 5 times
before the device is locked.

Important! If you are unsuccessful in retrieving your lock
pattern or unlocking your device, please contact
T-Mobile for assistance.

To unlock your device with a PIN code:

1. Tap **Backup PIN** (located at the bottom of the screen).
2. Tap **Done**.
3. If you have forgotten your current pattern, tap **Pattern**
   from the Screen unlock settings menu and follow the
   procedures outlined in "Setting an Unlock Pattern" on
   page 245 to create a new pattern.

To unlock your device using your Google account:

1. Tap **Forgot pattern?** (located at the bottom of the screen).

2. Tap the **Username (email)** and **Password** fields, use the on-screen keyboard to enter your Google Account credentials, and tap **Sign in** to complete the login process.

3. If you have forgotten your Google Account credentials, visit the Google website to recover them. If you still cannot get your Google Account credentials, contact your wireless carrier for additional options.

PIN Lock and Unlock

1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen**.

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 phone now requires you to enter this PIN number in order to unlock the phone.

Password Lock and Unlock

1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen**.

2. Tap **Screen lock**.

3. Tap **Password**.

4. Enter a password using the keypad and tap **Continue** to confirm the password.

5. Confirm the password by re-entering it and tap **OK** to confirm.

Customizing Your Lock Screen Shortcuts

Your device also provides up to 4 application shortcuts that can be used to quickly access an application right from the lock screen.

Important! To use these shortcuts, your Screen Lock feature can only be set to either Swipe or None.

To open a shortcut from the lock screen:

In a single motion, swipe your finger over the on-screen icon and towards the top of your device. Your device will unlock and you will be taken immediately to the application.

To edit these Lock screen shortcuts:

1. From the main **Settings** page, tap **My device** tab ➔ **Lock screen** ➔ **Shortcuts**.
2. In a single motion touch and slide the **Shortcuts** slider to the right to turn it on.
3. Tap the **Shortcuts** field to activate the menu.
4. Tap a shortcut icon you wish to replace.
5. From the select application menu, tap a replacement application.

Display Settings

In this menu, you can change various settings for the display such as the wallpaper, Multi window, brightness, orientation, and screen timeout, and power saving mode.

Adjusting the Screen Display

1. From the Home screen, press ▭ and then tap **Settings** ➔ (**My device** tab) ➔ **Display**.
2. Configure the following screen display settings:
   - **Wallpaper**: allows you to set the Wallpaper for your Home screen, Lock screen, or both.
   - **Notification panel**: allows you to set the brightness of your notification panel and also select the quick setting buttons that you want to display at the top of the notification panel.
   - **Multi window**: tap this option to enable/disable the automatic Multi window feature.
   - **Page buddy**: allows context related pages to be created on the Home screen. You can select Earphones page, Docking page, and Roaming page. Tap Page buddy help for more information.
   - **Brightness**: adjusts the on-screen brightness level. For more information, refer to "Adjusting Screen Brightness" on page 249.

- **Auto rotate screen**: when enabled, the phone automatically switches from portrait to landscape orientation and vice versa. When this setting is disabled, the phone displays in portrait mode only.
- **Screen timeout**: adjusts the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes, and 10 minutes.
- **Daydream**: allows you to control what your screen does when your device is docked or sleeping. Tap the adjacent OFF / ON icon to turn it on. Follow the on-screen instructions.
- **Font style**: sets the fonts used on the LCD display. Selections are: **Default font**, **Choco cooky**, **Cool jazz**, **Rosemary**, **Samsung Sans** or **Get fonts online**. Tap **Get fonts online** to download additional fonts.
- **Font size**: allows you to select which size of font is displayed.
- **Touch key light duration**: allows you to adjust the delay before the Touch key light automatically turns off.
- **Show battery percentage**: to activate/deactivate the display of battery charge percentage atop the battery icon at the top of the screen.

- **Auto adjust screen tone**: adjusts the phone's LCD brightness level to automatically adjust and conserve battery power.

Adjusting Screen Brightness

This feature configures the LCD Brightness levels.

1. From the main **Settings** page, tap **My device** tab ➔ **Display** ➔ **Brightness**.
2. Tap **Automatic brightness** to allow the phone to self-adjust and tap **OK**.

   – or –

   Touch and slide the on-screen slider to adjust the level and tap **OK**.

Assigning a Wallpaper

The Wallpaper settings option allows you to set the Wallpaper for your Home screen, Lock screen, or both.

1. From the main **Settings** page, tap **My device** tab ➔ **Display** ➔ **Wallpaper**.

2. Select an available option to change its current wallpaper.

For more information, refer to "Managing Wallpapers" on page 38.

LED Indicator

This option allows you to turn on your LED lights for charging, missed events, and incoming notifications. The light will turn on by default unless you turn them off.

1. From the Home screen, press ▤ and then tap **Settings** ⬚ (**My device** tab) ➔ **LED indicator**.

2. Tap the following LED indicator options to turn them on or off:
   • **Charging**: LED lights up when the device is connected to the charger.
   • **Low battery**: LED lights up when the battery level is low.

• **Notifications**: LED lights up when you have missed calls, messages, or application events.
• **Voice recording**: LED lights up when you are recording voice. The LED only lights up when the screen is off.

Sound Settings

From this menu you can control the sounds on the phone as well as configure the display settings.

> From the Home screen, press ▤ and then tap **Settings** ⬚ (**My device** tab) ➔ **Sound**.

The following options display:

Silent mode via Device Options Screen

Silent mode is convenient when you wish to stop the phone from making noise, in a theater for example. In Silent Mode the speaker is muted and the phone only vibrates to notify you of incoming calls, or other functions that normally have a defined tone or sound as an alert.

1. From the Home screen, press and hold ⬚ (**Power/End**) until the **Device options** screen displays.

2. Tap either **Mute**, **Vibrate**, or **Sound** from the Device options screen to activate or deactivate these features (the current mode displays).

Adjusting the Volume Settings

The Volume menu now provides access to various volume settings within one on-screen popup menu.

1. From the main **Settings** page, tap **My device** tab **Sound   Volume**.
2. Touch and drag the on-screen slider to assign the volume settings for any of the following volume levels.
   • **Music, video, games and other media**, **Ringtone**, **Notifications** or **System**.
3. Tap **OK** to assign the volume levels.

Vibration intensity

Vibration intensity allows you to select how intense the vibration is for different options.

1. From the main **Settings** page, tap **My device** tab **Sound   Vibration intensity**.
2. Touch and drag the slider to adjust the Vibration intensity for **Incoming call**, **Notification**, and **Haptic feedback**.
3. Tap **OK** to assign the vibration levels.

Setup the Ringtones

This option allows you to set the ringtone.

1. From the main **Settings** page, tap **My device** tab **Sound**.
2. Tap **Ringtones**.
3. Tap a ringtone from the available list. The ringtone briefly plays when selected.
4. Tap **Add** to locate a compatible media file that can be used as a ringtone.
5. Tap **OK** to assign a ringer.

Setup the Vibration

This option allows you to set your device to vibrate and ring.

1. From the main **Settings** page, tap **My device** tab **Sound**.
2. Tap **Vibrations**.
3. Select a vibration pattern and tap **OK**.
   – or –

   Tap **Create** to then use an on-screen touch circle to create your own custom vibration pattern. Tap **Save** to store the new vibration pattern.

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Setting a Default Notification Ringtone

This option allows you to set the ringtone that will sound for notifications and alarms.

1. From the main **Settings** page, tap **My device** tab **Sound**.
2. Tap **Default notification sound**.
3. Select a ringtone and tap **OK**.

Setting up Vibration When Ringing

This option allows you to enable your phone to vibrate when a call is incoming.

1. From the main **Settings** page, tap **My device** tab **Sound**.
2. Tap the **Vibrate when ringing** field to activate the feature.

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.

1. From the main **Settings** page, tap **My device** tab **Sound**.
2. Tap **Dialing keypad tone** to activate a tone when you use on-screen keys. A check mark displayed next to these features indicates active status.
3. Tap **Touch sounds** to activate a tone when you touch the screen. A check mark displayed next to this feature indicates active status.
4. 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.
5. Tap **Haptic feedback** to activate the a vibration when you press soft keys on certain screens. A check mark displayed next to the feature indicates this feature is active.

6. Tap **Auto haptic** to enable the ability of the device to vibrate automatically in response to sounds of downloadable apps.

Samsung Keyboard

These options are used when you use the on-screen keypad.

1. From the main **Settings** page, tap **My device** tab ▶ **Sound**.

2. Tap **Key-tap sound** to activate a tone when you use on-screen keys. A check mark displayed next to this features indicates active status.

3. Tap **Key-tap vibration** to activate the a vibration when you press on-screen keys. A check mark displayed next to the feature indicates this feature is active.

Audio Output

This sound feature configures the audio output.

1. From the main **Settings** page, tap **My device** tab ▶ **Sound** ▶ **Audio output**.

2. Choose from either Stereo or Surround.

Home Screen Mode

This application allows you to set your display to the conventional layout of **Standard mode** or provide an easier user experience for the first-time smartphone users using **Easy mode**.

1. From the Home screen, press 🗏 and then tap **Settings** 🔲 (**My device** tab) ▶ 🏠 (**Home screen mode**).

2. Select one of the following options:
   • **Standard mode**: provides conventional layout for the apps and widgets on your home screens.
   • **Easy mode**: provides easier user experience for first-time smartphone users on the home screens.

3. Tap **Apply** and give your device a few seconds to update the device with the new look and feel.

Call Settings

1. From the Home screen, tap 📞 (**Phone**).

2. Press ▤ and then tap **Call settings**.

   – or –

   From the Home screen, press ▤ and then tap
   Settings 🔧 (**My device** tab) **Call**.

Configuring General Call Settings

Configure the general call settings using this option.

1. From the Home screen, tap 📞 (**Phone**).

2. Press ▤ and then tap **Call settings** and then tap one
   of the following options:

   • **Call rejection**: allows you to manage your rejection mode and
     rejection list.

     – **Auto reject mode**: sets the phone to automatically reject
       incoming calls.

     – **Auto reject list**: provides access to current rejection entries
       and numbers.

   • **Set up call rejection messages**: allows you to manage both
     existing rejection messages and create new ones.

• **Answering/ending calls**: allows you to manage the settings
  for answering and ending calls.

  – **The home key answers calls** allows you to press 🔘
    to answer the phone.

  – **Voice control** allows you to answer incoming voice calls using
    voice.

  – **The power key ends calls** allows you to press the power key
    to end the current call.

• **Turn off screen during calls**: allows you to force the screen to
  turn off during an active call.

• **Call alerts**: allows you to assign call alert tones and activate
  call alerts and vibration.

  – **Call vibrations**: vibrates the phone when the called party
    answers. Choose from: Answer vibration or Call-end vibration.

  – **Call status tones**: assigns sounds settings during the call.
    Choose from: Call connect tone, Minute minder, and Call end
    tone.

  – **Alerts on calls**: selects whether alarm and message
    notification is turned off during a call.

- **Call accessories**: allows you to assign headset settings during incoming calls.
  - **Automatic answering** configures the device to automatically answer and incoming call when a headset is detected.
  - **Automatic answering timer** configures the time delay before the device automatically accepts the incoming call.
  - **Outgoing call conditions** configures the connected Bluetooth device to make outbound calls within one of two settings: Even when device locked or Only when device unlocked.
- **Wi-Fi Calling**: Allows you to both activate/deactivate the Wi-Fi Calling feature and configure its settings.

Note: If the Wi-Fi Calling feature is active and connected, the Call forwarding feature is greyed-out and inaccessible.

- **Additional settings**: allows you to configure additional call settings. For more information, refer to "Configuring Additional Voice Call Settings" on page 257.
- **Ringtones and keypad tones**: allows you to manage your device's ringtones and vibratory features. Choose from: Ringtones, Vibrations, Vibrate when ringing, and Dialing keypad tone (used when the keypad is pressed).

- **Personalize call sound**: allows you to enable the personalize call sound function within an active call. You can adjust the audio by enabling selecting an audio preset.
- **Noise reduction**: allows you to enable suppression of background audio.
- **Increase volume in pocket**: enables the ringtone volume to be increased when the device is in a pocket or bag.
- **Voicemail service**: allows you to assign the service.
- **Voicemail settings**: displays the settings for the voicemail.
- **Sound**: assigns your device's ringtone.
- **Vibrate**: configures the vibrate settings.
- **TTY mode**: allows you to configure the TTY settings. For more information, refer to "TTY Mode" on page 262.
- **Hearing aids**: allows you to enable/disable hearing aid compatibility. For more information, refer to "HAC Mode" on page 262.

Call rejection

1. From the main **Call settings** page, tap **Call rejection Auto reject mode** and tap one of the following options:
   • **All numbers**: to reject all calls.
   • **Auto reject numbers**: to reject all calls in your Reject list.
2. Tap **Auto reject list**.
3. Tap ➕ to manually add numbers to the Reject list.
4. Tap **Unknown** to create a check mark and automatically reject all calls that are not in your Contacts list.

Set reject messages

1. From the main **Call settings** page, tap **Set up call rejection messages**.
2. Tap ➕ to manually add a reject message.
   – or –

   Tap one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message if desired.

   • Tap **Save** to save the reject message.

Answering/ending calls

1. From the main **Call settings** page, tap **Answering/ ending calls**.
2. Select any of the following options:
   • **The home key answers calls** allows you to press ⬜ to answer the phone.
   • **Voice control** allows you to answer incoming voice calls using voice.
   • **The power key ends calls** allows you to press the power key to end the current call.

Turn off screen during calls

This option turns on the proximity sensor during calls so that your phone will know to turn the screen off to save power.

   From the main **Call settings** page, tap **Turn off screen during calls** to create a check mark and enable the feature.

Call alerts

1. From the main **Call settings** page, tap **Call alerts**.
2. Tap **Call vibrations** to enable your phone to vibrate when the called party answers the phone.
   - Choose from: Answer vibration or Call-end vibration.
3. Tap **Call status tones** to set the sound settings during a call then tap **OK**.
   - Choose from: Call connect tone, Minute minder, and Call end tone.
4. Tap **Alerts on calls** to turn off alarm and message notifications during a call.

Accessory settings for call

1. From the main **Call settings** page, tap **Call accessories**.
2. The following options are available:
   - **Automatic answering**: configures the device to automatically answer and incoming call when a headset is detected.
   - **Automatic answering timer**: configures the time delay before the device automatically accepts the incoming call.
   - **Outgoing call conditions**: allows you to make calls even when the device is locked.

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Wi-Fi Calling

Wi-Fi Calling is a free feature for T-Mobile customers using this device with the new SIM card. Wi-Fi Calling is an excellent solution for coverage issues in and around the home or wherever cellular coverage is limited. Minutes used while connected to the Wi-Fi network count against available rate plan minutes.

For more information, refer to "Wi-Fi Calling" on page 58.

Configuring Additional Voice Call Settings

1. From the main **Call settings** page, tap **Additional settings**.
2. Tap one of the following options:
   - **Caller ID**: chooses whether your number is displayed when someone answers your outgoing call. Choose from: Network default, Hide number, or Show number.
   - **Call forwarding**: configures the forwarding settings.
   - **Auto area code**: allows you to automatically prepend a specific area code to all outbound calls.
   - **Call barring**: blocks specific types of calls (All outgoing calls, International calls, etc..).

- **Call waiting**: notifies you of an incoming call while you are on another call.
- **Auto redial**: automatically redial the dialed number if it is unable to connect or the call is cut off.
- **Fixed dialing numbers**: manages fixed dialing numbers.

Configuring Call Forwarding

1. From the main **Call settings** page, tap **Additional settings** ➔ **Call forwarding**.

Important! Call Forwarding is disabled when the Wi-Fi Calling feature is enabled.

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2. Tap an available option:
   - **Always forward**: incoming calls are re-routed to a secondary number that you specify.
   - **Forward when busy**: forwards all your calls to voicemail when your phone is busy.
   - **Forward when unanswered**: automatically forwards to your voicemail number when the phone is not answered, and otherwise allows you to enter a voicemail number.

- **Forward when unreachable**: automatically forwards to your voicemail number when the phone is not in service, or is turned off.

Using Auto Area Code

This feature prepends an area code to all outbound calls. When enabled, the designated prefix is always added before your dialed numbers.

Ex: If you were using 999 as your area code, 555-5555 would be dialed as 999 - 555-5555.

1. From the main **Call settings** page, tap **Additional settings**.
2. Tap **Auto area code**, enter a new prefix, and then tap **OK**.

Call Barring

Configures the device to barr (prevent) selected outbound calls.

1. From the main **Call settings** page, tap **Additional settings**.

2. Tap **Call barring** and select from the available settings. Choose from: All outgoing calls, International calls, Intl' calls except home, All incoming calls, or Incoming when roaming.

Call Waiting

1. From the main **Call settings** page, tap **Additional settings**.

2. Tap **Call waiting** to enable/disable the on-screen notification of new incoming call during an active call.

Auto Redial

1. From the main **Call settings** page, tap **Additional settings**.

2. Tap **Auto redial** to automatically enable/disable the feature whereby the device redials the dialed number if it is unable to connect or the call is cut off.

Fixed Dialing Numbers

Fixed Dial Number (FDN), allows you to restrict outgoing calls to a limited set of phone numbers.

Enabling FDN

1. From the main **Call settings** page, tap **Additional settings Fixed dialing numbers**.

2. Tap **Turn on FDN**.

3. At the prompt, enter your PIN2 code and tap **OK**.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display. The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code could cause the phone to lock. Contact customer service for assistance.

Changing the PIN2 Code

1. From the main **Call settings** page, tap **Additional settings Fixed dialing numbers**.

2. Tap **Change PIN2**.

3. At the prompt, enter your old PIN2 code.

4. At the prompt, enter a new PIN2 code.

5. Confirm your PIN2 code.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.
The PIN2 code is provided by your carrier. Entering the PIN2 incorrectly three times will cause the device to lock. Contact customer service for assistance.

Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

1. From the main **Call settings** page, tap **Additional settings   Fixed dialing numbers**.
2. Tap **Turn on FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**. FDN is enabled.
4. Tap **FDN list** then press 🔲 and then tap **Add contact** or edit the contacts that were stored.

Ringtones and keypad tones

1. From the main **Call settings** page, tap **Ringtones and keypad tones**.
2. Tap **Ringtones**, select a ringtone, and tap **OK**.
   • Tap **Add** to locate an audio file to create as a ringtone.
3. Tap **Vibrations**, select a vibration type, and tap **OK**.
   • Tap **Create** to begin creating your own custom vibration.
4. Tap **Vibrate when ringing** to create a check mark if you want your phone to vibrate when a call is incoming.
5. Tap **Dialing keypad tones** to create a check mark if you want tones to play when the keypad is pressed.

Personalize call sound

This option allows you to personalize the sounds you hear during a call with and without earphones.

> From the main **Call settings** page, tap **Personalize call sound** and activate the feature by selecting an available option.

Noise reduction

This option allows you to suppress background noise during a call.

> From the main **Call settings** page, tap **Noise reduction** to create a check mark and enable the feature.

Increase volume in pocket

This option increases the ringtone volume when the device is in a pocket or a bag. It uses the proximity sensor to detect its location.

> From the main **Call settings** page, tap **Increase volume in pocket** to create a check mark and enable the feature.

Voicemail

You can view your voicemail number from this menu.

1. From the main **Call settings** page, tap **Voicemail service**.
2. If an additional voicemail service is in use (other than carrier), tap **Voice settings** to now view your selected voicemail number and information.

Sound - Voicemail Ringtone

This option allows you to assign your default voicemail notification tone.

1. From the main **Call settings** page, tap **Sound**.
2. Select a voicemail notification tone and tap **OK**.

Vibrate

This option allows you to activate a vibration for an incoming voicemail.

From the main **Call settings** page, tap **Vibrate** field to toggle the feature on or off.

TTY Mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your device is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

1. From the main **Call settings** page, tap **TTY mode**.
2. Tap **TTY Full**, **TTY HCO**, or **TTY VCO** to activate the feature, or **TTY Off** to deactivate the feature. Off is the default setting.

HAC Mode

This menu is used to activate or deactivate Hearing Aid Compatibility for this device.

> From the main **Call settings** page, tap the **Hearing aids** field to activate the feature (green check mark), or tap it again to deactivate the feature. Off is the default setting.

Blocking Mode

When Blocking mode is enabled, notifications for selected features will be disabled. You will only receive notifications of incoming calls from people on your allowed list.

1. From the Home screen, press ▭ and then tap **Settings** 🔳 (**My device** tab).
2. In a single motion touch and slide the **Blocking mode** slider to the right to turn it on. Confirm the Blocking mode active icon ⊖ appears in the Status bar.
3. Place a green check mark adjacent to those features you would like to enable. Choose from: Block incoming calls, Turn off notifications, Turn off alarm and timer, Turn off LED indicator.

4. Configure a timeframe for these features to be active. Remove the check mark from the **Always** field to configure the **From** and **To** time fields.

5. Tap **Allowed contacts** to assign those contacts that are exempted from these rules. Choose from None, All contacts, Favorites, or Custom. Allowed contacts will then appear in the **Allowed contact list**.

Hands-free Mode

When enabled, alarm and information will be read aloud.

1. From the Home screen, press ▤ and then tap **Settings** 🔳 (**My device** tab) ➔ **Hands-free mode**.

2. In a single motion touch and slide the **Hands-Free mode** slider to the right to turn it on. Confirm the Hands-Free mode active icon 🔘 appears in the Status bar.

3. Enable any of the following options:
   • **Incoming call**: read out callers' information when receiving incoming calls.

   • **Message**: read out senders' information when receiving incoming calls.

   • **Alarm**: read out alarm information when alarms sound.

   • **Schedule**: read out scheduled alarm information when alarms sound.

Power Saving Mode

This feature allows you both automatically set the phone to use a power saving mode and configure additional power saving options manually, all in an effort to conserve battery power.

1. From the Home screen, press ▤ and then tap **Settings** 🔳 (**My device** tab) ➔ **Power saving mode**.

2. In a single motion touch and slide the slider to the right to turn it on.

3. Tap the following options to create a check mark and conserve power:
   • **CPU power saving**: allows you to limit the maximum performance of the CPU.

   • **Screen power saving**: allows you to lower the screen power level.

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• **Turn off haptic feedback**: allows you to turn off vibration when you tap or touch the screen.

4. Tap **Learn about Power saving** to learn about various ways to conserve battery power.

Accessory

This menu allows you to assign external speakers when the device is docked.

1. From the Home screen, press ▤ and then tap **Settings** 🔲 (**My device** tab) **Accessory**.

2. Tap **Dock sound** to play sounds when inserting or removing the phone from the dock.

3. Tap **Audio output mode** to use the external dock speakers when the phone is docked.

4. Tap **Desk home screen display** if you wish to show the desk home screen when the device is docked.

5. Tap **Audio output** to set your Audio output to Stereo or Surround.

Accessibility Settings

This service lets you enable and disable downloaded accessibility applications that aid in navigating your Android device, such as TalkBack (uses synthesized speech to describe the results of actions), KickBack (provides haptic feedback for actions), and SoundBack (plays sounds for various actions). Also lets you enable use of the power key to end calls.

1. From the Home screen, press ▤ and then tap **Settings** 🔲 (**My device** tab) **Accessibility**.

Note: Initially, it might be necessary to download accessibility applications from the Play Store.

2. Select the **Auto rotate screen** field to activate this feature which automatically rotates an available screen.

3. Tap **Screen timeout** to timeout the accessibility feature after a defined amount of time.

4. Tap **Lock automatically** to lock the screen automatically after a selected amount of time.

Note: The Lock automatically function is only available if your device is already using the screen lock feature.

5. Select the **Speak passwords** field to activate this feature which reads out password information.

6. Select **Answering/ending calls** field to select the methods you can use to answer and end a call.

7. Tap **Show shortcut** allows you to press and hold ▭ (**Power/End**) to use the accessibility shortcut under the Device options screen.

8. Tap **TalkBack** to activate the feature.

Note: TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.

Important! TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

9. Tap the **Font size** field to change the size of the fonts used on the device within menus, options, etc.. Choose from: Tiny, Small, Normal, Large, or Huge.

10. Enable **Magnification gestures** to use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.

11. Tap the **Negative colors** field to reverse the display of on-screen colors from White text on a Black background to Black text on a White background.

12. Tap **Accessibility shortcut** to allow you to quickly enable accessibility features in 2 quick steps. Touch and slide the slider to the right to turn it on. Follow the on-screen instructions.

13. Tap the **Text-to-speech options** field to configure the text to speech configuration parameters.

14. Use the **Sound balance** field to allow you to use the slider to set the Left and Right balance when using a stereo device.

15. Tap the **Mono audio** field to enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.

16. Tap the **Turn off all sounds** field to mute every sound made by the device during taps, selections, notifications, etc..

17. Tap the **Press and hold delay** field to select a time interval for this action. Choose from: Short, Medium, or Long.

Language and Input Settings

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

> From the Home screen, press ▭ and then tap **Settings** 🔲 (**My device** tab) ➔ **Language and input**.

Language Settings

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

1. From the main **Settings** page, tap **My device** tab ➔ **Language and input** ➔ **Language**.

2. Select a language and region from the list.

Choose Input Method

1. From the main **Settings** page, tap **My device** tab ➔ **Language and input** ➔ **Default**.

2. Select an input method.

   – or –

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

Samsung Keyboard Settings

1. From the main **Settings** page, tap **My device** tab ➔ **Language and input** ➔ 🔲 (adjacent to the **Samsung keyboard** field).

   – or –

   From within an active text entry screen, touch and hold 🎤 (**Input Methods**), drag across the icons, and select 🔲 (**Settings**) to reveal the **Samsung keyboard settings** screen.

2. Set any of the following options:

   • **Input languages** sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.

- **Predictive text** enables predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings.
- **Auto replacement** automatically completes or replaces the current word with the most probable word match after tapping the space bar or entering a punctuation mark.
- **Auto capitalization** automatically capitalizes the first letter of the first word in each sentence (standard English style).
- **Auto spacing** automatically inserts space between words.
- **Auto punctuate** automatically inserts a full stop in a sentence by tapping the space bar twice when using the on-screen QWERTY keyboard.
- **Keyboard swipe**: allows you to combine the Samsung keyboard with an additional input method choose from:
  - **None** leaves text input as only via the on-screen keyboard.
  - **T9 Trace** like using Swipe, allows you to enter text by sliding your fingers across the on-screen keyboard. This feature is optimized for use with the on-screen QWERTY keyboard.
  - **Cursor control** when enabled, allows you to control your on-screen cursor by moving your finger across the keyboard.
- **Key-tap feedback** provides feedback functions to be enabled such as:
  - **Sound** enables auditory feedback when you tap an on-screen key.
  - **Vibration** enables vibration feedback when you tap an on-screen key.
  - **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
- **More settings** provides access to additional settings.
  - **Tutorial** launches a brief on-screen help tutorial covering the main concepts related to the Samsung keyboard.
- **Reset settings** resets the keyboard settings back to their original configuration.

Predictive Text - Advanced Settings

The predictive text system provides next-letter prediction and regional error correction, which compensates for users pressing the wrong keys on QWERTY keyboards.

Note: Only available when ABC mode is selected. Predictive text advanced settings are available only if the Predictive function is enabled.

1. From the main **Settings** page, tap **My device** tab **Language and input** 🔧 (adjacent to the **Samsung keyboard** field).

   – or –

   From within an active text entry screen, touch and hold 🎤 (**Input Methods**) 🔧 (**Settings**) to reveal the **Samsung keyboard settings** screen.

2. In a single motion touch and slide the **Predictive text** slider to the right to turn it on.

3. Tap the **Predictive text** field and configure any of the following advanced options:

   • **Personalized data** activate this feature to use the personal language data that you have entered and selected to make your text entry prediction results better. By enabling this feature you can choose from the following personalization features:

   • **Learn from Gmail**: allows you to sign in to your existing Gmail account from where your style and existing contact information is added to your personal dictionary. Helps recognize familiar names.

   • **Learn from Facebook** allows you to log into your current Facebook account and add used text to your personal dictionary.

   • **Learn from Twitter** allows you to sign into your existing Twitter account and add used text to your personal dictionary.

   • **Learn from Messages** allows your device to learn your messaging style by using your Messages information.

   • **Learn from Contacts** updates predictive style by learning your Contacts style.

   • **Clear personal data** removes all personalized data entered by the user.

4. Press ⏎ to return to the previous screen.

Swype Settings

To configure Swype settings:

1. From the main **Settings** page, tap **My device** tab
   Language and input ⚙ (adjacent to the **Swype**
   field).

2. Tap **Settings** on the left side of the screen to alter these
   settings:

   • **Vibrate on keypress**: activates a vibration sensation as you
   enter text using the keypad.

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

   • **Pop-up on keypress**: displays the character above the key
   when typing.

   • **Show complete trace**: once enabled, sets wether or not to
   display the complete Swype path.

   • **Auto-capitalization**: automatically capitalizes the first letter of
   a sentence.

   • **Auto-spacing**: automatically inserts a space between words.
   When you finish a word, just lift your finger or stylus and start
   the next word.

   • **Next word prediction**: once enabled, predicts the next word in
   your text string based on your current text entries.

   • **Show Voice key**: once enabled, displays the Voice icon on
   your Swype keyboard so you can use the Voice input option.

3. Tap **My Words** on the left side of the screen to access
   the following options:

   • **Backup & Sync**: allows you to backup your Swype dictionary
   and sync your Swype dictionary across multiple devices.

   • **Living Language**: when enabled, this feature automatically
   updates your Swype dictionary with popular new words.

   • **Social integration**: allows you to learn information from your
   Facebook, Twitter, and Gmail accounts to help you while using
   Swype.

   • **Edit my dictionary**: allows you to edit your personal Swype
   dictionary.

   • **Clear language data**: deletes all of your personal language
   data, including your words.

   • **Contribute usage data**: 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.

4. Tap **Languages** on the left side of the screen to activate and select the current text input language. Default language is English. Touch **Download languages**, to download additional languages.

5. Tap **Gestures** on the left side of the screen to view helpful information on using gestures while using Swype.

6. Tap **Help** on the left side of the screen to see the following options:
   - **How to Swype**: provides tips on how to learn to use Swype.
   - **Show helpful tips**: once enabled, displays helpful tips and hints as you are using Swype.
   - **Version**: displays the software version information.

7. Tap **Updates** on the left side of the screen to download any new Swype updates. If an update is available, it will display under the updates heading. If no updates are displayed, then check back later to see any available updates.

Configure Google Voice Typing

1. From the main **Settings** page, tap **My device** tab ▶ **Language and input**.

   – or –

   From a screen where you can enter text, in a single motion, touch and drag the Status bar down to the bottom of the screen, then select 🎹 (**Select input method**) ▶ **Set up input methods**.

2. Tap ⚙ (adjacent to the **Google voice typing** field).

3. Select a language by tapping **Choose input languages** area.

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

5. Select the desired languages.

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

7. Tap **Offline speech recognition** to enable speech recognition via locally stored files so that even if you are not connected to a network you can still use the service.

Configuring Voice Input Recognition

This feature allows the device to correctly recognize verbal input.

1. From the main **Settings** page, tap **My device** tab **Language and input.**

2. Tap **Voice search** to configure the following:
- **Language**: choose a language for your voice input.
- **Speech output**: Sets whether you will use speech output always or only when using hands-free.
- **Block offensive words**: enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
- **Hotword detection**: enable to being able to launch voice search by saying the word "Google".

- **Offline speech recognition**: enables voice input while offline.
- **Bluetooth headset**: records audio through a connected Bluetooth headset.

3. Press ⤶ to return to the previous screen.

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 the main **Settings** page, tap **My device** tab **Language and input   Text-to-speech options**.

2. Select a current Preferred TTS engine from the list of available options. Select **Samsung text-to-speech engine** or **Google Text-to-speech Engine**.

3. Tap ⚙ next to the preferred TTS engine configure the following settings:
   - **Language**: allows you to set the language for spoken text.
   - **Settings for Google Text-to-speech Engine**: allows you to view Open Source Licenses.
   - **Settings for Samsung text-to-speech engine**: allows you to configure the General settings for the Samsung TTS.
   - **Install voice data**: allows you to install voice data for speech synthesis.
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.
   - **Listen to an example**: plays a short example of what the text-to-speech feature sounds like on your device when activated.

Configuring the Mouse-TrackPad

This feature allows you to configure the pointer speed for a connected mouse or trackpad.

1. From the main **Settings** page, tap **My device** tab **Language and input   Pointer speed**.
2. Adjust the slider and tap **OK**.

Motion Settings

This feature allows you to assign specific functions to certain phone actions that are detected by both the accelerometer and gyroscope.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap 🔲 (**Apps**)   **Settings   My device** tab   **Motion**. When tapped, each entry comes with an on-screen tutorial.

To activate motion:
1. From the Home screen, press 🔲 and then tap **Settings**   🔲 (**My device** tab)   **Motion**.
2. In a single motion touch and slide the **Motion** slider to the right to turn it on.

Note: If Motion activation is not enabled, all motion services are greyed-out and disabled.

To activate different motion functions:

> Tap the **Motion activation** field and activate the desired
> on-screen motion option.

- **Direct call**: Once enabled, the device will dial the currently
  displayed on-screen Contact entry as soon as you place the
  device to your ear.
- **Smart alert**: Once enabled, pickup the device to be alerted and
  notified of you have missed any calls or messages.
- **Double tap to top**: Once enabled, double tap the top of the
  device to be taken to the top of the current on-screen list.
- **Tilt to zoom**: Once enabled, you must be on a screen where
  content can be zoomed. In a single motion, touch and hold two
  points on the display then tilt the device back and forth to zoom
  in or out.
- **Pan to move icon**: Once enabled, touch and hold a desired
  application shortcut icon or widget on the screen. Once it
  detaches, move the device left or right to migrate it to a new
  location.

- **Pan to browse images**: Once enabled, touch and hold a
  desired on-screen image to pan around it. Move the device left
  or right to pan vertically or up and down to pan horizontally
  around the large on-screen image.
- **Shake to update**: Once enabled, shake your device to rescan
  for Bluetooth devices, rescan for Wi-Fi devices, Refresh a Web
  page, etc.
- **Turn over to mute/pause**: Once enabled, mute incoming calls
  and any playing sounds by turning the device over display down
  on a surface. This is the opposite of the pickup to be notified
  gesture.
- **Palm swipe to capture**: Once enabled, you can capture any
  on-screen information swiping across the screen. In a single
  motion, press the side of your hand on the screen and swipe
  form left to right. The image is then copied to the clipboard.
- **Palm touch to mute/pause**: Once enabled, you can pause any
  on-screen video or mute any current sound by simply covering
  the screen with your hand. Once you remove your hand from
  the screen, the device goes back to normal by either continuing
  to play the current video or unmuting the current sound.

To adjust gesture sensitivity:

1. From the Home screen, press ▤ and then tap **Settings** **My device** tab **Motion Sensitivity settings**.

2. Tap an available field to access the sensitivity settings for the currently active gesture. Choose from:

   • **Tilt to zoom**: Allows you to zoom in or out when in the Gallery or Internet.

   • **Pan to move icon**: Allows you to move an icon to another page.

   • **Pan to browse images**: Allows you to move around an image when zoomed in.

Note: Sensitivity settings are only accessible if the gesture is currently active.

Smart screen

The Smart screen options allow you to customize your screen settings to make the screen more responsive and easier to use.

1. From the Home screen, press ▤ and then tap **Settings** (**My device** tab) **Smart screen**.

2. Tap any of the following options to create a checkmark and activate the features:

   • **Smart stay**: disables the screen timeout if your phone detects that your face is watching the screen.

   • **Smart rotation**: disables the auto screen rotation by checking the orientation of your face and the device.

Voice control

The Voice control settings allow you to set up voice commands to control your device.

1. From the Home screen, press 🔲 and then tap
    Settings 🔲 (**My device** tab) → **Voice control**.

2. Verify the feature is active by tapping [ON] at the top of your screen to activate Voice control.

3. The following options are available. Tap an option to create a checkmark and activate the feature.
    • **Incoming calls**: allows you to answer or reject calls using the commands **Answer** and **Reject**.
    • **Alarm**: allows you to stop or snooze an alarm by using the commands **Stop** and **Snooze**.
    • **Camera**: allows you to take pictures using the voice commands **Smile**, **Cheese**, **Capture**, or **Shoot**.
    • **Music**: allows you to control your Music player using the voice commands **Next**, **Previous**, **Pause**, **Play**, **Volume Up**, and **Volume Down**.

Note: If you set the alert type for calls or alarms to vibration, voice control will not be available.

Add Account

This menu allows you to set up, manage, and synchronize accounts, including your Google and email accounts.

Adding an Account

1. From the Home screen, press 🔲 and then tap
    Settings 🔲 (**Accounts** tab).

2. Navigate to the **My accounts** area and then tap **Add account** and select one of the account types.

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

4. A green circle will appear next to the account type once you have created an account. Your email account will also be displayed in the **Accounts** section of the main Settings menu.

Removing an Account

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

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1. From the main **Settings** page, tap **Accounts** tab.
2. Navigate to the **My accounts** area and then tap the account name.
3. From the Accounts area of the screen, tap the account entry.
4. Tap **Remove account**, then tap **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Synchronizing a Accounts

By default, all managed accounts are synchronized. You can also manually sync all current accounts.

1. From the main **Settings** page, tap **Accounts** tab.
2. Navigate to the **My accounts** area and then tap the account name.
3. Tap the account name entry.
4. Tap **Sync now** to synchronize your account or tap **Sync all** to synchronize all your accounts. Tap **Cancel sync** to stop the synchronization.
5. Tap **Settings** to access your account settings.

Creating a Samsung Account

Just as important as setting up and activating a Google account to help provide access to Play Store, etc.. An active Samsung account is required to begin accessing applications such as Samsung Hub.

Note: The Samsung account application will manage your access to the previously mentioned applications, and there is no longer a need to remember different passwords for each application.

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1. From the main **Settings** page, tap **Accounts** tab.

2. Navigate to the **My accounts** area and then tap **Add account   Samsung account**.

3. If you have previously created a Samsung account, tap **Sign in**.

   – or –

   If this is your first time, tap **Create new account**.

4. Follow the on-screen instructions.

Note: You may be prompted to confirm your credentials via email.

5. If prompted, follow the on-screen instructions to verify your account via the provided email address.

Note: Without confirming your email address and following the documented procedures, related applications will not function properly since it is Samsung account that is managing their username and password access.

Back up and Reset

Location settings, backup configurations, or reset the phone to erase all personal data.

> From the Home screen, press ▤ and then tap **Settings**   (**Accounts** tab)   **Backup and reset**.

Mobile Backup and Restore

The device can be configured to back up your current settings, application data and settings.

1. From the main **Settings** page, tap **Accounts** tab **Backup and reset**.

2. Tap **Back up my data** to create a backup of your current phone 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. For more information, refer to "Factory Data Reset" on page 278.

6. Tap **Collect diagnostics** to collects diagnostic data for troubleshooting use. For more information, refer to "Collect Diagnostics" on page 279.

Prior to doing a Factory Reset

Before initiating a factory reset, it is recommended that you backup your personal data prior to use.

To export a Contact list to your microSD card:

1. From the Home screen, tap 🔲 (**Contacts**).

2. Press 🔲 and then tap **Import/Export**.

3. Tap **Export to SD card** 🔲 **OK**. For more information, refer to "Export/Import" on page 97.

Verify your images and videos are on your microSD card:

1. From the Home screen, tap 🔳 (**Apps**) 🔲 (**Gallery**).

2. Verify the Gallery contains all of your pictures and videos.

3. Remove both the back cover and remove the internal microSD card prior to initiating the process.

Factory Data Reset

From this menu you can reset your device and sound settings to the factory default settings.

1. From the Home screen, press 🔲 and then tap **Settings** 🔧 (**Accounts** tab) 🔲 **Backup and reset** 🔲 **Factory data reset**.

2. Read the on-screen reset information.

3. Tap **Reset device.**

4. 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.

Collect Diagnostics

This feature only collects diagnostic data for troubleshooting use.

1. From the main **Settings** page, tap **Accounts** tab ➔ **Backup 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.

Location Services

The Location services allows you to configure the device's location services.

Important! The more location determining functions are enabled, the more accurate the determination will be of your position.

1. From the Home screen, press ▤ and then tap **Settings** ➔ 🔲 (**More** tab) ➔ **Location services**.

2. Tap any of the following options to create a checkmark and activate the service:

   • **Access to my location**: allows apps that have asked your permission to use your location information. Tap the ON/OFF slider to turn it on.

   • **Use GPS satellites**: allows applications to use GPS to pinpoint your location.

   • **Use wireless networks**: allows applications to use data from mobile networks and Wi-Fi to help determine your location.

Enabling the GPS Satellites

1. From the main **Settings** page, tap **More** tab **Location services**.

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

Using 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.

1. From the main **Settings** page, tap **More** tab **Location services**.

2. Tap **Use wireless networks** to allow apps to use data from sources such as Wi-Fi and mobile networks to provide a better approximation of your current location.

Security

The Security settings allow you to determine the security level for your device.

Encrypt Device

When enabled, this feature requires a numeric PIN or password to decrypt your device each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the Home screen, press ▣ and then tap **Settings** 🔲 (**More** tab) **Security**.

2. Tap **Encrypt device**. For more information, read the displayed help screen.

3. Tap **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

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

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.

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the main **Settings** page, tap **More** tab **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**.

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Password Settings

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

1. From the main **Settings** page, tap **More** tab **Security**.
2. Tap **Make passwords visible** to activate this feature.

Device Administration

Activating this feature allows Google to administrate your phone in a way similar to IT security settings on a corporate PC. This would be beneficial in the case that your phone was lost or stolen. The phone could be "deactivated" or "restricted" (through administration) from a remote location.

1. From the main **Settings** page, tap **More** tab **Security**.
2. Tap **Device administrators** to begin configuring this setting.
3. Select an administrator device and follow the prompts.

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 the main **Settings** page, tap **More** tab   **Security**.
2. Tap **Unknown sources** to active this feature.

Verify Apps

Allows you to block or warn yourself before installing apps that can cause harm.

1. From the main **Settings** page, tap **More** tab   **Security**.
2. Tap **Verify apps** to active this feature.

Note: Enabling this feature can prevent installation of some applications from the Play Store.

Change Security Level

Allows you to change the current security level so that threats that meet the selected criteria are blocked.

1. From the main **Settings** page, tap **More** tab   **Security**.
2. Tap **Change security level** and select an available option:
   - **High**: blocks all unauthenticated actions
   - **Normal**: blocks explicit threats.

Security Update Service

These options allow you to configure the way in which the device checks for changes in available security policies and the method used for the update.

1. From the main **Settings** page, tap **More** tab   **Security**.
2. Tap **Auto update security** to automatically check for changes to the security policy and then download any updates automatically in order to improve security and service.
3. Tap **Via Wi-Fi only** to only update the security policy automatically once the device is connected to an active Wi-Fi network.

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.

1. From the main **Settings** page, tap **More** tab   **Security**.
2. Tap **Storage type** to designate the backup storage location for certificates.
3. Tap **Trusted credentials** to display only trusted CA certificates. A check mark displayed next to the feature indicates secure credentials.
4. Tap **Install from device storage** to install encrypted certificates from the USB Storage location.
5. Tap **Clear credentials** to clear the device (SD card or phone memory) of all certificate contents and reset the credentials password.

Application Manager

This device can be used for Android development. You can write applications in the SDK and install them on this device, then run the applications using the hardware, system, and network. This feature allows you to configure the device for development.

Warning! Because the 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.

This menu allows you to manage installed applications. You can view and control currently running services, or use the device for application development.

You can also view the amount of memory or resources used as well as the remaining memory and resources for each of the applications on your phone and clear the data, cache, or defaults.

From the Home screen, press 🔲 and then tap **Settings** 🔳 (**More** tab) **Application manager** **ALL**.

Clearing Application Cache and Data

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

1. From the main **Settings** page, tap **More** tab **Application manager**.
2. Tap an application in which to clear the cache or data.
3. Tap **Force stop**, **Uninstall, Turn off, Clear data**, **Clear cache**, or **Clear defaults**.

Uninstalling Third-party Applications

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

1. From the main **Settings** page, tap **More** tab **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**.

Memory Usage

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

1. From the main **Settings** page, tap **More** tab **Applications manager**.
2. Tap **DOWNLOADED**, **SD CARD**, **RUNNING**, or **ALL** to display memory usage for that category of applications.

   The graph at the bottom of the Downloaded tab shows used and free device memory. The graph at the bottom of the Running tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From the main **Settings** page, tap **More** tab **Applications manager**.
2. Tap the **DOWNLOADED** tab 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, press ▤ and select **Sort by size** or **Sort by name**.

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

Running Services

The Running services option allows you to view and control currently running services such as Backup, Google Talk, SNS (messaging), Swype, and more.

1. From the main **Settings** page, tap **More** tab **Application manager**.

2. Tap the **RUNNING** tab to view all currently active and running applications. This tab also shows the total RAM being used by these currently active applications.

3. Tap a process and select **Stop** to end the process and stop it from running. When you stop the process the service or application will no longer run until you start the process or application again.

4. Tap **Show cached processes** to view additional cached applications.

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Important! Stopping a process might have undesirable consequences on the application.

Storage Used

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

1. From the main **Settings** page, tap **More** tab **Application manager**.

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

3. Press ▤ and then tap **Sort by size** to change the current list to show items based on the amount of storage they occupy.

Reset App Preferences

This feature provides you with the ability to reset all preferences for the following features: Disabled apps, Disabled app notifications, Default applications for actions, and Background data restrictions.

1. From the main **Settings** page, tap **More** tab **Applications manager**.

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

3. Press ▭ and then tap **Reset app preferences** → **Reset apps**.

Important! As an example, if you assigned your browser to always launch YouTube links and want that changed, you must reset the default actions.

Battery Usage

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 the Home screen, press ▭ and then tap **Settings** → 🔲 (**More** tab) → **Battery**. The battery level displays in percentage.

2. From the upper-right tap ⟳ (**Refresh**) to update the list.

   – or –

   Tap an entry to view more detailed information.

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

SD Card & Device Storage

From this menu you can view the memory allocation for the memory card as well as mount or unmount the SD card.

To view the memory allocation for your external SD card:

From the Home screen, press ▭ and then tap **Settings** → 🔲 (**More** tab) → **Storage**. The available memory displays under the Total space and SD card headings.

Important! DO NOT remove a microSD card while the device is accessing or transferring files. Doing so will result in loss or damage of data. Make sure your battery is fully charged before using the microSD card. Your data may become damaged or lost if the battery runs out while you are using the microSD card.

Mounting the SD Card

To store photos, music, videos, and other applications. You must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

1. From the main **Settings** page, tap **More** tab   **Storage**.
2. Tap **Mount SD card**.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the main **Settings** page, tap **More** tab   **Storage**.
2. Tap **Unmount SD card   OK**.
3. After the "**SD card will be unmounted**" message displays and the **Mount SD card** now appears in the menu list, remove the SD card.

Erasing Files from the SD card

To erase files from the SD card using the device:

1. Ensure the SD card is mounted.
2. From the main **Settings** page, tap **More** tab   **Storage**   **Mount SD card**.
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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Date and Time

This menu allows you to change the current time and date displayed.

1. From the Home screen, press [≡] and then tap **Settings** ▸ [More] (**More** tab) ▸ **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 **Set date** and use the arrow icons to set the **Month**, **Day**, and **Year** then tap **Set**.

4. Tap **Set time** and use the arrow icons, set **Hour**, and **Minute** and then tap **Set**.

5. Tap **Automatic time zone** to allow the network set the time zone information automatically.

6. Tap **Select time zone**, then tap a time zone.

7. Tap **Use 24-hour format**. If this is not selected the device automatically uses a 12-hour format.

8. Tap **Select date format** and select the date format type.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernel version, and software build number.

To access phone information:

From the Home screen, press [≡] and then tap **Settings** ▸ [More] (**More** tab) ▸ **About device**. The following information displays:

• **Software update**: allows you to connect to the network and upload any new phone software directly to your device. The device automatically updates with the latest available software when you access this option.

• **Status**: displays the battery status, the level of the battery (percentage), the Network connection, Signal strength, Mobile network type, Service state, Roaming status, Mobile network state, My phone number, IMEI number, IMEISV, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.

- **Legal information**: This option displays information about Open source licenses, License settings, as well as Google legal information. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference.

  Read the information and terms, then press ⤺ to return to the Settings menu.

Tip: To find your device's DivX® registration code and information about registering your device to play DivX protected video, tap **License settings** **DivX® VOD**.

- **Device name**: allows you to both display and edit the device's name.
- **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.

Note: Firmware, baseband, kernel and build numbers are usually used for updates to the handset or support. For additional information please contact your T-Mobile service representative.

- **SE for Android status**: displays the Android SE status.

Software Update

The Software Update feature enables you to use your device to connect to the network and upload any new software directly to your device. The device automatically updates with the latest available software when you access this option.

The following icons show your Bluetooth connection status at a glance:

 Displays when the Software updated feature is active.

 Displays when the Software update feature is in progress.

To update your device:

1. From the Home screen, press ▭ and then tap
   Settings ▣ₘₒᵣₑ (**More** tab) **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.

Section 11: Health and Safety Information

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

This section outlines the safety precautions associated with using your phone. The terms "mobile device" or "cell phone" are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

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 phone 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 phones 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 phones 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 phone 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 phone while operating can be well below the maximum reported value. This is because the phone 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 phone.

Before a new model phone 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 phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This mobile phone has a FCC ID number: A3LSGHT999L [Model Number: SGH-T999L] and the specific SAR levels for this mobile phone can be found at the following FCC website:http://www.fcc.gov/oet/ea/.

The SAR information for this device can also be found on Samsung's website: http://www.samsung.com/sar.

SAR information on this and other model phones 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 phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. 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.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving
On the Road - Off the Phone

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 talking on a mobile phone - 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 answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls 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 call if necessary;
- Do not take notes or look up phone numbers 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 text messaging, 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

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

• **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.

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

• **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.

• **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.

- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.

- **Never use any charger or battery that is damaged in any way**.

- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

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 phone caused by nonSamsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone 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 phones, 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.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:

http://pages.samsung.com/us/recyclingdirect/ usactivities_environment_samsungrecyclingdirect_locations. jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/ index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to

http://fun.samsungmobileusa.com/recycling/index.jsp and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone 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 & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

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

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.

Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

• Always tell the emergency responder your location to the best of your ability; and

• Remain on the mobile device for as long as the emergency responder instructs you.

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 Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.

2. From the Home screen, tap .

3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.

4. Tap .

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

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

Microwaves

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

Dust and dirt

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

Cleaning solutions

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

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as

portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.

- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before 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. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if 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.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not

be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a

hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.

M3 + M2 = 5

T3 + T2 = 5
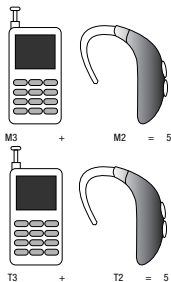
The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

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 make calls that increase your mobile device bill.

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

FCC Notice and Cautions

FCC Notice

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

Cautions

Any changes or modifications to your mobile device not expressly approved by Samsung could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.

- Ensure that any mobile devices or related equipment installed 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 cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.

- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 12: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets 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:

Device	1 Year
Battery(ies)*	1 Year
Case/Pouch/Holster*	90 Days
Other Device Accessories*	1 Year

*If applicable.

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

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 phone 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, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters 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. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone 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 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You 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 USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

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

Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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

With the "Automatic Update" function enabled (as in the default setting in the System Update menu in the Setting), your device downloads some Updates automatically from time to time. Your device will, however, ask for your consent before installing any Update If you choose to disable the "Automatic Update" function, then you can check the availability of new Updates by clicking on the "Check Update" menu in the Setting. We recommend that you check availability of any new Updates periodically for optimal use of your device. If you want to avoid any use of network data for the Update downloads, then you should choose the "Wi-Fi Only" option in the Setting. (Regardless of the option you choose, the "Automatic Update" function downloads Updates only through Wi-Fi connection.)

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

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

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

exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. This arbitration provision also applies to claims against Samsung's employees, representatives and affiliates if any such claim arises from the licensing or use of the Software. You may opt out of this dispute resolution procedure by providing notice to Samsung no later than 30 calendar days from the date of the first consumer purchaser's purchase of this device. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the device was purchased; (c) the device model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the device box; (ii) on the device information screen, which can be found under "Settings;" (iii) on a label on the back of the device beneath the battery, if the battery is removable; and (iv) on the outside of the device if the battery is not

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

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