

Scrapbook

Use this application to create your own digital scrapbook with content from webpages, videos and more.

- Touch  **Scrapbook**.

Creating Categories

- Touch  **Categories** → **Create category**, select a layout from the list, enter a name, and then touch **OK**.

Collecting Items

- While viewing webpages, or videos, with the S Pen button pressed, draw a line around an area to select it. Touch **Scrapbook** from the list of applications that appears at the bottom of the screen, and then select a category to add the selected area.
- Alternatively, press the S Pen button while hovering over the screen, touch **Scrap booker** on the general air commands, draw a line around an area, and then touch .

Viewing Items

- Select a category, and then select an item. While viewing an item, touch **Link** to go to the source it was collected from.

Screen Saver

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

1. Touch  **Screen Saver**.

The Galaxy Note 10.1 Screen Saver Settings screen displays.

2. Follow the on-screen instructions to set up Screen Saver.

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

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Settings

Configure your device to your preferences.

- Touch  **Settings**.

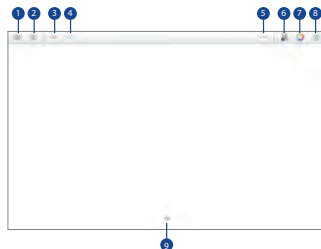
For more information, refer to “*Settings*” on page 116.

SketchBook for Galaxy

Use this application to create a quick concept or sketch out your idea for a project.

Note: The SketchBook app must be installed before you can use it. Touch OK on the pop-up and follow the on-screen instructions.

1. From a Home screen, touch  **Apps** →  **Galaxy Plus** folder →  **SketchBook for Galaxy**.
2. Use artistic tools to draw and paint your digital art. The image is saved in Gallery.



1. Create and save a sketchbook.
2. Display SketchBook information and settings.
3. Undo the last action.
4. Redo the last action.
5. Use SketchBook tools.
6. Change the brush types and settings.
7. Change a brush color.
8. Add or delete layers.
9. Register the frequently-used tools.

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Story Album

Use Story Album to create a digital album of your story in media.

- Touch  **Samsung** folder →  **Story Album**.

For more information, refer to “*Story Album*” on page 82.

TripAdvisor

Use this application to get travel information such as destination or hotel. You can also book for a room and share your reviews with others.

- Touch  **Galaxy Plus** folder →  **TripAdvisor**.

Twitter

Get real-time stories, pictures, videos, conversations, ideas, and inspiration all in your timeline. Follow people and your interests to get unfiltered access and unique behind-the-scenes perspectives. Express yourself with photos, videos and comments.

- Touch  **Twitter**.

Video

Use this application to play video files.

- Touch  **Video**.

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

Video Editor

Use this application to edit your videos.

- Touch  **Samsung** folder →  **Video Editor**.

Voice Search

Use this application to search webpages by speaking.

1. Touch  **Google** folder →  **Voice Search**.
2. Speak a keyword or phrase when **Speak now** appears on the screen.

WatchON

Enjoy all of your favorite movies and TV shows with WatchON.

- Before beginning your initial WatchON application setup, make sure that your TV is turned off.
- Sign into your Samsung account before using WatchON. For more information, refer to “*Your Samsung Account*” on page 47.

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Initial Configuration

1. From a Home screen, touch  **Apps** →  **WatchON**.
The Privacy policy displays.
2. Read the Privacy policy, check the **I have read and accept the terms of the above privacy policy** box, and touch **Confirm**.
The Set up WatchON screen displays.
3. Touch **Set up WatchON**.
4. Follow the on-screen instructions.

WatchON Menu

1. From a Home screen, touch  **Apps** →  **WatchON**.
2. Touch  **Menu** for the following options.
 - **Sign in**: Sign in to your Samsung account to improve your WatchON experience.
 - **Settings**: Configure Samsung WatchON settings. Follow the on-screen instructions.
 - **Help**: Displays Samsung WatchON help information and a Contact us telephone number.

World Clock

Use this application to check the time of many major cities in the world.

- Touch  **Samsung folder** →  **World Clock**.

Creating Clocks

- Touch , **Add city** and then enter a city name or select a city from the cities list or globe, and then touch  **Save**.
- To apply summer time, touch and hold a clock, and then touch **DST settings**.

Deleting Clocks

- Touch and hold the clock, and then touch  **Delete**.

YouTube

Use this application to watch videos from the YouTube website.

- Touch  **YouTube**.

For more information, refer to “YouTube” on page 82.

Section 9: Settings

About Settings

Use this application to configure the device, set application options, and add accounts.

To accessing Settings:

- From a Home screen, touch  **Apps** →  **Settings**.
– or –

From any screen, touch the top of the screen and swipe downward, to display the Quick Settings, and then touch  **Settings**. For more information, refer to “Notifications Panel” on page 36.

Settings Tabs

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

Connections

Control your device’s wireless connections.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks. Your device supports Wi-Fi 802.11 a/b/g/n/ac.

For more information about using your device’s Wi-Fi features, see “*Wi-Fi*” on page 83.

Wi-Fi Direct Settings

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection. for more information about using Wi-Fi Direct, see “*Wi-Fi Direct*” on page 86.

Bluetooth

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

For more information about using Bluetooth, see “*Bluetooth*” on page 87.

Airplane Mode

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

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

- Press and hold the **Power/Lock Key** then touch **Airplane mode**.

— or —

Touch the top of the screen and swipe downward, to display the Quick Settings, and then touch **Airplane mode**.

For more information, refer to “*Notifications*” on page 35.

— or —

Touch  **Settings** → **Connections** tab →

Airplane mode, touch the check box, and then touch **OK** to turn on Airplane mode.

Data Usage

View your Wi-Fi data usage.

1. From the **Settings** screen, touch **Connections** tab → **Data usage**.
2. Touch the **Data usage cycle** drop-down menu and select a date.

The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of data usage by application.

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

3. Touch  **Menu** for options:
 - **Auto sync data:** Automatically sync data. Disabling auto sync will reduce data usage and conserve battery power, but notifications and updates will need to be manually synchronized.
 - **Mobile hotspots:** Display all mobile hotspots near you.

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Location Services

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

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

1. From the **Settings** screen, touch **Connections** tab → **Location services**.
2. Touch **Access to my location** to allow apps that have asked your permission to use your location information.
3. Touch **Use GPS satellites** to enable the GPS satellite.
4. Touch **Use wireless networks** to enable location information using the wireless network.
5. Touch **My places** to save your favorite locations for use with services that require location information.

More Networks

This tab displays additional wireless and network information.

- From the **Settings** screen, touch **Connections** tab → **More networks**.
Options display for VPN.

VPN

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

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

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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, or IPSec Hybrid RSA.

Note: You must also set a screen unlock PIN or password before you can use credential storage. For more information, refer to “*Screen Security*” on page 124.

1. From the **Settings** screen, touch **Connections** tab → **More networks** → **VPN**.
2. Touch  **Add**.
3. In the form that appears, fill in the information provided by your network administrator.
4. Touch **Save** to save your VPN settings.

Connecting To a VPN

1. From the **Settings** screen, touch **Connections** tab → **More networks** → **VPN**.
2. Touch the VPN to which you want to connect.
3. In the pop-up that opens, enter any requested credentials.
4. Touch **Connect**.

Edit or Delete a VPN

1. From the **Settings** screen, touch **Connections** tab → **More networks** → **VPN**.
2. Touch and hold the VPN that you want to edit or delete.
3. In the pop-up that opens, touch:
 - **Edit network**, make the desired VPN setting changes, and touch **Save**.
 - or –
 - **Delete network** to delete the VPN.

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Nearby Devices

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

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

To configure this option:

1. From the **Settings** screen, touch **Connections** tab → **Nearby devices**.
2. Touch the **OFF/ON** button to turn Nearby devices ON . The device name displays under Device name. The default is the model number: Galaxy Tab S
3. In the Advanced section, set the following options:
 - **Shared contents:** Select the content to share. Choices are: Videos, Photos, and Music.
 - **Allowed devices list:** Indicate the devices accessible to your device.
 - **Not-allowed devices list:** Indicate the devices not accessible to your device.

- **Download to:** Set whether to download data to Device or SD card.
- **Upload from other devices:** If a nearby device attempts to upload data, this setting indicates the response. Options are: Always accept, Always ask, and Always reject.

Screen Mirroring

To share your device's screen with another device, enable Screen Mirroring.

1. From the **Settings** screen, touch **Connections** tab → **Screen Mirroring**. The Screen Mirroring screen displays. The **OFF/ON** button is set to ON . Available devices are listed.
2. Touch **Scan** to find more devices.
3. Touch  **Menu** → **Help** to for more information.

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Device

This section of the Settings screen contains settings for your device.

Sound

Volume

Set the volume level for all types of sounds.

1. From the **Settings** screen, touch **Device** tab → **Sound** → **Volume**.
2. Touch and drag the sliders to set the volume for:
 - **Music, video, games, and other media:** Sounds made by music apps, video apps, and more.
 - **Notifications:** Sounds for alerts to new messages and other events.
 - **System:** Application sounds and other sounds made by your device.

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

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

Vibration Intensity

Select how intense the vibration is for different options.

1. From the **Settings** screen, touch **Device** tab → **Sound** → **Vibration intensity**.
2. Touch and drag the sliders to adjust the vibration intensity for Notification and Haptic feedback.
3. Touch **OK** to save the setting.

Notifications

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

1. From the **Settings** screen, touch **Device** tab → **Sound** → **Default notification sound**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

System

You can activate or deactivate both touch and screen lock sounds.

1. From the **Settings** screen, touch **Device** tab → **Sound**.

2. Touch the check box next to any of the following options to activate the feature:
 - **Touch sounds:** Makes a sound when you touch the screen.
 - **Screen lock sound:** Makes a sound when your screen is locked or unlocked.
 - **Haptic feedback:** Vibrate when soft keys are tapped and for certain software actions.
 - **Pen attach/detach sound:** Set the sound that is made when the pen is attached or detached from your tablet.

Samsung Keyboard

Set the keyboard sounds.

1. From the **Settings** screen, touch **Device** tab → **Sound**.
2. Touch the check box next to either of the following options to activate the feature:
 - **Key-tap sound:** Enables auditory feedback when you touch an on-screen key.
 - **Key-tap vibration:** Enables the device to vibrate when you touch an on-screen key.

HDMI

To set the HDMI (High-Definition Multimedia Interface) audio setting:

1. From the **Settings** screen, touch **Device** tab → **Sound**.
2. Touch **Audio output**.
3. Touch **Stereo** or **Surround** to set the audio output setting.

More Settings

To find the best sound for you and use this while you play music:

1. From the **Settings** screen, touch **Device** tab → **Sound**.
2. Touch **Adapt Sound**.
3. Read the on-screen instructions.
4. Touch **Start** when you are ready to begin.

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Display

Use the Display settings to configure the way your device's screen operates.

- From the **Settings** screen, touch **Device** tab → **Display**.

The following options are available:

- **Brightness**: Touch and drag the slider to set the brightness or touch **Automatic brightness**. Touch **OK** to save the setting.
- **Screen timeout**: Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).
- **Touch key light duration**: Set the duration for the touch button backlight.
- **Screen mode**: Select a screen mode from the following:
 - **Adapt display**: Use this mode for optimizing the display according to the display settings.
 - **Dynamic**: Use this mode to make the display tone more vivid.
 - **Standard**: Use this mode for normal surroundings.
 - **Movie**: Use this mode for dim surroundings, such as in a dark room.

- **Reading mode**: Use Reading mode to optimize the screen for reading from selected applications. Touch the **OFF/ON** button to turn Reading mode ON .
- **Daydream**: Set the device to launch a screensaver when your device is connected to a desktop dock or charging. Touch the **OFF/ON** button to turn Daydream ON .
- **Show battery percentage**: Set the device to display the remaining battery life.
- **Edit after screen capture**: Set the device to edit a screenshot after capturing it.

Multi Window

Set the device to use Multi Window.

1. From the **Settings** screen, touch **Device** tab → **Multi window**.
2. Touch the **OFF/ON** button to turn Multi window ON .
3. Touch **Open in multi window view** to automatically view content in a multi window when you open files from My Files or Video, or attachments from email and messages.

For more information, refer to “Activating Multi Window” on page 33.

Lock Screen

Screen Security

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see “Securing Your Device” on page 14.

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

Note: Additional options are available based on the **Screen lock** setting.

Swipe Options

The options available when Screen lock is set to Swipe are:

- **Multiple widgets**: Display multiple widgets on your lock screen. Appears as an options after a lock mode is enabled.
- **Clock widget options**: Set the size of the Clock widget that is displayed on your home screens, and whether to show the date.
- **Shortcuts**: Set shortcuts to appear at the bottom of the Lock screen. Touch the **OFF/ON** button to turn it ON .
- **Personal message**: Edit the personal message and touch the **OFF/ON** button to turn it ON .
- **Owner Information**: Enable or disable whether to show owner information on the lock screen.
 - Touch **Owner information** and then touch **Show owner info on lock screen** to enable or disable the option.
 - Touch the text field and use the keyboard to enter the text to display on the lock screen.
- **Unlock effect**: Set the effect you receive when unlocking the phone. You can select None, Watercolor, or Ripple.

- **Ink effect:** This setting defaults to Blue.
- **Wake up in lock screen:** Unlock the screen using wake-up command when swipe or motion lock is enabled.
- **Action Memo on lock screen:** Set the device to launch action memo when you double-tap the locked screen with the S Pen button pressed.
- **Help text:** Show help information on the Lock screen.

Additional Pattern, PIN, and Password Options

These additional options are available when Screen lock is set to Pattern, PIN, or Password:

- **Make pattern visible:** See the pattern as you draw it.
- **Lock automatically:** Set how quickly to lock the screen after the screen automatically turns off.
- **Lock instantly with power key:** Use this option to enable the lock screen when the power key is pressed. If this option is not enabled, the screen dims or brightens when the power key is pressed.

Wallpaper

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

1. From the **Settings** screen, touch **Device** tab → **Wallpaper**.
2. Touch **Home screen**, **Lock screen**, or **Home and lock screens**.

The Select wallpaper from screen displays the following options: **Gallery**, **Live wallpapers**, and **Wallpapers**.

For more information, refer to “*Wallpapers*” on page 41.

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Font

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

1. From the **Settings** screen, touch **Device** tab → **Font**.
2. Touch **Font style** then touch a font or touch **Get fonts online** to browse and download a new font.
3. Touch **Font size** and select a font size.

Notification Panel

Customize the Notification panel.

1. Touch  **Settings** → **Device** tab → **Notification panel**.
2. Touch **Brightness adjustment** to adjust the screen brightness from the Notification panel.
3. To customize which quick setting buttons appear at the top of the notifications panel, touch and drag buttons to reorder them.

Accessibility

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

Note: You can download accessibility applications from Google Play and manage their use here.

- From the **Settings** screen, touch **Device** tab → **Accessibility**.

Configure the following settings:

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

Tip: From any screen, touch the top of the screen and swipe downward, to display the Quick Settings screen. Touch **Screen rotation** to enable or disable the auto-rotate feature. For more information, refer to “*Notifications Panel*” on page 36.

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- **Screen timeout:** Select the screen delay time the screen delays shutting off after inactivity for the selected period of time.
- **Lock Automatically:** This option only appears depending on the Screen lock setting. For more information, refer to “Screen Security” on page 124.
- **Speak passwords:** Speaks passwords to enter them.
- **Easy touch mode:** Enable this option to stop or snooze alarms, calendar events, and timer alerts, and to accept or reject incoming calls.
- **Show shortcut:** Set this option to display an Accessibility shortcut on the Device options pop-up when you press and hold the power key.
- **Manage accessibility:** Save and update your accessibility settings or share them with another device. You can export your settings, import a previously saved file, or share your file with another device.

Services

- **TalkBack:** Activate the TalkBack 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.

Vision

- **Font size:** Set the font size.
- **Magnification gestures:** Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
- **Negative colors:** Reverse the display of on-screen colors from White text on a Black background to Black text on a White background.

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- **Color adjustment:** Adjust the display colors, if you are color blind and have difficulty reading the display because of the colors. Touch **OFF/ON** button to turn it ON . Follow the on-screen instructions.
- **Notification reminder:** Play a beep when a notification for a call, message, and so on, has been missed. Touch **OFF/ON** button to turn it ON .
- **Accessibility shortcut:** Quickly enable accessibility features in two quick steps. Touch **OFF/ON** button to turn it ON . Follow the on-screen instructions.
- **Text-to-speech options:** To set voice output settings, touch **Text-to-speech options** and select the preferred TTS engine. For more information, refer to *“Speech”* on page 132. Touch **Speech rate** to set the speed at which the text is spoken. Touch **Listen to an example** to play a short speech demonstration.

Hearing

- **Sound balance:** Use the slider to set the Left and Right balance when using a stereo device.
- **Mono Audio:** When Mono audio is enabled, you can listen through one earphone to mono audio sound.
- **Turn off all sounds:** Turn off all sounds including receiver voice.
- **Flash notification:** Set your camera light to blink whenever you receive a notification.

Mobility

- **Assistant menu:** Improve the device accessibility for users with reduced dexterity. Touch **OFF/ON** button to turn it ON . Follow the on-screen instructions.
- **Press and hold delay:** Select a time interval for this action.

Recognition

- **Interaction control:** Enable or disable motions and screen timeout. You can also block areas of the screen from touch interaction. Touch **OFF/ON** button to turn it ON . Follow the on-screen instructions.

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Blocking Mode

When enabled, notifications for selected features are disabled.

1. From the **Settings** screen, touch **Device** tab → **Blocking mode**.
2. Touch the **OFF/ON** button to turn Blocking mode ON .
3. Touch **Turn off notifications** to enable this feature.
4. The **Set time** option allows you to set Blocking mode for a specific time range or **Always**.
Touch the **Always** field to disable it and configure the **From** and **To** time fields.

Note: When this option is enabled,  displays in the Status Bar.

Controls

Use these settings to configure Language and input, Voice control, S Pen, Motions, Palm motion, and Smart screen.

Language and Input

Language

Set the language used by your device.

1. From the **Settings** screen, touch **Controls** tab → **Language and input** → **Language**.
2. Touch a language / locale from the list.

Keyboards and Input Methods

Set the keyboard used by your device.

1. From the **Settings** screen, touch **Controls** tab → **Language and input**.
2. Touch **Default** and select a keyboard.
Samsung keyboard is the only selection available for this device.
3. Touch **Set up input methods**.

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Configuring the Samsung Keyboard

To configure the Samsung keyboard:

- Touch  next to Samsung keyboard to display the following options:
 - **Select input languages:** Used to set a default text entry language. Touch this field, scroll through the options, and touch the desired input language. When activated, a check appears in the box.
 - **Predictive text:** Enable or disable XT9 predictive text. When enabled the system suggests words matching your text entries, and, optionally, completes common words automatically. When XT9 is enabled, touch the **Predictive text** field to set the following options:
 - **Live word update:** Automatically update with popular new words every day.
 - **Personalized data:** Enter personalized data to improve prediction results.
 - **Learn from Facebook:** Log in to let your device learn your Facebook style.

- **Learn from Gmail:** Log in to let your device learn your Gmail style.
- **Learn from Twitter:** Log in to let your device learn your Twitter style.
- **Learn from Contacts:** Allow your device to learn your Contacts style.
- **Clear remote data:** Delete your anonymous data stored on the personalization server.
- **Clear personal data:** Remove all personalized data entered.
- **Auto replacement:** Complete or replace the word you are typing with the most probable word when you touch the space bar or a punctuation mark.
- **Auto capitalization** automatically capitalizes the first letter of the first word in each sentence (standard English style).
- **Auto spacing:** automatically inserts spaces between words.
- **Auto punctuate** automatically inserts a full stop in a sentence by touching the space bar twice when using the on-screen QWERTY keyboard.

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- **Keyboard swipe:** Select one of the following:
 - **None:** Enable or disable the keyboard swipe feature.
 - **SwiftKey Flow:** Enable or disable the SwiftKey Flow feature.
When enabled, you can enter text by sliding your finger across the keyboard.
 - **Cursor control:** Enable or disable the smart keyboard navigation feature to move the cursor by scrolling the keyboard.
- **Key-tap feedback:** Select one or more of the following:
 - **Sound:** Enable or disable auditory feedback when you touch an on-screen key.
 - **Vibration:** Enable or disable vibration when you touch an on-screen key.
 - **Character preview:** Provide an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
- **Pen detection:** Set the device to open the handwriting panel when the field is tapped with the S Pen.
- **Help:** Access help information for using the Samsung keyboard.
- **Reset settings:** Reset Samsung keyboard settings.

Google Voice Typing

1. Touch **Google voice typing** to automatically use Google voice typing.
2. Touch  next to Google voice typing.

The following options are available:

- **Choose input languages:** Touch **Automatic** to use the local language or select a language from the list.
- **Block offensive words:** Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.

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

- **Download offline speech recognition:** Enable voice input while offline. Touch the **All** tab to download speech recognition for other languages.

Handwriting Recognition

- Touch **Language** to select a language for handwriting search.

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Speech

Set the speech settings for Voice search.

1. From the **Settings** screen, touch **Controls** tab → **Language and input**.
2. Touch **Voice search** to configure:
 - **Language**: Choose a language for your voice input.
 - **Speech output**: Always provides audible readout of text, or only when using Hands-free functions.
 - **Block offensive words**: Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
 - **Hotword detection**: When enabled, saying the word Google launches voice search.
 - **Download offline speech recognition**: Enable voice input while offline. Touch the **All** tab to download speech recognition for other languages.
 - **Bluetooth headset**: Record audio through a Bluetooth headset, if available.

Voice output provides audible readout of text, for example, the contents of email messages.

1. From the **Settings** screen, touch **Controls** tab → **Language and input**.
2. Touch **Text-to-speech options** and select the preferred TTS engine.
3. Touch  next to the preferred TTS engine and configure.
4. Under General, configure the following:
 - **Speech rate**: Set the speed at which the text is spoken.
 - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).

Mouse/trackpad

This option sets your Pointer speed.

1. From the **Settings** screen, touch **Controls** tab → **Language and input**.
2. Touch **Pointer speed** then drag the slider to the right to go faster or to the left to go slower.
3. Touch **OK** to save your setting.

Voice Control

Set the device to recognize voice commands for controlling your device. You can select the features to control with voice commands.

1. From the **Settings** screen, touch **Controls** tab → **Voice Control**.
2. Touch the **OFF/ON** button to turn Voice Control ON .
3. Touch the items you want to control. Choose from Alarm, Camera, and Music.

S Pen

Change the settings for using the S Pen.

- From the **Settings** screen, touch **Controls** tab → **S Pen**. The following options display:
 - **Turn off pen detection:** Set the screen not to respond when inserting or removing the S Pen.
 - **Pointer:** Show the pointer when you hover the S Pen over the screen. Touch the **OFF/ON** button to turn this option ON .

- **Direct pen input:** Launch handwriting pad when hovering the S Pen over a text input field. Touch the **OFF/ON** button to turn this option ON .
- **Air view:** Show the S Pen pointer when the S Pen is hovering over the screen. Touch the **OFF/ON** button to turn this option ON . Touch Air view to select what will be shown when you hover your pen over an item on the screen: Information preview, Progress preview, Icon labels, and List scrolling.
- **Air command:** While hovering over an item with the S Pen, press the pen button to display a list of options for the item or general air commands. Touch the **OFF/ON** button to turn this option ON .
- **Sound and haptic feedback:** Set the device to make a sound and vibrate when pointing at items with the S Pen.
- **Pen detachment options:** Launch action memo or air command when the S Pen is pulled out of the slot.
- **Pen attach/detach sound:** Emit a sound when the S Pen is inserted into, or pulled out of, the slot.

Motions

Activate the motion recognition feature and change the settings that control motion recognition on your device.

- From the **Settings** screen, touch **Controls** tab → **Motions**.

Touch the **OFF/ON** button to turn each of the following options ON .

- **Zoom:** Zoom in or out while viewing images in Gallery or browsing webpages, when you tap and hold two points with your fingers and then tilt the device back and forth.
- **Move an icon:** Set the device to make a sound and vibrate when pointing at items with your finger.
- **Browse an image:** Set the device to scroll through an image by moving the device in any direction when the image is zoomed in.

Palm Motion

Activate the palm motion feature to control the device by touching the screen.

- From the **Settings** screen, touch **Controls** tab → **Palm motion**.

Touch the **OFF/ON** button to turn each of the following options ON .

- **Capture screen:** Set the device to capture an image of the screen when you sweep your hand to the left or right across the screen.
- **Mute/Pause:** Set the device to pause media playback when you touch the screen with your palm.

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Smart Screen

To set Smart screen options:

- From the **Settings** screen, touch **Controls** tab → **Smart screen**.

The following options display:

- **Smart stay**: Prevent the display backlight from turning off while you are looking at the display.
- **Smart rotation**: Set the interface not to rotate according to the orientation of your face.
- **Smart pause**: Pause video playback when you look away from the screen.

- **Smart scroll**: Touch the **OFF/ON** button to turn this option ON . The following options are available:
 - **Scroll by**: Select a method to scroll the screen up or down.
 - **Speed**: Adjust the speed for scrolling the screen.
 - **Visual Feedback display**: Display a signal icon when the device recognizes your action.

Note: This feature may not work properly in bright light, in dark conditions, or when the device is being moved or shaken.

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General

This tab provides the ability to create and modify your accounts. It also provides access to settings for Cloud accounts, the backup and reset features, date and time, Accessory, Application manager, Battery, Power saving mode, Storage, Security, Developer options, and About device.

Accounts

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

Your device provides the ability to synchronize information from a variety of accounts, including Email, Facebook, Google, and your Samsung account. Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

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

Managing Accounts

To view the accounts you have added:

1. From the **Settings** screen, touch **General** tab → *(account)*.

The *(account)* is either Google, Samsung account, or some other account you have added, such as Email.

Each of your accounts (Google, Samsung, and so on) are listed under Accounts.

2. Touch **Sync all** to synchronize all accounts listed. Touch **Cancel sync** to stop the synchronization.
3. Touch an account to view the sync settings for that account.
 - Touch **Sync now** to synchronize all data for the selected account.
— or —
Touch the account data to synchronize, such as, Calendar, Contacts, and so on.
 - To remove the account, touch **Remove account** and then touch **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

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4. For Google accounts, touch one of the items listed under Privacy to view various settings for that item.
– or –

For Samsung accounts, touch **Account settings** to manage Samsung account settings or **Backup** to set Samsung account back up and restore options.

– or –

For Email accounts, touch **Settings** to manage various settings for that account.

Adding an Account

To add a new account:

1. From the **Settings** screen, touch **General tab** → **Add account**.
2. Touch one of the account types.
3. Follow the prompts to enter your credentials and set up the account.

Tip: For more information about the types of accounts that you can add, see “Accounts” on page 46.

Sign in to Your Samsung Account

Several applications and options require that you create and sign in to a Samsung Account.

To sign in to your Samsung account:

1. From the **Settings** screen, touch **General tab** → **Add account**.
2. Touch  **Samsung account**.
3. Touch **variety of services** to display information about Samsung services that are available.
4. If you have no Samsung account, touch **Create new account**.

– or –

If you do have a Samsung account, touch **Sign in**.

The Samsung account screen displays.

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5. Use the keyboard to enter the required information and touch **Sign up** or **Sign in**.
-

Tip: The password is for your Samsung account, not the password you use for the email address you are entering. Plus, you can use only letters, numbers, !, @, \$, %, &, ^, and * for your Samsung account password.

6. If you are creating a new account, the Terms and Conditions screen displays. Read the Terms and conditions, Special terms, and Privacy policy and touch **I accept all the terms above**.

The Settings screen displays with Samsung account listed under Accounts.

Cloud

Back up your personal data using your Samsung Account or use Dropbox to sync your device content.

1. From the **Settings** screen, touch **General** tab → **Cloud**.
2. Under **Personal data management**:

If you have not signed in to your Samsung Account, touch **Add account**. For more information about Samsung accounts, see “*Sign in to Your Samsung Account*” on page 137.

If you have signed in to your Samsung Account:

- Touch your Samsung Account to manage your sync settings or remove your Samsung Account.
- Touch **Storage usage** to show the storage used and the remaining storage available.
- Touch **Sync settings** to sync your calendar, contacts, Internet, S Note, and Scrapbook settings with your Samsung Account.
- Touch **Backup** to manage your back up and restore options.
- Touch **Restore** to retrieve data from your Samsung account.

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3. Under **Content sync (with Dropbox)**:

If you have not signed in to your Dropbox account, touch **Link Dropbox account**. For more information, refer to “Dropbox” on page 96.

Backup and Reset

You can also back up your data to the Google server and reset your device to its factory defaults.

Backup and Restore

To enable or disable backup of your information to the Google server.

1. From the **Settings** screen, touch **General tab** → **Backup and reset**.
2. Touch **Back up my data** to enable or disable back up of application data, Wi-Fi passwords, and other settings to the Google server.

Once the **Back up my data** option is enabled, then the **Backup account** and the **Automatic restore** options are available.

3. Touch **Backup account** and touch your Google Gmail account or touch **Add account** to set your Google Gmail account to be backed up to the Google server.
4. Touch **Automatic restore** to enable automatic restoration of settings from the Google server. When enabled, backed-up settings are restored when you reinstall an application.

Factory Data Reset

Use Factory data reset to return your device to its factory defaults. This setting erases all data from the device, including Google or other email account settings, system and application data and settings, and downloaded applications, as well as your music, photos, videos, and other files. If you reset the tablet in this way, the next time you turn on your tablet you are prompted to reenter the same kind of information as when you first started Android.

1. From the **Settings** screen, touch **General tab** → **Backup and reset**.
2. Touch **Factory data reset**.

The Factory data reset screen displays reset information.

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3. Touch **Reset device**, then follow the prompts to perform the reset.

Date and Time

By default, your device receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date & time settings.

1. From the **Settings** screen, touch **General tab** → **Date and time**.
2. Configure the following settings:
 - **Set date**: Enter the current date (only available when the Automatic setting is disabled).
 - **Set time**: Enter the current time (only available when the Automatic setting is disabled).
 - **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).
 - **Use 24-hour format**: Set the format for time displays.
 - **Select date format**: Set the format for date displays.

Accessory

To change accessory settings:

- From the **Settings** screen, touch **General tab** → **Accessory**.
 - **Dock sound**: play a sound when your device is connected to or removed from a desktop dock.
 - **Audio output mode**: use the dock speaker when your device is connected to a desktop dock.
 - **Audio output**: Select a sound output format to use when connecting your device to HDMI devices. Some devices may not support the surround sound setting.
 - **Daynote**: show the quick note pad when the cover is flipped open.
 - **Unit**: Set unit options.

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Application Manager

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

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

Memory Usage

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

1. From the **Settings** screen, touch **General** tab → **Application manager**.
2. Touch **DOWNLOADED**, **SD CARD**, or **RUNNING** to display memory usage for that category of applications. The graph at the bottom of the **DOWNLOADED** tab shows used and free device memory. The graph at the bottom of the **RUNNING** tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From the **Settings** screen, touch **General** tab → **Application manager**.
2. Touch **DOWNLOADED** to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the **DOWNLOADED** tabs, touch  **Menu** → **Sort by size** or **Sort by name**.
4. To reset your application preferences, touch  **Menu** → **Reset app preferences**.
5. Touch an application to view and update information about the application, including memory usage, default settings, and permissions.

The following options are displayed:

- **Force stop:** Stops an app that is misbehaving. Restart your device if stopping an app, process, or service causes your device to stop working correctly.
- **Uninstall:** Deletes the application from the tablet.

For more information, refer to *“Installing Applications”* on page 103.

- **Move to SD card:** Move this app to your microSD card.
- **Clear data:** Clears application data from memory.
- **Clear cache:** If the app stores data in a temporary area of the device's memory, and the amount of information stored is displayed, touch this button to clearing the temporary storage.
- **Clear defaults:** If you have configured an app to launch certain file types by default, clear that setting.
- **Permissions:** Lists the kinds of information about your device and data to which the app has access.

Running Services

View and control services running on your device.

1. From the **Settings** screen, touch **General** tab → **Application manager**.
2. Touch the **RUNNING** tab.

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

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

The following options display:

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

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

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

Note: Options vary by application.

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Battery

See how much battery power is used for device activities.

1. From the **Settings** screen, touch **General** tab → **Battery**.
The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.
2. Touch **Screen**, **Android System**, or **Android OS** to view how the display and the Android system are affecting battery use.

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

3. Touch **Show battery percentage** to display the device battery status next to the battery icon.

Power Saving Mode

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

1. From the **Settings** screen, touch **General** tab → **Power saving mode**.
2. Touch the **OFF/ON** button to turn Power saving ON  or OFF .
3. Turn Power saving on and touch the Power saving mode settings (**CPU power saving**, **Screen power saving**, or **Turn off haptic feedback**) to enable or disable them.
4. Touch **Learn more about power saving** to display more information about saving power mode.

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Storage

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

Device Memory

- From the **Settings** screen, touch **General** tab → **Storage**.

The Device memory displays as Total space, System memory, Used space, Cached data, Miscellaneous files, and Available space.

SD Card

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

Mounting an SD Card

1. Install an SD card. For more information, refer to “*Installing a Memory Card*” on page 12.
2. From the **Settings** screen, touch **General** tab → **Storage**.
3. Touch **Mount SD card**.

Unmounting an SD Card

1. From the **Settings** screen, touch **General** tab → **Storage**.
2. Touch **Unmount SD card**.
3. At the prompt, select **OK** to safely unmount the memory card.
4. Remove the SD card from the slot. For more information, refer to “*Removing a Memory Card*” on page 13.

Note: Unmounting an SD card will stop some applications from functioning. Applications may not be available until you mount the SD card again.

Formatting an SD Card

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

1. From the **Settings** screen, touch **General** tab → **Storage**.
2. Touch **Format SD card** and then touch **Format SD card** again on the warning screen.
3. Touch **Delete all**.

Security

Use the Security settings to secure your device.

Encryption

To require a numeric PIN or password to decrypt your tablet each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Encrypt device**. For more information, read the displayed help screen.
3. Touch **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

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

Find My Mobile

Use this option to allow your device to be locked and tracked, and for your data to be deleted remotely. You must sign up for a Samsung account and enable Google location service to use Remote controls.

Sign In To Your Samsung Account

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Remote controls**. Read the information and touch **OK** to acknowledge the information.
3. Touch **Add account** to create a Samsung account. For more information about Samsung accounts, see “*Sign in to Your Samsung Account*” on page 137.

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Enable or Disable Remote Controls

Once you have signed in to your Samsung Account, you can enable or disable Remote controls.

1. From the **Settings** screen, touch **General** tab → **Security** → **Remote controls**.

2. Enter your Samsung account password in the pop-up **Enter password** field and touch **Done**.

The Introduction to remote controls screen displays.

Touch **Do not show for 90 days** to temporarily disable this screen.

3. Touch **OK**.

The Remote controls screen displays.

4. Touch the **OFF/ON** button in the upper right corner of the screen to turn Remote controls ON  or OFF .

5. Touch **Use wireless networks** to enable location information using the wireless network.

Find My Mobile Web Page

To launch the Find My Mobile web page:

1. From the **Settings** screen, touch **General** tab → **Security** → **Go to the find My mobile webpage**.

2. Select which application to launch the application. Touch **Internet** or **Chrome** and select **Always** or **Just once**.

The Find My Mobile webpage displays.

3. Follow on-screen instructions.

Passwords

When enabled, password characters display briefly as you touch them while entering passwords.

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Make passwords visible** to enable or disable brief displays of password characters.

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Device Administration

To add or remove device administrators:

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Device administrators**.

Enable or disable installation of non-Google Play applications.

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Unknown sources**.
An informational pop-up displays.
3. Read the message and touch **OK** to allow installation of non-Google Play applications.

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

4. To block or warn before installing apps that may cause harm, touch **Verify apps**.
5. Touch **Change security level** to modify the security level for credential files.

Security Update Service

To set security update service settings:

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Auto update security** to automatically check for changes to the security policy and download any updates to improve security.
3. Touch **Via Wi-Fi only** to only update security policy automatically when your device is connected to a Wi-Fi network.

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Credential Storage

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

1. From the **Settings** screen, touch **General** tab → **Security**.
2. Touch **Storage type** to set a storage type for credential contents.
3. Touch **Trusted credentials**.

The trusted credentials screen has two tabs:

- **System**: Displays CA certificates that are permanently installed in the ROM of your device.
- **User**: Displays any CA certificates that you installed, for example, in the process of installing a client certificate.

4. Touch a CA certificate to examine its details.

A scrolling screen displays the details.

Scroll to the bottom of the details screen and touch

Turn off to disable a System certificate.

Caution! When you disable a system CA certificate, the **Turn off** button changes to **Turn on**, so you can enable the certificate again, if necessary.

Touch **OK** to return to the certificate list.

5. Touch **Install from device storage**, then choose a certificate and follow the prompts to install encrypted certificates stored on the USB storage.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

6. Touch **Clear credentials** to erase the credential contents from the device and reset the password.

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

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About Device

View information about your device, including status, legal information, hardware and software versions, and battery use.

1. From the **Settings** screen, touch **General** tab → **About device**.

2. Touch items to view details:

- **Software update**: Connect to the network and download new software. For more information, refer to “*Software Update*” on page 149.
- **Status**: View Battery status, Battery level, IP address, Wi-Fi MAC address, Bluetooth address, Up time, and Device status.
- **Legal information**: Touch an option to display open source licenses, Google and Samsung legal information, and Privacy Alert.
- **Model number**: Display your device’s model number.
- **Android version**: Display the firmware version of your device.

- **Kernel version**: Display the kernel version of your device.
- **Build number**: Display your device’s build number.
- **SELinux status**: Display the status of SELinux. SELinux is a set of security policies and modules that is applied to the device to improve the overall security.

Software Update

The Software Update feature enables you to use your device to connect to the network and download any new software directly to your device. The device automatically updates with the latest available software when you access this option.

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Software Update Options

To register your device and check for a software update:

1. From the **Settings** screen, touch **General** tab → **About device** → **Software update**.
2. Touch **Update**.
Your device is connected to the server and a search is performed for a software update.
3. Touch **Auto update** to check for updates automatically.

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Section 10: 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 Galaxy Tab. The terms “GALAXY” or “mobile device” are used in this section to refer to your Galaxy Tab.

Read this information before using your mobile device.

Exposure to Radio Frequency (RF) Signals

Although GALAXY is not a cell phone, it can operate on the same network as cell phones and can use the same Radio Frequency (RF) signals to communicate with the network as a cell phone. Therefore, although the following information refers specifically to RF exposure from wireless phones, it may apply similarly to GALAXY when it is being used on a cell phone network.

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by

mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules.

Therefore, RF energy is a type of non-ionizing radiation.

Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at

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

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at

<http://www.ukcosmos.org/index.html>.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at

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

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

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at

<http://seer.cancer.gov/>.

Cell Phone Industry Actions

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

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

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

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

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

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

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

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

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>.

- Environmental Protection Agency (EPA):
<http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/>.
(Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>.
- World Health Organization (WHO):
<http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>.
- Health Protection Agency:
<http://www.hpa.org.uk/Topics/Radiation/>.
- US Food and Drug Administration:
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>.

Specific Absorption Rate (SAR) Certification Information

Your wireless mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless devices to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the mobile device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the mobile device while operating can be well below the maximum reported value. This is because the mobile device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the mobile device.

Before a new model mobile device is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model mobile device are performed in positions and locations (e.g. near the body) as required by the FCC.

For typical operations, this mobile device has been tested and meets FCC SAR guidelines.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

This [mobile phone/tablet/device] has a FCC ID number:

A3LSMT807T [SM-T807T] and the specific SAR levels for this [mobile phone/tablet/device] can be found at the following FCC website:

<http://www.fcc.gov/oet/ea/>.

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

<http://www.samsung.com/sar>.

SAR information on this and other model mobile devices can be accessed online on the FCC's website through <http://transition.fcc.gov/oet/rfsafety/sar.html>. To find information that pertains to a particular model mobile device, this site uses the mobile device FCC ID number, which is usually printed somewhere on the case of the mobile device.

Once you have the FCC ID number for a particular mobile device, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular mobile device. Additional SAR information can also be

obtained at

<http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones>.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be

determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Smart Practices While Driving

On the Road - Off the Tablet

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

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or using a mobile device - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes**

impaired. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

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

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

If you consider a chat necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your mobile device within easy reach;
- Chat when you are not moving;
- Plan chats when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the chat if necessary;
- Do not take notes or look up information while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as Web browsing or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to <http://www.ctia.org>.

Battery Use and Safety

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

- **Do not let the GALAXY or battery come in contact with liquids.** Liquids can get into the GALAXY's circuits, leading to corrosion. Even when the GALAXY appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the GALAXY and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source.** Excessive heating can damage the GALAXY or the battery and could cause the GALAXY or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your GALAXY in your car in high temperatures.
- **Do not dispose of the GALAXY or the battery in a fire.** The GALAXY or the battery may explode when overheated.
- **Avoid dropping the GALAXY.** Dropping the GALAXY, especially on a hard surface, can potentially cause damage to the GALAXY. If you suspect damage to the GALAXY or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your GALAXY.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the GALAXY caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible batteries and chargers.** Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible batteries and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

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

To find the nearest recycling location, go to: www.samsung.com/recyclingdirect or call 1-877-278-0799.

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this mobile device has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

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

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

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Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

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

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

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

GPS

GALAXY can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over

time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Communication

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

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits.

If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

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

Microwaves

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

Dust and Dirt

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

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft

cloth slightly dampened in a mild soap-and-water solution. 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 your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet:

<http://www.audiology.org/Pages/default.aspx>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:

<http://www.nidcd.nih.gov/>

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH

(1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:

<http://www.cdc.gov/niosh/topics/noise/default.html>

1-888-232-6348 TTY

Operating Environment

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

Using Your Mobile Device Near Other Electronic Devices

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

Implantable Medical Devices

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

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;

- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Vehicles using liquefied petroleum gas

(such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

When your Device is Wet

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

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or use services that increase your mobile device bill.

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

FCC Notice and Cautions

FCC Notice

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

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. Faulty service may be dangerous and may invalidate any warranty applicable to the device.

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- Ensure that any mobile devices or related equipment used in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of network services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.

- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

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Section 1: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's devices and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Tablet	1 Year
Batteries (Including Internal Batteries)	1 Year
Case	90 Days
Other Tablet Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of Product by Purchaser.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG Tablet for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, without charge to Purchaser, or at SAMSUNG's sole option, refund the purchase price.

SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period

equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. This Limited Warranty is extended to the Purchaser and is not transferable or assignable to any other person or entity.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, Purchaser must return the Product to an authorized Tablet service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-800-SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

Purchaser should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

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

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

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action.

The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The

arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are \$5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or \$50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees.

Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed \$5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable).

Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting

out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

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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includes computer software and may include associated media, printed materials, "online" or electronic documentation in connection with your use of this device ("Software").

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provided through Update, you must first be licensed for the Software identified by Samsung as eligible for the Update. After the Update, you may no longer use the Software that formed the basis for your Update eligibility. The updated Software version may add new functions and, in some limited cases, may delete existing functions.

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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where you are a resident. Notwithstanding the foregoing, Samsung may apply for injunctive remedies (or an equivalent type of urgent legal relief) in any jurisdiction.

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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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Social Hub

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- Social Hub Privacy Policy which governs our collection and use of personal information in connection with your access to and use of the Service.

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a third party where such misuse was made possible due to your failure to take reasonable measures to protect your username and password against misuse.

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Except where prohibited by applicable law or provided otherwise herein, the Terms shall be governed by the laws of the State of New York without regard to its conflict of law provisions.

You and Samsung agree to submit to the non-exclusive jurisdiction of the competent courts in the State of New York to resolve any legal matters arising from the Terms.

Notwithstanding this, you agree that Samsung shall still be allowed to apply for injunctive remedies (or equivalent type of urgent legal relief) in any jurisdiction.

Miscellaneous

The Terms (including all documents comprising the Terms) constitute the entire agreement between you and Samsung, and supersedes any prior agreement between you and Samsung, with respect to your use of the Service. Your use of any third-party content or service accessed via the Service will be governed by the terms and conditions furnished with, and applicable to that content or service. If any provision of the Terms is held invalid, illegal or unenforceable, that

portion of the Terms shall be construed in a manner consistent with applicable law to reflect, as nearly as possible, the original intentions of the parties, and the remaining portion of the Terms shall remain in full force and effect. Samsung's failure to enforce any right or provision of the Terms will not constitute a waiver of such provision, or any other provision of the Terms.

Samsung will not be liable or responsible for any failure to fulfill any of its obligations under the Terms which failure is due to any cause or condition beyond the reasonable control of Samsung. If there is any conflict between these Social Hub Terms and Conditions and the Social Hub Privacy Policy, the provisions of these Social Hub Terms and Conditions shall prevail. The provisions of the Terms that are intended to or by their nature should survive termination of your use of the Service shall remain valid after any such termination.

Social Hub Privacy Policy

Samsung Electronics Co., Ltd. ("Samsung") is committed to protecting the online privacy of visitors, users and customers to our Social Hub service. This privacy policy ("Privacy Policy") forms part of the Terms which govern your use of Social Hub(excluding any third party content and services), and (if applicable) the website where you accessed this

Privacy Policy, (collectively, the "Service"). The purpose of the Privacy Policy is to inform you about the types of information we gather about you when you access or use the Service, how we may use that information, and if and how we disclose it to third parties.

All users of the Service are required to provide true, current, complete and accurate personal information when prompted and we will reject and delete any entry that we believe in good faith to be incorrect, false, falsified, or fraudulent, or inconsistent with or in violation of the Privacy Policy.

We will provide you with an opportunity to give your consent in relation to your use of the Service. Separate from such consent, your access or use of the Service will be construed as your acceptance of the Privacy Policy and of our collection, use, disclosure, management and storage of your personal information as described below. We may, from time to time, transfer or merge any personal information collected off-line to our online databases or store off-line information in an electronic format. We may also combine personal information we collect online with information available from other sources, including information received from our affiliates, marketing companies, or advertisers. This Privacy Policy covers all such personal information and will remain in full force and effect as long as you are a user of the Service,

even if your use of or participation in any particular service, feature, function or promotional activity terminates, expires, ceases, is suspended or deactivated for any reason.

INFORMATION THAT WE COLLECT

Personal Information

We may request that you supply us with "personal" information, such as your name, e-mail address, mailing address, home or work telephone number in the course of you accessing or using the Service, such as via registration forms, surveys, and polls. In each such case, you will know what categories of information we collect because you will actively provide the information to us. You may not be able to fully utilize all of the features or components of the Service if you choose not to provide certain information. If you do choose to give us personal information through the Service, we will collect and retain that information.

Non-Personal Information

When you use the Service, we may also collect "non-personal" information. We consider "non-personal information" to be information that, by itself, cannot be used to identify or contact you personally, such as demographic information (your age, gender, income, education,

profession, zip code, etc.). Non-personal information may also include technical information, such as your IP address and other anonymous data involving your use of the Service.

Non-personal information may also include information that you provide us through your use of the Service, such as the terms you enter into the search functions of Social Hub, mail inbox and instant messenger. We reserve the right to use or disclose non-personal information in any way we see fit.

USE OF INFORMATION WE COLLECT

Our Services

We use your personal information to provide you with any services that you may request or require, to communicate with you and to allow you to participate in online surveys. We use aggregated non-personal information about our users to understand the demographics of users of the Service, such as the percentage of male and female users, the geographic distribution of our users, the age ranges of our users, a combination of these and/or other demographics. We may also use the personal or non-personal information we collect to analyze how Service is being used, and to improve the content of the Service, and for marketing and promotional efforts.

E-mail Communications

If you send us an e-mail with questions or comments, we may use your personal information to respond to your questions or comments, and we may save your questions or comments for future reference. Aside from our reply to such an e-mail, it is not our standard practice to send you e-mail unless you request a particular service that involves e-mail communications. However, you consent to us contacting you by e-mail, and sending you information about products and services which we believe may be of interest to you. You may have the opportunity to subscribe to an electronic newsletter in which case information about the Service or our advertisers will be sent to your e-mail address. We will provide you with the option to change your preferences and opt-out of receiving those communications. You may request at any time that we not e-mail you in future by clicking the "unsubscribe" link which is included at the bottom of any e-mail that you receive from us. If you unsubscribe, we will make reasonable efforts to discontinue e-mail communications to you as soon as practicable.

DISCLOSURE OF INFORMATION TO THIRD PARTIES

Aggregate Information

Except as specifically set forth in this Privacy Policy, we do not share your personal information with any third party without your permission. We may disclose aggregate information, such as demographic information, and our statistical analyses to third parties, including advertisers or other business partners. This aggregate information does not include your personal information.

Service Providers

We sometimes engage unaffiliated businesses to assist us in providing you certain services. For example, we may use third parties to provide advertising, marketing and promotional assistance, provide e-mail services, or facilitate our online services. In those instances, we may need to share your personal information with them.

We require these companies to use your personal information only to provide the particular product or service and do not authorize them to use your personal information for any other reason. We sometimes offer promotions in conjunction with a third party sponsor.

If you choose to participate in those promotions, we may share your information with the sponsor if they need it to send you a product or other special promotion they offer.

Third Party Advertisers

We may use third-party advertising companies to deliver specific advertisements to you. These companies may collect non-personal information about your visits to Social Hub in order to provide advertisements about products and services that may be of interest to you.

These companies may also aggregate your non-personal information for use in targeted advertising, marketing research, and other similar purposes. These companies may place their own cookies on your computer. If you want to prevent a third-party advertiser from collecting and using this information, you may visit each third party advertiser's website directly and opt-out.

Other Disclosures

We may disclose personal information when we are required or requested to do so by law, court order or other government or law enforcement authority or regulatory agency; to enforce or apply our rights and agreements; or when we believe in good faith that disclosing this information

is necessary or advisable, including, for example, to protect the rights, property, or safety of the Service and Samsung, our users, or others.

CHILDREN

The Service is not designed for use by children without their parent's supervision. We ask that anyone under the age of sixteen (16) not submit any personal information through the Service. We do not knowingly collect any personal information from children under the age of eighteen, and therefore we do not knowingly distribute such information to third parties.

SECURITY OF THE INFORMATION WE COLLECT

The security of your personal information is important to us. We maintain physical, electronic, and procedural safeguards to secure your personal information. However, there is always some risk in transmitting information electronically. The personal information we collect is stored within databases that we control.

As we deem appropriate, we use security measures consistent with industry standards, such as firewalls and encryption technology, to protect your information. However,

we cannot guarantee the security of our databases, nor can we guarantee that information you supply won't be intercepted while being transmitted to us over the Internet.

CHAT ROOMS AND OTHER PUBLIC AREAS

Our third party service and content providers may offer chat, user reviews, bulletin boards, or other public functions and any posting by you is considered public information available to other users. Any posting is governed in accordance with the third party service and content providers' terms and conditions. You should take care not to use personal information in your screen name or other information that might be publicly available to other users.

Archived Information

We maintain archives of web logs, database, and other systems and information in relation to the Service. Please note that it is possible some of this information may remain archived after we delete the information from its active database. We maintain archives for disaster recovery, legal and other non-marketing purposes.

How can I update my profile?

You can help us maintain the accuracy of your profile by notifying us when you change zip/postal code, country of residence, age range, or e-mail address. If at any time you wish to update your information or stop receiving communication from us, sign in to the Service and then select 'update your profile' to change your preferences.

CONTESTS AND SWEEPSTAKES

Registration may be required to enter promotions such as contests and sweepstakes on Social Hub. These registration or entry processes may require your submission of personal information such as your first and last name, street address, city, state and zip code, e-mail address, telephone number and date of birth. The entry page and/or rules for the promotion will provide the specific requirements for the promotion. You may also have the opportunity to opt-in to special offers from our advertisers in connection with these promotions.

ACCURACY OF THE INFORMATION WE COLLECT

Any questions you may have regarding this Privacy Policy, the accuracy of your personal information or the use of your personal information, or any requests that we correct,

update, or remove your information in our databases, should be directed via e-mail to s.dufresne@Samsung.com, or via regular mail to:

Samsung Telecommunications America, LLC
1301 E. Lookout Drive, Richardson, TX 75082
Attn: Customer Support Department

After receiving a request to change your information, we will make reasonable efforts to ensure that all of your personal information stored in databases we actively use to operate the Service will be updated, corrected, changed or deleted, as appropriate, as soon as reasonably practicable. However, we reserve the right to retain in our archival files any information we remove from or change in our active databases. We may retain such information to resolve disputes, troubleshoot problems and enforce our Terms.

In addition, it is not technologically possible to remove each and every record of the information you have provided to us.

A copy of your personal information may exist in a non-erasable form that will be difficult or impossible for us to locate.

CHANGES TO PRIVACY POLICY

This Privacy Policy is effective as of May 29, 2010 and complies with Samsung's Corporate Privacy Policy. We reserve the right to change this Privacy Policy at any time, and will post any such changes to this Privacy Policy on the Social Hub website. Please refer back to the Social Hub website on a regular basis to obtain the most up to date Privacy Policy.

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