

Tethering & portable hotspot

This option allows you to share your phone's mobile data connection via USB or as a portable Wi-Fi hotspot.

Mobile Hotspot

Note: To enable Mobile Hotspot on your phone, dial 611 or go to att.com/mywireless to set up the service.

1. From the Home screen, tap  → **Mobile Hotspot**



– or –

From the Home screen, tap  → **Settings** →



Connections → **More networks** → **Tethering and portable hotspots** → **Mobile Hotspot**.

2. Turn Mobile Hotspot on by tapping the slider so that it changes to the ON position .

The Mobile Hotspot icon  is displayed at the top of your screen.

3. Tap **Configure** at the bottom of the screen.
4. Enter or edit the Network SSID, Hide my device, Security setting, and Password.

5. Tap **Show password** and **Show advanced options** to see them displayed.

6. Tap **Save**.

7. Tap  for the following option:

- **Timeout settings:** allows you to set the time your device will be available as a portable Wi-Fi hotspot.

Connecting to Portable Wi-Fi hotspot from other devices

1. Activate Wi-Fi on the device that wants to connect to your phone.
2. Find **GALAXY_S4_XXXX** in the Wi-Fi network list and connect to it. XXXX are four randomly generated digits that will appear when you set up a Portable Wi-Fi hotspot on your device.

The connected device can now use internet through your Portable Wi-Fi hotspot.

Note: Activating Wi-Fi and connecting to your phone will be different depending on the type of the other device.

USB tethering

1. From the Home screen, tap  → **Settings** →  **Connections** → **More networks** → **Tethering and portable hotspot**.
2. Connect your phone to your PC using a USB cable.
3. Tap **USB tethering** to add a check mark and activate the feature. The USB tethering icon  is displayed at the top of your screen.

Help

- From the **Tethering and portable hotspot** menu, tap **Help** for additional information

VPN settings

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

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

Adding a Basic VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to “*Lock Screen Settings*” on page 119.
2. From the Home screen, tap  → **Settings** →  **Connections** → **More networks** → **VPN**.
3. Tap **Basic VPN**.
4. Tap  **(Add VPN network)**.
5. Enter a name for the VPN network in the **Name** field.

6. Select a VPN type from the **Type** drop-down menu. The options are:
 - PPTP (Point-to-Point Tunneling Protocol)
 - L2TP/IPSec PSK (Layer 2 Tunneling Protocol / Internet Protocol Security Pre-Shared Key)
 - L2TP/IPSec RSA
 - IPSec Xauth PSK
 - IPSec Xauth RSA
 - IPSec Hybrid RSA
7. Enter the Server address and any other required fields that are dependent upon the **Type** you entered previously.
8. Tap the **Show advanced options** check box to display additional VPN options.
9. Tap **Save** to save your VPN settings.

Adding an IPsec VPN

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to “*Lock Screen Settings*” on page 119.
2. From the Home screen, tap  → **Settings** →  **Connections** → **More networks** → **VPN**.
3. Tap **Advanced IPsec VPN**.
4. Tap **Add VPN connection**.
5. Enter a password, confirm the password, and tap **OK**.
6. Enter a name for the VPN connection in the **VPN connection name** field.
7. Select a IPsec type from the drop-down menu.
8. Enter any other required information.
9. Tap the **Show advanced options** check box to display additional VPN options.
10. Tap **Save** to save your VPN settings.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

To activate NFC, follow these steps:

1. From the Home screen, tap  → **Settings** →  **Connections** → **NFC**.
2. Tap the ON/OFF slider, located to the right of the NFC field, to turn NFC ON .

Android Beam

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

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

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music app, and more.

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

Nearby devices

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

1. Connect to a Wi-Fi network. For more information, refer to *“Activating Wi-Fi” on page 108*.
2. From the Home screen, tap  → **Settings** →  **Connections** → **Nearby devices**.
3. Tap the **File sharing** checkbox to create a check mark and activate File sharing.
4. Verify  (**Nearby devices**) appears at the top of the screen.
5. At the Nearby devices prompt, tap **OK**.
6. Tap **Shared contents**, then check the media you would like to share. Tap **OK**.
7. Tap **Allowed devices list**, then select the connected devices you would like to allow.
8. Tap **Not-allowed devices list**, then select the connected devices you would like to not allow.
9. Tap **Download to**, then select the destination of any downloaded (shared) content. Choose from Device or SD card.

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

Screen Mirroring

The Screen Mirroring feature allows you to share the media files on your device screen with an HDMI device such as an HDMI TV.

Note: This feature requires the optional AllShare Cast dongle which is available as an accessory. See your AT&T Customer Service Representative for more information.

1. From the Home screen, tap  → **Settings** →  **Connections** → **Screen Mirroring**.
2. Connect the AllShare Cast dongle to the HDMI device using an HDMI A-to-A cable.
3. Tap  → **Help** for information on using Screen Mirroring.

Kies via Wi-Fi

Kies via Wi-Fi allows you to sync your PC wirelessly with your device provided they are both on the same Wi-Fi network. You can view and share videos, photos, music, ringtones, and more.

1. From your PC, download the Samsung Kies application if you don't already have it. You can find it at samsung.com.
2. From your PC, launch the Samsung Kies application.
3. From your PC, connect to a Wi-Fi network.
4. From the Home screen, tap  → **Settings** →  **Connections** → **Kies via Wi-Fi**.
5. From your device, connect to the same Wi-Fi network that your PC is connected to if you have not already done so. For more information, refer to “*Connect to a Wi-Fi Network*” on page 166.

Lock Screen Settings

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see “*Locking and Unlocking the Touch Screen*” on page 12.

Screen Lock

1. From the Home screen, tap  → **Settings** →  **My device** → **Lock screen**.
2. Tap **Screen lock** for these options then follow the on-screen instructions to set up your Screen lock:
 - **Swipe**: Swipe the screen to unlock it.
 - **Face unlock**: Look at your phone to unlock it.
 - **Face and voice**: Look at your phone and speak to unlock.
 - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
 - **PIN**: Select a PIN to use for unlocking the screen.
 - **Password**: Create a password for unlocking the screen.
 - **None**: No pattern, PIN, or password is required. The screen will never lock.

Lock screen options

Activate or deactivates various Unlock screen functions.

Note: The Lock screen options will differ depending on what type of Screen Lock you have selected in step 2.

1. From the Home screen, tap  → **Settings** →  **My device** → **Lock screen**.
2. The following options are available depending on the Screen Lock type that you have selected:

Swipe options

- **Multiple widgets** allows you to display multiple widgets on your lock screen. Appears as an options after a lock mode is enabled.
- **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.
- **Shortcuts** sets shortcuts to appear at the bottom of the Lock screen. Touch and slide the slider to the right to turn it on .
- **Unlock effect** sets the effect you receive when unlocking the phone. You can select None, Ripple effect, or Light effect.
- **Help text** shows help information on the Lock screen.

- **Wake up in lock screen** requires that you say a command to wake-up your phone.
- **Set wake-up command** designates your wake-up commands. Tap Set wake-up command and follow the on-screen prompts to create a new verbal command.

Face unlock options

- **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.
- **Improve facial recognition** allows you to improve your device's face matching capability by capturing your face in different lighting, with or without glasses, and bearded or clean-shaven. Follow the on-screen instructions.
- **Presence check** requires that you blink when using the Face unlock feature. This will increase the security of the feature.
- **Secured lock time** allows you to set a time-out for lock screen.

Pattern options

- **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.
- **Make pattern visible** allows you to see the pattern as you draw it.
- **Secured lock time** allows you to set a time-out for lock screen.

PIN and Password options

- **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.
- **Secured lock time** allows you to set a time-out for lock screen.

Display Settings

In this menu, you can change various settings for the display.

- From the Home screen, tap  → **Settings** →  **My device** → **Display**.

The following options display:

- **Wallpaper:** allows you to set the Wallpaper for your Home screen, Lock screen, or both. For more information, refer to *“Changing the Wallpaper” on page 44.*
- **Notification panel:** allows you to set the brightness of your notification panel and also select the quick setting buttons that you want to display at the top of the notification panel. For more information, refer to *“Notification Bar” on page 46.*
- **Screen mode:** allows you to select from several different color modes.
- **Brightness:** configures the LCD Brightness levels. Tap Automatic brightness to allow the phone to self-adjust or drag the slider and tap OK.
- **Auto-rotate screen:** allows you to switch the display orientation automatically when you rotate the phone.

- **Screen timeout:** adjusts the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 3 minutes, 5 minutes, and 10 minutes.
- **Daydream:** allows you to control what your screen does when your device is docked or sleeping. Tap the OFF / ON icon next to Daydream to turn it on . Follow the on-screen instructions.
- **Font style:** allows you to set the font style that your phone will use. You can also tap Get fonts online to choose from a wider selection.
- **Font size:** allows you to select which size of font is displayed.
- **Touch key light duration:** allows you to adjust the delay before the Touch key light automatically turns off.
- **Display battery percentage:** allows you to see the battery charge percentage next to the battery charge icon at the top of the display.
- **Edit after screen capture:** allows you to go edit a screen immediately after taking a screen capture.
- **Auto adjust screen tone:** allows you to save power because the phone analyzes the displayed screen image and adjusts the LCD brightness.

Sound Settings

From this menu you can control the sounds on the phone.

- From the Home screen, tap  → **Settings** →



My device → **Sound**.

The following options display:

Volume

The Volume option allows you to change the volume for all phone sounds in one easy location.

1. From the Home screen, tap  → **Settings** →  **My device** → **Sound** → **Volume**.
2. Touch and drag the slider to adjust the sound volume for Media, Ringtone, Notifications, and System.
3. Tap **OK**.

Vibration intensity

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

1. From the Home screen, tap  → **Settings** →  **My device** → **Sound** → **Vibration intensity**.
2. Touch and drag the slider to adjust the Vibration intensity for Incoming call, Notification, and Haptic feedback.

Ringtones

This option allows you to set the ringtone.

1. From the Home screen, tap  → **Settings** →  **My device** → **Sound**.
2. Tap **Ringtones**.
3. Tap a ringtone and tap **OK**.
– or –
Tap **Add** to select a file from your music files.

Vibrations

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

1. From the Home screen, tap  → **Settings** →  **My device** → **Sound**.
2. Tap **Vibrations**.
3. Select a vibration pattern and tap **OK**.
– or –
Tap **Create** and follow the on-screen instructions to create your own vibration.

Default notification sound

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

1. From the Home screen, tap  → **Settings** →  **My device** → **Sound**.
2. Tap **Notifications**.
3. Tap a ringtone and tap **OK**.

Vibrate when ringing

This option allows you to enable your phone to vibrate whenever it rings.

1. From the Home screen, tap  → **Settings** →  **My device** → **Sound**.
2. Tap **Vibrate when ringing** to create a check mark and enable the feature.

System Tone Settings

The System tone settings are used when you use the dialing pad, make a screen selection, lock your screen, or tap the screen.

1. From the Home screen, tap  → **Settings** →  **My device** → **Sound**.
2. Tap any of the following options to create a check mark and activate the feature:
 - **Dialing keypad tone:** makes a sound when you tap a key on the keyboard.
 - **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:** makes a vibration when you tap soft keys and on certain UI interactions.

Adapt sound

The Adapt sound feature allows you to customize your call sounds.

1. From the Home screen, tap  → **Settings** →  **My device** → **Sound** → **Adapt sound**.
2. Read the instructions and tap **Start**.
3. Follow the on-screen instructions to set up your personal call sound.

Home screen mode

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

1. From the Home screen, tap  → **Settings** →  **My device** → **Home screen mode**.
2. Tap the pull-down dropbox and select one of the following options:
 - **Standard mode**: provides conventional layout for the apps and widgets on your home screens.
 - **Easy mode**: provides easier user experience for first-time smartphone users on the home screens.
3. Tap **Apply**.

Open Camera

Open Camera allows you to set the Camera app to launch when you turn on your phone.

1. From the Home screen, tap  → **Settings** →  **My device**.
2. Touch and slide the **Open Camera** slider to the right to turn it on .

Call Settings

To access the Call settings menu:

- From the Home screen, tap  → **Settings** →  **My device** → **Call**.
— or —
- From the Home screen, tap  →  → **Call settings**.

Call rejection

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Call rejection**.
2. Tap the **OFF / ON** icon to turn Auto reject mode on .
3. Tap **Auto reject mode** and tap one of the following options:
 - **Off**: to turn Auto reject mode off.
 - **All numbers**: to reject all calls.
 - **Auto reject numbers**: to reject all calls in your Reject list.
4. Tap **Auto reject list**.
5. Tap  to manually add numbers to the Reject list.
6. Tap **Unknown**, to create a check mark and automatically reject all calls that are not in your Contacts list.

Set rejection messages

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Set up call rejection messages**.
2. Tap  to manually add a reject message.
– or –
Tap one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message if desired.
3. Tap **Save** to save the reject message.

Answering/ending calls

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Answering/ending calls**.
2. The following options are available:
 - **The home key answers calls**: Tap this option to be able to accept incoming calls by pressing the Home key.
 - **Voice control**: Tap this option to be able to accept incoming calls by using your voice.
 - **The power key ends calls**: This option will allow you to end a call by pressing the power key without turning off the screen.

Turn off screen during calls

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

- From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Turn off screen during calls** to create a check mark and enable the feature.

Call alerts

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Call alerts**.
2. Tap the following options to create a check mark and activate the features:
 - **Answer vibration**: enables your phone to vibrate when the called party answers the phone.
 - **Call-end vibration**: enables your phone to vibrate when the call ends.
 - **Call connect tone**: plays a tone when a call is connected.
 - **Minute minder**: beeps twice every minute that you are on a call.
 - **Call end tone**: plays a tone when a call is ended.
 - **Alerts on calls**: turns on alarm and message notifications during a call.

Call Accessories

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

Additional settings

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Additional settings**.
2. Tap one of the following options:
 - **Caller ID**: allows you to choose how your Caller ID will be displayed. Select Network default, Hide number, or Show number.
 - **Call forwarding**: allows you to forward your calls to another number.
 - **Auto area code**: allows you to automatically prepend a specific area code to all outbound calls.
 - **Call waiting**: the network service informs you when someone is trying to reach you during another call. Tap to activate.
 - **Auto redial**: automatically redials the last number if the call was either cut off or was unable to connect. Tap to activate.
 - **Fixed dialing numbers**: allows you to restrict outgoing calls to a limited set of phone numbers.

Using Fixed Dialing Numbers

Enabling FDN

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Additional settings** → **Fixed dialing numbers**.
2. Tap **Turn on FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**. FDN is enabled.
4. To enable FDN after it has been disabled, tap **Disable FDN**, enter your PIN2 code and tap **OK**.

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

Changing the PIN2 Code

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Additional settings** → **Fixed dialing numbers**.
2. Tap **Change PIN2**.
3. At the prompt, enter your old PIN2 code.
4. At the prompt, enter a new PIN2 code.
5. Confirm your PIN2 code.

Managing the FDN List

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

Note: Before you can manage an FDN list a list must be created.

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Additional settings** → **Fixed dialing numbers**.
2. Tap **FDN list**.
3. A list of all existing FDN numbers will be displayed.

Ringtones and keypad tones

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Ringtones and keypad tones**.
2. Tap **Ringtones**, select a ringtone, and tap **OK**.
3. Tap **Vibrations**, select a vibration type, and tap **OK**.
4. Tap **Vibrate when ringing** to create a check mark if you want your phone to vibrate when a call is incoming.
5. Tap **Keypad tones** to create a check mark if you want tones to play when the keypad is pressed.

Personalize call sound

This option allows you to personalize the sounds you hear during a call with and without earphones.

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Personalize call sound**.
2. At the Personalize call sound display, tap one of the following options:
 - **In-call sound EQ**: allows you to select the sound equalization you want to use during calls.
 - **Adapt sound**: allows you to customize your sounds. Follow the on-screen instructions to set up your personal call sound.

Noise reduction

This option helps to suppress background noise from your side during a call.

- From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Noise reduction** to create a check mark and enable the feature.

Increase volume in pocket

This option increases the ringtone volume when the device is in a pocket or a bag. It uses the proximity sensor to detect its location.

- From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Increase volume in pocket** to create a check mark and enable the feature.

Voicemail service

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Voicemail Service**.
Voicemail service provided by your carrier is the default.
2. Tap **My carrier** to remove the carrier Voicemail service.

Voicemail settings

You can view or modify your voicemail number from this menu.

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Voicemail settings**.
2. Tap the **Voice mail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap **OK**.
3. Tap **OK**.

Sound

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **Sound**.
2. Tap a ringtone to hear it played.
3. Select a ringtone and tap **OK**.

Vibrate

This option allows you to select vibration settings.

1. From the Home screen, tap  → **Settings** →  **My device** → **Call**.
2. Tap **Vibrate** to create a check mark and activate the Vibrate feature.

TTY Mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

1. From the Home screen, tap  → **Settings** →  **My device** → **Call** → **TTY mode**.
2. Tap **TTY Full**, **TTY HCO**, or **TTY VCO**. A green check mark will appear. Tap **TTY Off** to turn it off.

Hearing aids

This option allows you to enable your phone's support for hearing aids, or disable it to save power.

1. From the Home screen, tap  → **Settings** →  **My device** → **Call**.
2. Tap **Hearing aids** to create a check mark and activate the Hearing aids support feature.

Blocking Mode

When Blocking mode is enabled, notifications for selected features will be disabled. You will only receive notifications of incoming calls from people on your allowed list.

1. From the Home screen, tap  → **Settings** →  **My device** → **Blocking mode**.
2. In a single motion touch and slide the **Blocking mode** slider to the right to turn it on  .
Confirm that the Blocking mode active icon  appears in the Status bar.
3. Place a green check mark adjacent to those features you would like to enable. Choose from: Block incoming calls, Turn off notifications, Turn off alarm and timer.
4. Configure a timeframe for these features to be active. Remove the check mark from the **Always** field to configure the **From** and **To** time fields.
5. Tap **Allowed contacts** to assign those contacts that are exempted from these rules. Choose from None, All contacts, Favorites, or Custom. Allowed contacts will then appear in the **Allowed contact list**.

Driving mode

Driving mode allows you to select whether your phone announces in plain language incoming calls and messages, alarm information, and/or schedule alarm information from your Calendar.

1. From the Home screen, tap  → **Settings** →  **My device** → **Driving mode**.
2. Tap the **OFF / ON** icon next to **Driving mode** to turn Driving mode on .
3. Tap the following options to create a check mark and enable these text-to-speech readings:
 - Tap **Incoming call** to read out caller information for incoming calls.
 - Tap **Message** to read out sender information for incoming messages.
 - Tap **Alarm** to read out alarm information.
 - Tap **Schedule** to read out Calendar event alarm information.

Power saving mode

Power saving mode allows you to manage your phone to conserve power.

1. From the Home screen, tap  → **Settings** →  **More** → **Power saving mode**.
2. Tap the **OFF / ON** icon next to **Power saving mode** to turn Power saving mode on .
3. Tap the following options to create a check mark and conserve power:
 - **CPU power saving**: allows you to limit the maximum performance of the CPU.
 - **Screen power saving**: allows you to lower the screen power level.
 - **Turn off haptic feedback**: allows you to turn off vibration when you tap or touch the screen.
 - **Auto enable**: allows you to automatically turn on Power saving mode when battery power drops below 20%.
4. Tap **Learn about Power saving mode** to learn about various ways to conserve battery power.

Accessory Settings

This menu allows you to select the Audio output mode when using a car or desk dock.

1. From the Home screen, tap  → **Settings** →  **My device** → **Accessory**.
2. Tap **Audio output** to set your Audio output to Stereo or Surround.

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 Play Store and manage their use here.

1. From the Home screen, tap  → **Settings** →  **My device** → **Accessibility**.
2. The following options are available:
 - **Auto-rotate screen**: automatically rotate the screen from landscape to portrait when you rotate your phone.
 - **Screen timeout**: timeout the accessibility feature after a defined amount of time.

- **Speak passwords:** reads out password information.
- **Answering/ending calls:** accept incoming calls by pressing the home key or end calls using the power key.
- **Show shortcut:** allow the accessibility shortcut under the device options to be used by pressing and holding 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.
- **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.

- **Font size:** change the size of the fonts used on the device within menus, options, etc. Choose from: Tiny, Small, Normal, Large, or Huge.
- **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.
- **Color adjustment:** allows you to adjust the display colors if you are color blind and have difficulty reading the display because of the colors. Touch and slide the slider to the right to turn it on . Follow the on-screen instructions.
- **Accessibility shortcut:** allows you to quickly enable accessibility features in 2 quick steps. Touch and slide the slider to the right to turn it on . Follow the on-screen instructions.
- **Text-to-speech options:** allows you to adjust your text-to-speech settings. For more information, refer to *“Speech Settings” on page 140.*

- **Enhance web accessibility:** allows apps to install scripts from Google that make their Web content more accessible. Tap Allow.
- **Sound balance:** allows you to use the slider to set the Left and Right balance when using a stereo device.
- **Mono audio:** allows you to enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.
- **Turn off all sounds:** allows you to mute every sound made by the device during taps, selections, notifications, etc.
- **Assistant menu:** allows you to improve the device accessibility for users with reduced dexterity. Touch and slide the slider to the right to turn it on . Follow the on-screen instructions.
- **Press and hold delay:** allows you to select a time interval for this action. Choose from: Short, Medium, or Long.
- **Interaction control:** allows you to enable or disable motions and screen timeout. You can also block areas of the screen from touch interaction. Touch and slide the slider to the right to turn it on . Follow the on-screen instructions.

Browser Bar

This option displays a menu that lets you configure the Browser Bar that can give you quick access to Facebook, Like, Tweet It, A-List, Share, Apps, Popular, News, Sports, Entertainment, Others, Settings, and Add More from one or more web browsers you select as Active. For more information, refer to “*Navigating with the Browser*” on page 158.

1. From the Home screen, tap  → **Settings** →  **My device** → **Browser Bar**. The Browser Bar **Settings** screen displays.
2. Tap **About** to display description and Browser Bar release and copyright information.
3. Tap the **OFF / ON** icon next to **Toolbar** to turn the Browser Bar on .
4. Tap **Active Browsers** to select which web browsers on your phone can use the Browser Bar.
5. Tap the **OFF / ON** icon next to **Autoshow** to on to set the Browser Bar to automatically display whenever you browse a new web page .
6. Tap **Manage Extensions** to rearrange and select which shortcuts appear on the Browser Bar.

7. Tap **Privacy Policy** to display the Browser Bar vendor's privacy policy.
8. Tap **Analytics** to enable or disable collection of Browser Bar analytical data.
9. Tap **Clear Cookies** to erase Browser Bar cookies, tokens, history, and cached information.

Language and input

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

Language

You can change the language used by your device by following these steps:

1. From the Home screen, tap  → **Settings** →  **My device** → **Language and input** → **Language**.
2. Tap a language from the list.

Keyboards and Input Methods

You can change the keyboard used by your device by following these steps:

1. From the Home screen, tap  → **Settings** →  **My device** → **Language and input**.
2. Ignore **Default**. The Samsung keyboard is the only one defined to your phone.
3. Tap the  icon next to the input method (Google voice typing or Samsung keyboard) that you would like to configure the settings for.
4. Based on your selection of input method, the appropriate settings will appear and are explained below.

Google voice typing settings

From this menu you can set Samsung keyboard options.

1. From the Home screen, tap  → **Settings** →  **My device** → **Language and input**.
2. Tap the  icon next to **Google voice typing**.
3. The following options are available:
 - **Choose input languages:** tap on a language that you want to input. Select Automatic to use the local language or select a language from the list.
 - **Block offensive words:** tap to create a check mark and enable the blocking of recognized offensive words from the results of your voice-input Google typing.
 - **Download offline speech recognition:** Enables voice input while offline.

Samsung Keyboard settings

From this menu you can set Samsung keyboard options.

1. From the Home screen, tap  → **Settings** →  **My device** → **Language and input**.
2. Tap the  icon next to **Samsung keyboard**.
 - **Portrait keyboard types** allows you to choose **Alphabets** and **Numbers and symbols** keyboard configurations (Qwerty [default] or 3x4 Keyboard).
 - **Input languages** sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.
 - **Predictive text** enables predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings. Touch and slide the slider to the right to turn it on . (For more information, refer to “Predictive Text Settings” on page 139.)
 - **SwiftKey Flow** allows you to type words by swiping between on-screen keys.
 - **Cursor control** allows you to move the cursor by sliding your finger across the keyboard.

- **Key-tap vibration** enables vibration feedback when you tap an on-screen key.
- **Key-tap sound** enables auditory feedback when you tap an on-screen key.
- **Advanced** displays the following advanced options:
 - **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 tapping the space bar twice when using the on-screen QWERTY keyboard.
 - **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
- **Tutorial** launches a brief on-screen tutorial covering the main concepts related to the Samsung keyboard.
- **Reset settings** resets the keyboard settings back to their original configuration.

Predictive Text Settings

From this menu you can set Predictive Text settings.

1. From the Home screen, tap  → **Settings** →



My device → **Language and input**.

2. Tap the  icon next to **Samsung keyboard**.
3. Tap the ON/OFF slider, located to the right of the Predictive text field, to turn it ON .
4. Tap **Predictive text**.
5. The following options are available:
 - **Personalized data**: allows you to use personal language that you have added to make your prediction results better.
 - **Learn from Facebook**: allows you to login to your Facebook account so your phone can learn your Facebook style.
 - **Learn from Gmail**: allows you to login to your Gmail account so your phone can learn your Gmail style.
 - **Learn from Twitter**: allows you to login to your Twitter account so your phone can learn your Twitter style.
 - **Learn from Messaging**: allows your device to learn from your Messages.
 - **Learn from Contacts**: allows your device to learn from your Contacts.

- **Clear remote data**: deletes anonymous data that is stored on the personalization server.
- **Clear personal data**: removes all personalized data that you have entered.
- **Privacy policy**: tap the privacy policy link to read the privacy policy. Follow the on-screen instructions.

Speech Settings

This menu allows you to set the speech settings for Voice input.

1. From the Home screen, tap  → **Settings** →



My device → **Language and input**.

2. Tap **Voice search** to configure the following:
 - **Language:** Choose a language for your voice input.
 - **Speech output:** Sets whether you will use speech output always or only when using hands-free.
 - **Block offensive words:** Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
 - **Hotword detection:** Enable to being able to launch voice search by saying the word “Google”.
 - **Download offline speech recognition:** Enables voice input while offline.
 - **Personalized recognition:** enables the improvement of speech recognition accuracy.
 - **Google Account dashboard:** allows you to manage your collected data.

- **Bluetooth headset:** allows you to record audio through a Bluetooth headset if available.

3. Tap **Text-to-speech options** and select **Samsung text-to-speech engine** or **Google Text-to-speech Engine**.

4. Tap  next to the preferred TTS engine configure the following settings:

- **Language:** allows you to set the language for spoken text.
 - **Settings for Samsung text-to-speech engine** allows you to view Open Source Licenses.
 - **Settings for Google Text-to-speech Engine:** allows you to view Open Source Licenses.
 - **Install voice data:** allows you to install voice data for speech synthesis.
5. Scroll down to the **General** section to access the following options:
 - **Speech rate:** Set the speed at which the text is spoken.
 - **Listen to an example:** Play a sample of speech synthesis (available if voice data is installed).

Pointer speed

This option sets your Pointer speed.

1. From the Home screen, tap  → **Settings** →  **My device** → **Language and input**.
2. Tap **Pointer speed** then drag the slider to the right to go faster or to the left to go slower.
3. Tap **OK** to save your setting.

Motions and Gestures

The Motions and Gestures settings allow you to set up various Motion activation services. For more information on using gestures, see *“Using Motions and Gestures”* on page 36.

- From the Home screen, tap  → **Settings** →  **My device** → **Motions and gestures**.

Motion

Motion allows you to control your device by performing natural movements.

1. From the Motions and gestures screen, tap **Motion**.
2. Tap the ON/OFF icon  at the top of your screen to activate Motion.
3. The following options are available:
 - **Direct call**: Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear. Tap the ON/OFF icon  to turn it on.
 - **Smart alert**: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages. Tap the ON/OFF icon  to turn it on.

- **Zoom:** Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the device back and forth to zoom in or out. Tap the ON/OFF icon  to turn it on.
 - **Move an icon:** Once enabled, move Home page shortcuts from one panel to another by pressing and holding the shortcut and moving the device left or right. Tap the ON/OFF icon  to turn it on.
 - **Browse an image:** Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally. Tap the ON/OFF icon  to turn it on.
 - **Mute/pause:** Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. Tap the ON/OFF icon  to turn it on.
4. Tap  → **Help** for additional information.

Gyroscope calibration

Gyroscope calibration allows you to calibrate motion correctly using the device's built-in gyroscope.

1. From the Motions and gestures screen, tap **Gyroscope calibration**.
2. Place your device on a flat surface.
3. Tap **Calibrate**.
4. When finished, **Calibrated** will appear on your screen. Tap  to return to the previous screen.

Smart screen

The Smart screen options allow you to customize your screen settings to make the screen more responsive and easier to use.

1. From the Home screen, tap  → **Settings** →  **My device** → **Smart screen**.
2. Tap any of the following options to create a check mark and activate the features:
 - **Smart stay**: disables the screen timeout if your phone detects that your face is watching the screen.
 - **Smart rotation**: disables the auto screen rotation by checking the orientation of your face and the device.

Voice control

The Voice control settings allow you to set up voice commands to control your device.

1. From the Home screen, tap  → **Settings** →  **My device** → **Voice control**.
2. Tap the ON/OFF icon  at the top of your screen to activate Voice control.
3. The following options are available. Tap an option to create a check mark and activate the feature.
 - **Incoming calls**: allows you to answer or reject calls using the commands **Answer** and **Reject**.
 - **Alarm**: allows you to stop or snooze an alarm by using the commands **Stop** and **Snooze**.
 - **Camera**: allows you to take pictures using the voice commands **Smile**, **Cheese**, **Capture**, or **Shoot**.
 - **Music**: allows you to control your Music app using the voice commands **Next**, **Previous**, **Pause**, **Play**, **Volume Up**, and **Volume Down**.

Note: If you set the alert type for calls or alarms to vibration, voice control will not be available.

Add Account

This menu allows you to set up, manage, and synchronize accounts, including your Google and email accounts.

Adding an Account

1. From a Home screen, tap  → **Settings** →



Accounts → **Add account**.

2. Tap one of the account types.
3. Use the keyboard and follow the prompts to enter your credentials and set up the account.

A green circle will appear next to the account type once you have created an account. Your new account will also be displayed in the **My accounts** section of the main **Accounts** menu.

Removing an Account

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

1. From a Home screen, tap  → **Settings** →



Accounts.

2. Tap the account type, which is located in the **My accounts** section.
3. Tap the account name.
4. At the bottom of the screen, tap **Remove account**, then tap **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Synchronizing Accounts

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

1. From a Home screen, tap  → **Settings** →  **Accounts**.
2. Tap the account type to be synchronized in the **My accounts** section.
3. Tap the account name to access the account Sync settings.
4. Tap **Sync now** to synchronize your account or only tap the Sync items that you want to synchronize.
5. Tap **Cancel sync** to stop the synchronization.
6. Tap **Settings / Account settings** to access your account settings.
7. Tap **Storage usage** (Samsung accounts) to see your storage usage for different applications.

Back up and reset

The Back up and reset settings allow you to back up your data, back up accounts, automatically restore your phone, and reset your phone settings to the factory settings.

Back Up My Data

By setting this option, the Google server will back up all of your settings and data.

1. From a Home screen, tap  → **Settings** →  **Accounts** → **Back up and reset**.
2. Tap **Back up my data** to enable or disable back up of application data, WI-Fi passwords, and other settings to the Google server.

Backup Account

If you have enabled the **Back up my data** option, then the **Backup account** option is available.

1. From a Home screen, tap  → **Settings** →  **Accounts** → **Back up and reset**.
2. Tap **Backup account**.
3. Tap your Google Gmail account to set your Google Gmail account to be backed up to the Google server.
– or –
Tap **Add account** to set another account to be backed up to the Google server.

Automatic Restore

By setting this option, when you reinstall an application, all of your backed up settings and data will be restored.

1. From a Home screen, tap  → **Settings** →  **Accounts** → **Back up and reset**.
2. Tap **Automatic restore** to enable or disable automatic restoration of settings from the Google server.

Factory Data Reset

From this menu you can reset your phone and sound settings to the factory default settings.

1. From a Home screen, tap  → **Settings** →  **Accounts** → **Back up and reset**.
2. Tap **Factory data reset**.

The Factory data reset screen displays reset information.

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

Warning! Performing a Factory data reset will erase all data from your phone and internal SD card, including your Google account, system and application data and settings, and downloaded applications. It will not erase current system software, bundled applications, and external SD card files such as music and photos.

Location services

The Location services settings allow you to set up how the phone will determine your location and the sensor settings for your phone.

1. From the Home screen, tap  → **Settings** →  **More** → **Location services**.
2. Tap any of the following options to create a check mark and activate the service:
 - **Access to my location:** allows apps that have asked your permission to use your location information.
 - **Use GPS satellites:** allows applications to use GPS to pinpoint your location.
 - **Use wireless networks:** allows applications to use data from mobile networks and Wi-Fi to help determine your location.
 - **My places:** allows you to add location information for your Home, Office, and Car.

Security

The Security settings allow you to determine the security level for your phone.

Encryption

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

1. From the Home screen, tap  → **Settings** →  **More** → **Security**.
2. You must first set up a screen lock type if you haven't already done so. For more information, refer to “Screen Lock” on page 119.
3. Tap **Encrypt device**. For more information, read the displayed help screen.
4. Tap **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

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

Set up/change password

Use this option to set up your password when one is first required or change your current password.

1. From the Home screen, tap  → **Settings** →  **More** → **Security** → **Set up/change password**.
2. Enter a new password and tap **Confirm**.
3. Enter the new password again and tap **Confirm**.

Set up SIM card lock

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

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the Home screen, tap  → **Settings** →  **More** → **Security** → **Set up SIM card lock**.
2. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

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

3. Tap **Change SIM PIN**.
4. Enter your old SIM PIN code and tap **OK**.
5. Enter your new SIM PIN code and tap **OK**.
6. Re-type your new SIM PIN code and tap **OK**.

Forgotten SIM PIN password

If you enter the wrong SIM PIN more than 3 times, you will need to contact your AT&T Customer Service Representative to get the PUK code for your device.

1. Each time you enter a wrong SIM PIN number the phone will display how many attempts you have remaining.
2. After the third incorrect attempt, the **Type PUK and new PIN code** screen displays and your SIM card is locked.
3. Enter the new PUK code that you received from your AT&T Customer Service Representative in the **PUK code** field.
4. Enter a new PIN code in the **New PIN code** field and tap **OK**.
5. Enter the new PIN code again in the **Confirm PIN code** field and tap **OK**.

Note: While your SIM PIN is locked, you will still be able to make Emergency calls if necessary.

Make passwords visible

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

1. From the Home screen, tap  → **Settings** →  **More** → **Security**.
2. Tap **Make passwords visible** to create a check mark and enable or disable the display of password characters.

Device Administrators

The Device Administration feature allows you to select one or more administration applications that control your device for security purposes (for example, if your phone is lost or stolen). These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Note: If a device uses multiple enabled administration applications, the strictest policy is enforced.

1. From the Home screen, tap  → **Settings** →  **More** → **Security** → **Device administrators**.
2. Select a device administrator and follow the prompts. If no device administrators are listed, you can download them from the Play Store.

Unknown sources

This feature allows you to download and install non-Market applications.

1. From the Home screen, tap  → **Settings** →  **More** → **Security**.
2. Tap **Unknown sources**.

A check mark is displayed to indicate it is active.

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

Verify apps

This feature allows you to either block or warn you before installing apps that may cause harm to your phone.

1. From the Home screen, tap  → **Settings** →  **More** → **Security**.
2. Tap **Verify apps**.

A check mark is displayed to indicate it is active.

Trusted Credentials

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

1. From the Home screen, tap  → **Settings** →  **More** → **Security**.

2. Tap **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.

3. Tap a CA certificate to examine its details.
A scrolling screen displays the details.

4. Scroll to the bottom of the details screen and tap **Turn off** to disable a System certificate, or **Remove** to remove a User 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. When you remove a user-installed CA certificate, it is permanently deleted and must be re-installed, if needed.

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

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

Install from device storage

Install encrypted certificates from an installed memory card.

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

1. From the Home screen, tap  → **Settings** →  **More** → **Security**.
2. Tap **Install from device storage**, then choose a certificate and follow the prompts to install.

Clear credentials

Clear stored credentials.

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

1. From the Home screen, tap  → **Settings** →  **More** → **Security**.
2. Tap **Clear credentials** to remove all certificates.

Application Manager

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

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

Memory Usage

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

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

The graph at the bottom of the DOWNLOADED tab shows used and free device memory. The graph at the bottom of the SD CARD tab shows used and free USB (memory card) storage. The graph at the bottom of the RUNNING tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From the Home screen, tap  → **Settings** →  **More** → **Application manager**.
2. Tap the **DOWNLOADED** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the Downloaded tabs, tap  → **Sort by size** or **Sort by name**.
4. To reset your application preferences, tap  → **Reset app preferences**.

Note: This will reset the preferences for disabled apps, disabled app notifications, default applications for actions, and background data restrictions for apps. You will not lose any app data.

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

SD Card Services

View and control services running on a microSD card installed in your device.

1. From the Home screen, tap  → **Settings** →  **More** → **Application manager**.
2. Tap the **SD CARD** tab. All the applications that are currently stored on the microSD card display.
3. Tap one of the applications to view application information.

The following options display:

- **Force stop:** Stops the application from running on the device. This is usually done prior to uninstalling or moving the application.
- **Uninstall:** Removes the application from the microSD card.
- **Move to device storage:** Move the application from the microSD card to device storage.
- **Clear data:** Erases application data from the microSD card.
- **Clear cache:** Erases data stored in cache memory.
- **Clear defaults:** When active, resets application settings to their default values.

Running Services

View and control services running on your device.

1. From the Home screen, tap  → **Settings** →  **More** → **Application manager**.
2. Tap the **RUNNING** tab. All the applications that are currently running on the device display.
3. Tap **Show cached processes** to display all the cached processes that are running. Tap **Show services in use** to switch back.
4. Tap one of the applications to view application information.

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.

Battery

See how much battery power is used for device activities.

1. From the Home screen, tap  → **Settings** →  **More** → **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. Tap **Screen, Android System, Android OS, Cell standby, Media server, Device idle**, or any other listed application to view how it is affecting battery use.

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

Storage

From this menu you can view the memory allocation for the memory card and USB as well as mount or unmount the SD card.

For more information about mounting or unmounting the SD card, see “*Memory Card*” on page 48.

To view the memory allocation for your external SD card:

- From the Home screen, tap  → **Settings** →  **More** → **Storage**. The available memory displays under the **Total space** and **Available space** headings for both Device memory and SD card.

SD card

- Tap **Unmount SD card** to unmount your SD card so that you can safely remove it, then tap **OK**.
– or –
- Tap **Format SD card** to format your SD card. This will delete all data on your SD card including music, videos, and photos.

Note: The **Format SD card** option is only available when your SD card is mounted.

Date and time

This menu allows you to change the current time and date displayed.

1. From the Home screen, tap  → **Settings** →  **More** → **Date and time**.
2. Tap **Automatic date and time** to allow the network to set the date and time.
3. Tap **Automatic time zone** to allow the network to set the time zone.

Important! Deactivate **Automatic date and time** to manually set the rest of the options.

4. Tap **Set date** and tap the up and down arrows to set the **Month**, **Day**, and **Year** then tap **Set**.
5. Tap **Set time** and tap the up and down arrows to set the **Hour**, **Minute**, and **PM/AM**, then tap **Set**.
6. Tap **Select time zone**, then tap a time zone.
7. Optional: Tap **Use 24-hour format**. If this is not selected the phone automatically uses a 12-hour format.
8. Tap **Select date format** and tap the date format type.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernel version, and software build number.

To access phone information:

1. From the Home screen, tap  → **Settings** →



More → **About device**.

2. The following information displays:

- **Software update:** allows you to update your phone software, if available. For more information, refer to *“Software Update” on page 157*.
- **Status:** displays the Battery status, Battery level (percentage), Network, Signal strength, Mobile network type, Service state, Roaming, Mobile network state, My phone number (the phone number for this device), IMEI number, IMEISV number, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.

- **Legal information:** This option displays information about Open source licenses as well as Google legal information. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference. Read the information and terms, then tap  to return to the Settings menu.

- **Label:** displays device certification logos.
- **Device name:** displays the phone's model name.
- **Model number:** displays the phone's model number.
- **Android version:** displays the android version loaded on this handset.
- **Baseband version:** displays the baseband version loaded on this handset.
- **Kernel version:** displays the kernel version loaded on this handset.
- **Build number:** displays the software, build number.

Note: Baseband, kernal and build numbers are usually used for updates to the handset or support. For additional information please contact your AT&T service representative.

Software Update

The AT&T Software Update feature enables you to use your phone to connect to the network and upload any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the Home screen, tap  → **Settings** →  **More** → **About device** → **Software update**.
2. Tap **Check for updates**.
3. At the **AT&T Software update** prompt, tap **OK** to continue.
4. The phone automatically updates the software (if available), otherwise, when the **Current software is up to date** prompt is displayed, tap **OK**.

5. When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, tap **Continue update**.

Section 9: Connections

This section describes the various connections your phone can make including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Browser

The Browser is your access to the mobile web. This section explains how to navigate the Browser and introduces you to the basic features.

Accessing the Browser

To access the Browser:

- From the Home screen, tap **Browser** .

The AT&T/YAHOO! mobile homepage displays.

Navigating with the Browser

1. To select an item, tap an entry.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.
4. To access the Browser bar at the bottom of the screen, tap  and drag upward. Tap anywhere on the screen to hide it. The Browser bar gives you quick access to Facebook, Like, Tweet It, A-List, Share, Apps, Popular, News, Sports, Entertainment, Others, Settings, and Add More. For more information, refer to “*Browser Bar*” on page 135.
5. To return to a previous page, tap .
6. To move forward to a web page, tap .

Zooming in and out of the Browser

There are several ways to Zoom in and out on your browser while in desktop view. After tapping on a link or article, use one of these methods:

- **Tilting:** Tap and hold the screen at two points then tilt the device back and forth to reduce or enlarge the screen. You must first enable motion in the Settings section. For more information, refer to *“Motions and Gestures”* on page 141.
- **Double tap:** Quickly tap the screen twice on the web page to zoom in or out.
- **Pinching:** Sweep in opposite directions at the same time to zoom in or out (use a pinching-in or pinching-out motion).

Browser Options

1. From the home page, tap  to access the following options:
 - **Homepage:** displays the home web page.
 - **New window:** displays a new window so you can browse multiple URLs. For more information, refer to *“Adding and Deleting Windows”* on page 160.
 - **Add bookmark:** allows you to add a URL to your bookmark list

- **Add shortcut:** allows you to add a shortcut to your Home screen.
- **Save page:** allows you to store the current page in memory so that it can be read later even if you loose your Internet connection. It is saved in your Saved pages folder.
- **Share via:** allows you to share the page using Bluetooth, ChatON, Email, Flipboard, Gmail, Google, Google+, Hangouts, Messaging, S Memo, or Wi-Fi Direct.
- **Find on page:** allows you to search in the current page.
- **Incognito mode:** pages viewed in incognito mode won't appear within your browser history or search history, and no traces (such as cookies) are left on your device. For more information, refer to *“Going Incognito”* on page 161.
- **Saved pages:** contains web pages you have saved using the Save page option.
- **History:** displays your browsing history.
- **Desktop view:** allows you to assign the browser to display the current page in the desktop view (to closely mimic the display as it would appear on a desktop computer).
- **Brightness:** allows you to set the screen brightness.

- **Print:** allows you to print the screen or web page on a Samsung printer using Wi-Fi or Wi-Fi Direct.
- **Settings:** allows you to modify your web settings. For more information, refer to “*Browser Settings*” on page 164.

Enter a URL

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

To enter a URL and go to a particular website, follow these steps:

1. Tap the **URL** field at the top of your screen.
2. Enter the URL using the on-screen keypad.

The website displays.

Search the Internet

To perform an internet search using keywords, follow these steps:

1. Tap the Search bar at the top of the browser.
2. Enter the keyword(s) to search using the on-screen keypad and tap .
3. Tap a link to view the website.

Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window, follow these steps:

1. From your browser, tap  → **New window**.

A new browser window is opened.

2. Tap  (**Windows**) to see thumbnails of all open windows.
3. Tap a window listing to open up that Internet window.
4. Tap  at the top right corner of the web page thumbnail to delete the window.

Going Incognito

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

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

To add a new incognito window:

1. From your browser, tap  → **Incognito mode**.
2. At the information prompt, tap **OK**.
3. A new browser window displays.

To exit from the incognito window:

1. From your browser window, tap  (**Windows**).
2. Scroll across the available windows and locate the incognito window. The incognito icon  appears in the upper-left of the new browser window while you are in this mode.
3. Tap  next to the incognito listing to delete this window.

Using Bookmarks

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

1. From the Home webpage, tap  (**Bookmarks**).
The Bookmarks page is displayed.
2. Tap  to display the following options:
 - **List/Thumbnail view:** Select **Thumbnail view** (default) to view a thumbnail of the webpage with the name listed, or select **List view** to view a list of the bookmarks with Name and URL listed.
 - **Create folder:** Creates a new folder in which to store new bookmarks.
 - **Delete:** Erases selected bookmarks.
 - **Change order:** Rearranges the current bookmarks.
 - **Move to folder:** Selected bookmarks are moved to a selected folder.

3. Tap a bookmark to view the webpage, or touch and hold a bookmark for the following options:
 - **Open in new window:** Opens the webpage in a new window.
 - **Edit bookmark:** Allows you to edit the name or URL of the bookmark. For more information, refer to “*Editing Bookmarks*” on page 162.
 - **Add shortcut:** Adds a shortcut to the bookmarked webpage to your phone’s Home screen.
 - **Share link:** Allows you to share a URL address using many different options.
 - **Delete bookmark:** Allows you to delete a bookmark. For more information, refer to “*Deleting Bookmarks*” on page 162.
 - **Set as homepage:** Sets the bookmark to your new homepage.

Adding Bookmarks

1. From any webpage, tap  → .
2. Use the on-screen keypad to enter the Name, Address, and Location.
3. Tap **Save**.
4. **Saved to bookmarks** will appear at the bottom of the page.

Editing Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to edit.
2. Tap **Edit bookmark**.
3. Use the on-screen keypad to edit the Name, Address, and Location.
4. Tap **Save**.

Deleting Bookmarks

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

Emptying the Cookies

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

1. From the Home webpage, tap  → **Settings** → **Privacy** → **Delete personal data**.
2. Tap **Cookies and site data** to create a check mark.
3. Tap **Done**.

Using your History

The History list provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.

1. From the Home webpage, tap  → **History**.
A list of your most recently visited websites is displayed with Name and URL address.
2. Tap on a category such as **Today**, **Last 7 days**, or **Most visited**.
3. Tap any entry to display the webpage.
4. Tap  → **Clear history** to delete the History list.

Saving Pages

You can save a page for future viewing without making it a bookmark.

1. From the Home webpage, tap  → **Save page**.
Page saved in Saved pages is displayed.
2. The web page is saved.

Saved Pages

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

1. From the Home webpage, tap  → **Saved pages**.

A list of your saved webpages is displayed with their Name. The webpages that have been visited the most will appear at the top.

2. Tap any entry to display the webpage.

Browser Settings

To make adjustments in your browser settings, follow these steps:

1. From the Home webpage, tap →  → **Settings**.
2. The following options are available:

Basics:

- **Set homepage:** Sets the current home page for the Web browser.
- **Auto fill forms:** allows you to enter text to be used in your web profile. Tap Add profile, then enter text for the Web form auto fill.

Privacy:

- **Search and Web address suggestions:** displays predictions of related queries and popular websites in the address bar as you type.
- **Preload available links before opening:** allows you improve performance when loading pages.
- **Remember form data:** Allows the device to store data from any previously filled out forms. Remove the check mark to disable this function.
- **Remember passwords:** Stores usernames and passwords for visited sites. Remove the check mark to disable this function.
- **Delete personal data:** allows you to delete all personal data such as Browsing history, Cache, Cookies and site data, Passwords, Auto-fill data, and Location access.

Accessibility:

- **Text scaling:** allows you to preview the text size, scale the text size using a slider bar, set the zoom amount on double tap, and minimize the font size using a slider bar.
- **Force zoom:** allows you to override the website's request to control zoom.
- **Text encoding:** adjusts the current text encoding.
- **Fullscreen:** allows you to use Fullscreen mode to hide the status bar.
- **Text booster:** allows you to view PC websites easily by boosting the text size.

Note: The layout may change as a result.

Content settings:

- **Accept cookies:** Allows sites, that require cookies, to save and read cookies from your device.
- **Turn on location:** Allows websites to request access to your location.

- **Turn on JavaScript:** Enables Javascript for the current Web page. Without this feature, some pages may not display properly. Remove the check mark to disable this function.
- **Block pop-ups:** Prevents popup advertisement or windows from appearing on-screen. Remove the check mark to disable this function.
- **Default storage:** Allows you to set your default storage to Device or Memory Card.
- **Website settings:** View advanced settings for individual websites.
- **Turn on notifications:** Allows website notifications. Select Always on, On demand, or Off.
- **Clear notifications:** Deletes website notification access information.
- **Reset settings:** Restores all settings to default.

Bandwidth management:

- **Preload webpages:** Allows the browser to preload pages in the background. You can set to Always, Only on Wi-Fi, and Never.
- **Load images:** Allows web page images to be loaded along with the other text components of a loaded website.
- **Open pages in overview:** Displays an overview of newly opened web pages.

Wi-Fi

About Wi-Fi

Wi-Fi (short for "wireless fidelity" and sometimes referred to as wifi) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Turning Wi-Fi On

By default, your device's Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap  → **Settings** →  **Connections** → **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .

Connect to a Wi-Fi Network

1. From the Home screen, tap  → **Settings** →  **Connections** → **Wi-Fi**.

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

2. Tap the network you want to connect to.

Note: When you select an open network, you will be automatically connected to the network.

3. Enter a wireless password if necessary.

Manually add your new network connection

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

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

Turning Wi-Fi Off

1. From the Home screen, tap  → **Settings** →  **Connections** → **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi OFF .

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Manually Scan for a Wi-Fi Network

1. From the Home screen, tap  → **Settings** →  **Connections** → **Wi-Fi**.
2. Tap **Scan**.
All available Wi-Fi networks are displayed.

Wi-Fi Status Indicators

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



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



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



Displays when connected to another device using Wi-Fi Direct. For more information, refer to “*Wi-Fi Direct*” on page 169.

Wi-Fi Advanced Settings

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

1. From the Home screen, tap  → **Settings** →  **Connections** → **Wi-Fi**.
2. Tap  → **Advanced**.

The following options are available:

- **Network notification:** alerts you when a new WAP is available.
- **Keep Wi-Fi on during sleep:** allows you to specify when to disconnect from Wi-Fi.
- **Check for Internet service:** Checks if Wi-Fi internet service is available when connected to an AP (Access Point).
- **Auto connect:** allows you to be automatically connected to an AT&T Wi-Fi Hotspot as soon as your phone detects it.
- **MAC address:** view your device's MAC address, required when connecting to some secured networks (not configurable).
- **IP address:** view your device's IP address.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

Note: See your service plan for applicable charges for Wi-Fi Direct.

1. From the Home screen, tap  → **Settings** →  **Connections** → **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .
3. At the bottom of the Wi-Fi screen, tap the **Wi-Fi Direct** button.
4. Repeat **steps 1 - 3** on the other device you want to connect with. The steps on a different model of phone, may be different.
5. On your phone, tap **Scan**.
The device scans for other Wi-Fi Direct devices.
6. Once the device you want to connect to is displayed, tap on it.
7. The other device has 2 minutes to tap **Accept** for the connection to be made.
8. Once connected, the other device will show as **Connected** in your list of Wi-Fi Direct devices and the  icon will display at the top of your screen.
9. For additional information about Wi-Fi Direct, tap  → **Help**.

Sharing Information with Connected Device

To share Videos, Photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or **My Files** folder, then tap the **Share**, **Share via**, or **Send via** option.
2. Tap the **Wi-Fi Direct** option.
3. Tap the connected device name. For example, Android_49ba.
4. Tap **Done**.
5. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found in **My Files** → **All files** → **Device storage** in the **ShareViaWifi** folder.

Note: Depending on the other device model, the prompts and shared folder information may differ.

AT&T Smart Wi-Fi

With AT&T Smart Wi-Fi, you can maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use.

1. From the Home screen, tap  → **AT&T Smart Wi-Fi** .
2. The first time you access AT&T Smart Wi-Fi, you will need to install it. Tap **OK** at the prompt.
3. Sign on to your Google account if you have not already done so.
4. The Play Store displays the **AT&T Smart Wi-Fi** application. Tap **Update**.
5. Tap **Accept & download**.
6. Follow the on-screen instructions to use AT&T Wi-Fi.

For more information on how to use this application, go to www.att.com/smartwifi.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as S Beam. To activate NFC on your device, see “NFC” on page 117.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music app, and more. For more information, refer to “S Beam” on page 117.

Bluetooth

About Bluetooth

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

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, tap  → **Settings** →  **Connections**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON  .
When active,  appears within the Status area.

To turn Bluetooth off:

1. From the Home screen, tap  → **Settings** →  **Connections**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth OFF .

Bluetooth Status Indicators

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

-  Displays when Bluetooth is active.
-  Displays when Bluetooth is connected (paired) and communicating.

Bluetooth Settings

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

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

To access the Bluetooth Settings menu:

1. From the Home screen, tap  → **Settings** →  **Connections**.
2. Verify your Bluetooth is ON .
3. Tap **Bluetooth**.

To change your Bluetooth name:

1. From the Home screen, tap  → **Settings** →  **More** → **About device** → **Device name**.
2. Use the keyboard to modify your device name and tap **OK**.

To make your device visible:

1. From the Bluetooth settings page, tap  → **Visibility time-out**.
 - Making your device visible allows it to be detected by other devices for pairing and communication.
2. Select a time that you would like your device visibility to time-out.

To show received files:

- From the Bluetooth settings page, tap  → **Received files**.

A list of all files received from Bluetooth is displayed.

To scan for Bluetooth devices:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Scan** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Pairing Bluetooth Devices

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

To pair your device with another Bluetooth device:

1. Verify your Bluetooth is active.
2. Tap **Scan**. Your device will display a list of discovered in-range Bluetooth devices.
3. Tap a device from the list to initiate pairing.
4. Enter the passkey or PIN code, if needed, and tap **OK**.
5. The external device will then have to also accept the connection and enter your device's PIN code.

Once successfully paired to an external device,  appears within the Status area.

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

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

Disconnecting a paired device

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

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

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

Deleting a paired device (unpair)

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

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap  next to the previously paired device. This opens the connected device's menu options.
3. Tap **Unpair** to delete the paired device.
4. Tap **Rename** to change the name of the paired device.
5. Tap **Call audio** to enable or disable call audio from the paired device.
6. Tap **Media audio** to enable or disable media audio from the paired device.

Sending Contacts via Bluetooth

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

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

1. Verify your Bluetooth is active.
2. From the Home screen, tap **Contacts** .
3. Tap  → **Import/Export** → **Share namecard via**.
4. Tap each contact that you would like to send via Bluetooth. A green check mark will appear next to each entry you select.
5. Tap **Done**.
6. Tap **Bluetooth**.
7. Select the paired device to send the contacts to.

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

8. A Bluetooth share notification will appear in your notifications list.

PC Connections

You can connect your device to a PC using your PC data cable using various USB connection modes.

Storage: allows you to use the onboard storage capacity of the phone to store and upload files. This option allows your computer to detect the phone as a removable storage drive.

Kies: allows you to manage music, movies and photos. You can also backup precious contacts and calendars, download apps and podcasts and automatically upgrade device firmware. Kies conveniently syncs your life across all your devices.

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

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

Connecting as a Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC when connected.
2. On the PC pop-up, click **Open device to view files**.
3. Copy files from the PC to the memory card.

Section 10: Applications

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

Note: This manual only addresses applications that have been loaded on your device as of the date of purchase. Information concerning third party applications that you may choose to download from the Google Play Store or otherwise should be obtained from the application provider directly and not from Samsung.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *“Customizing Your Home Screen”* on page 39.

Amazon Kindle

This application allows you to download books, magazines, and newspapers to read on your phone.

1. From the Home screen, tap  → **Amazon Kindle** .
2. At the Kindle display, tap **Get Kindle for Android**.

Note: The first time you use Amazon Kindle, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update**. For more information, refer to *“Play Store”* on page 204.

3. Sign on to your Google account. For more information, refer to *“Creating a New Google Account”* on page 14.
4. Follow the on-screen instructions to download the application from the Play Store.

AT&T Code Scanner

AT&T Code Scanner allows you to scan two-dimensional (QR and datamatrix codes) and one-dimensional (UPC and EAN) barcodes found in magazines, stores, and online.

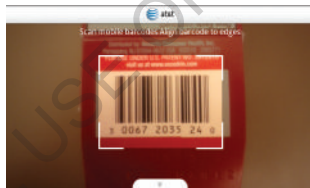
1. From the Home screen, tap  →

AT&T Code Scanner .

Note: The first time you use the AT&T Code Scanner, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update**. For more information, refer to “*Play Store*” on page 204.

2. Sign on to your Google account if you are not already signed on. For more information, refer to “*Creating a New Google Account*” on page 12.
3. Read the Terms and Conditions and tap **Accept** to continue.
4. At the My Profile screen, tap **OK** to enter profile information or tap **Not now** to bypass.

5. Position your phone approximately 6-8 inches from the barcode. Ensure that the barcode is completely within the window as shown below. Keep your phone steady for best results.



6. The scanner will automatically scan the barcode. It may take several seconds.
7. After the scan, tap **Yes** to open the web page to view the information on the barcode that was scanned.

AT&T DriveMode

With the AT&T DriveMode application, you can set your phone to auto reply when you are driving and don't want to answer the phone. You can set auto reply to Messages, Emails, and Phone Calls. You can also allow up to five of your contacts to contact you while you are in Drive mode.

1. From the Home screen, tap  →

AT&T DriveMode .

The **AT&T DriveMode** screen is displayed.

2. Read the Terms and Conditions and Privacy Policy and tap **Accept** to continue.
3. Read the additional information and tap **Continue**.
4. Follow the on-screen instructions to set up your AT&T DriveMode options.

AT&T FamilyMap

AT&T FamilyMap provides peace of mind by being able to conveniently locate a family member from your wireless phone or PC and know that your family's location information is secure and private.

Note: FamilyMap requires a paid subscription. To sign up for service, visit <http://www.att.com/familymap> for more information or contact your AT&T Customer Service Representative.

1. From the Home screen, tap  →

AT&T FamilyMap .

Note: The first time you use AT&T Family Map, you will need to download the application from the Play Store. For more information, refer to “*Play Store*” on page 204.

2. At the AT&T FamilyMap Sign In webpage, tap **Get Started** to create an account.
– or –
Tap **Sign In** if you already have an account.
3. Follow the on-screen instructions.

AT&T Locker

AT&T Locker allows you to store, share, and sync all of your photos, videos, and documents in one safe, convenient place; the AT&T cloud.

1. Sign on to your Google account if you are not already signed on. For more information, refer to “*Creating a New Google Account*” on page 14.
2. From the Home screen, tap  → **AT&T Locker** .
3. At the AT&T Locker home screen, tap **Sign Up** to create an account or tap **Log In** if you already have an account.
4. Follow the on-screen instructions to use AT&T Locker.

AT&T Navigator

AT&T Navigator provides you with access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches.

Important! You must have a data plan to use this feature.

Note: These services require the purchase of a subscription.

To launch the AT&T Navigator application, follow these steps:

1. From the Home screen, tap  → **AT&T Navigator** .
2. Read the **Terms of Service** and tap **Accept** to acknowledge the terms of use.
The first time that you use AT&T Navigator, the necessary files will be downloaded. The AT&T Navigator main screen displays.
3. Tap an AT&T Navigator plan that you choose to purchase.
4. Follow the on-screen instructions.

AT&T Ready2Go

AT&T Ready2Go allows you to quickly and easily setup your phone by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features. For more information, refer to “Configuring your Phone” on page 12.

AT&T Smart Wi-Fi

With AT&T Smart Wi-Fi, you can maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use. For more information, refer to “AT&T Smart Wi-Fi” on page 170.

Battery Manager

This app is a shortcut to your Battery settings so you can manage how much battery power is used for device activities.

- From the Home screen, tap  → **Battery Manager** .

For more information, refer to “Battery” on page 154.

Calculator

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. The Calculator also keeps a history of recent calculations.

1. From the Home screen, tap  → **Calculator** .
2. Enter the first number using the on-screen numeric keys.
3. Enter the operation for your calculation by tapping the corresponding on-screen arithmetic function key.
4. Enter the second number.
5. To view the result, tap equals (=).
6. To view calculator history, tap  located at the top of the calculator buttons. A history of your past calculations is displayed. Tap  again to display the calculator keypad.
7. To clear the calculator history, tap  → **Clear history**.
8. To change the text size, tap  → **Text size**. Tap Small, Medium, or Large.
9. Turn your phone sideways to the landscape position to display the scientific calculator.

Calendar

With the Calendar feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary.

To access the Calendar:

1. From the Home screen, tap  → **Calendar** .
2. The following tabs are available on the right side of the display:
 - **Year**: displays the Year view.
 - **Month**: displays the Month view.
 - **Week**: displays the Week view.
 - **Day**: displays the Day view.
 - **List**: displays the List view.
 - **Task**: allows you to search for tasks.
3. Tap  (**Create event**) to create a new Calendar event.
4. Tap **Today** to display the current date indicated by a blue box.
5. Tap **Calendars** to select the calendar options that you want displayed.
6. Tap  and select one of the following options:

- **Go to**: displays a specific date.
- **Delete**: allows you to delete All events, All events before today, or an individual event.
- **Search**: allows you to search within your current events.
- **Sync**: allows you to synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
- **Settings**: displays a list of configurable settings.

Calendar Settings

1. From any Calendar view, tap  → **Settings**.
2. Tap **View styles** and select an option.
 - Tap **Month view styles** and select an option.
 - Tap **Week view** and select a type.
3. Tap **First day of week** and select either **Local default**, **Saturday**, **Sunday** or **Monday**.
4. Tap **Hide declined events** to activate this option. A check mark indicates selection.
5. Tap **Lock time zone** (to lock event time based on your current user-selected time zone). Select a time zone from within the **Select time zone** field.

6. Tap **Show week number** to display the week numbers along the side of the week entries.
7. Tap **Calendars** and select the type of general synchronization settings you want. A check mark indicates selection.
8. Tap **Set alerts & notifications** to adjust the event notification method. Choose from: **Alert**, **Status bar notification**, and **Off**.
9. Tap **Select ringtone** to assign a ringtone to a calendar event notification.
10. Tap **Vibration** to set the Event notification tone to vibrate.
11. Tap **Quick responses** to select quick responses to emailing guests.

Camera

Use your 13.0 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos. For more information, refer to “*Camera*” on page 80.

ChatON

With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can chat in groups, while a Web client will allow the easy sharing of content and conversations between your phone and PC. For more information, refer to “*ChatON*” on page 106.

Chrome

The Google Chrome app allows you to use the Google Chrome web browser on your phone.

1. From the Home screen, tap  → **Chrome** .
2. Read the Google Chrome Terms of Service and tap **Accept and Continue**.
3. If you have an existing Chrome account, tap **Sign in** to bring your open tabs, bookmarks, and omnibox data from your computer to your phone, otherwise tap **No thanks**.
4. Follow the on-screen instructions to use Google Chrome.

Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, and use a timer.

Alarm

This feature allows you to set an alarm to ring at a specific time.

1. From the Home screen, tap  → **Clock**  → **Alarm** → **Create alarm** . The following options display:
 - **Time**: tap  (**Up**) or  (**Down**) to set the new time for the alarm to sound. Tap AM or PM.
 - **Alarm repeat**: use this option to set the repeating status for the alarm by tapping on the days that you want the alarm to sound. Tap the Repeat weekly checkbox to have the alarm repeat weekly.
 - **Alarm type**: sets the way in which the alarm sounds when activated (Melody, Vibration, Vibration and melody, and Briefing).
 - **More**: displays the following additional options:

- **Alarm tone:** sets the sound file which is played when the alarm is activated. Select an option or tap Add for additional options.
- **Alarm volume:** drag the slider to adjust the alarm's volume.
- **Location alarm:** when activated, the alarm only sounds when you are at a specific location. Touch and slide the slider to the right to turn it on  then follow the on-screen instructions to enter a location.
- **Snooze:** use this option to set a Duration (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times). Tap the ON/OFF slider to activate.
- **Smart alarm:** tracks body movements and calculates the best time for sounding the alarm. Place the phone somewhere on your bed then the phone's movement sensor (also known as accelerometer) is sensitive enough to work from any part of the bed. Set the Interval and the Tone. Tap the ON/OFF slider to activate.
- **Name:** allows you to use a specific name for the alarm. The name will appear on the display when the alarm activates.

2. Tap **Save** to store the alarm details.

Turning Off an Alarm

- To stop an alarm when it sounds, touch and sweep the  icon to the right.

Setting the Snooze Feature

- To activate the Snooze feature after an alarm sounds, touch and sweep the  icon to the left. Snooze must first be set in the alarm settings. For more information, refer to “Alarm” on page 184.

Deleting Alarms

To delete an alarm, follow these steps:

1. From the Home screen, tap  → **Clock**  → **Alarm** →  → **Delete**.
2. Tap the alarm or alarms you wish to delete. A green check mark will appear next to each selection. Tap **Select all** to delete all alarms.
3. Tap **Delete**.

World Clock

World Clock allows you to view the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

1. From the Home screen, tap  → **Clock**  → **World Clock**. The clock for your time zone is displayed.
2. Tap **Add city** to add another city to the World Clock.
3. Scroll through the list of cities to find the city you want to add, or tap the Search bar and use the keypad to enter a city to search for.
4. Tap the city you want to add. The clock for that city will display.
5. To set Daylight Savings time, press and hold a city, then tap **DST settings**.
6. Select **Automatic**, **Off**, or **1 hour**.
7. If Daylight Savings Time is selected, a sun symbol on the World Clock listing will appear.

Deleting a World Clock Entry

1. From the Home screen, tap  → **Clock**  → **World Clock** →  → **Delete**.
2. Press and hold the city clocks you wish to delete.
3. Tap **Delete**.

Stopwatch

You can use this option to measure intervals of time.

1. From the Home screen, tap  → **Clock**  → **Stopwatch**.
2. Tap **Start** to start the stopwatch and tap **Lap** to mark a unit of time per lap.
3. Tap **Stop** to stop the stopwatch.
4. Tap **Restart** to continue or tap **Reset** to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. From the Home screen, tap  → **Clock**  → **Timer**.
2. The **Minutes** field is highlighted and set to 1 minute. Use the keypad to set the number of minutes you want.
3. Tap the **Hours** field to set hours if desired. As you tap different fields, they will become highlighted.
4. Tap the **Seconds** field to set seconds.
5. Tap **Start** to begin the timer and tap **Stop** to pause the timer.
6. After stopping, tap **Restart** to continue or tap **Reset** to set the timer back to the original setting.

Desk clock

You can use the Desk clock when you have a desk dock and you want your phone to display the time, day, date, location, and weather conditions when it is docked.

1. From the Home screen, tap  → **Clock**  → **Desk clock**.

The default Desk clock is displayed.

2. Tap  to display the Desk clock in full-screen mode.
3. To make changes, tap  → **Settings**.
4. The following options are displayed while in full-screen mode:
 - **Hide status bar**: when this is checked, the status bar is hidden from view.
 - **Wallpaper**: tap to select Desk clock wallpaper from Default, Gallery, or Same as home screen.
 - **Calendar**: when this is checked, the calendar is displayed. Tap to uncheck.
 - **Weather**: when this is activated, the location, temperature, and weather condition is displayed. Touch and slide the slider to the right to turn it on .
 - **Dock**: allows you to set your Dock settings such as Dock sound, Audio output mode, Desk home screen display, Automatic unlock, and Audio output.

Contacts

You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

You can also synchronize your phone Address Book with AT&T Address Book, the network backup service.

For more information, refer to “*Contacts and Your Address Book*” on page 66.

Data Manager

This app is a shortcut to your Data usage settings so you can manage your data.

- From the Home screen, tap  → **Data Manager** .

For more information, refer to “*Data Usage*” on page 110.

Device Help

DeviceHelp provides online information to help with your device questions.

1. From the Home screen, tap  → **Device Help** .

The **AT&T Device Help** screen is displayed.

2. Follow the on-screen instructions for accessing helpful information.

Downloads

Provides quick access to tabs containing a list of your current downloaded files (Internet and Other).

1. From the Home screen, tap  → **Downloads** .

All of your downloads are listed.

2. Tap an available file and select it for use.
3. Choose an available action such as Share, Delete, Sort by size, or Clear list.

Email

Email enables you to review and create email using various email services. You can also receive message alerts when you receive an important email. For more information, refer to “*Using Email*” on page 100.

Flipboard

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

1. From the Home screen, tap  → **Flipboard** .
2. Swipe up on the Flipboard screen, then tap **Flipboard Account** at the top of the display.
3. Tap **Create** to set up a new Flipboard account.
– or –
Tap **Sign In** to log into your previously created profile.
4. Follow the on-screen instructions to use Flipboard.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to “*Gallery*” on page 89.

Games

Access social and premium games. Join Game Hub to enjoy free games with your friends.

1. From a Home screen, touch  → **Games** .
2. Tap a game and follow the on-screen instructions.

Gmail

Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to “*Using Gmail*” on page 102.

Google

The Google Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, refer to “*Google Search Bar*” on page 34.

Google Settings

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

1. From the Home screen, tap  → **Google Settings**  and select an on-screen option.
2. Tap one of the following options: **Google+**, **Apps with Google+ Sign-in**, **Maps & Latitude**, **Location**, **Search**, and **Ads**.
3. Follow the on-screen prompts to modify your Google Settings.

Google +

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to “Google +” on page 104.

Group Play

Group Play allows you to share pictures, music, and documents in real-time with your friends. You can create a group from your device or join other groups. You can also play games with your friends.

1. From the Home screen, tap  → **Group Play** .
2. The first time you access Group Play, read the Disclaimer and tap **OK**.
The Group Play main screen is displayed.

Creating a group

If you have media you want to share, create a group.

1. From the Group Play main screen, if you want to set a group password, tap the **Set group password** checkbox.
2. Tap **Create group**.
3. If you selected the **Set group password** checkbox in step 1, enter a group password at the **Set group password** prompt, and tap **OK**.
Mobile AP is enabled.
4. Tap one of the media items listed under the **Share and play content** heading.

5. Tap the items you want to share to create a check mark, then tap **Done** or **OK**.
6. Have your friends sign onto Group Play from their devices and they can view your media using you as a Mobile AP.
7. Tap  → **Info** for information on the device that is hosting the Mobile AP.
8. Tap  → **Help** for additional information.

Joining a group

If you want to see media from your friend's phone, join a group.

1. From the Group Play main screen, tap **Join group**.
2. Your phone scans for available groups for you to join.
3. Tap a group to join.
You will now be able to see your group's shared media.
4. Tap  → **Info** for information on the device that is hosting the Mobile AP.

Hangouts

Hangouts is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Hangouts"* on page 104.

Internet

Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Browser"* on page 158.

Local

Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and other businesses. You can also add your own locations.

1. From the Home screen, tap  → **Local** .
2. Tap on one of the business categories to search for a particular business.
All of the business categories that are close to you will be displayed.
3. Tap on a business that you want to see the details for.
4. The business details such as address, phone, website, and location are displayed. You can also see reviews from around the web and from Google users.

Lookout Security

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

1. From the Home screen, tap  → **Lookout Security** .
2. Follow the prompts to set up Lookout Security functions.

Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.

Important! Before using Google Maps you must have at least an active data (3G) connection. The Maps application does not cover every country or city.

Enabling a Location Source

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

1. From the Home screen, tap  → **Settings** →  **More** → **Location services**.
2. Tap the **Use GPS satellites** field. A green check mark will display next to the field.

Note: Selecting **Use GPS satellites** allows you to locate places of interest at the street-level. However, this also requires a clear view of the sky and uses more battery power.

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

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Using Maps

1. From the Home screen, tap  → **Maps** .
- A map will display with your location in the very center.
2. Follow the on-screen instructions to use the Maps application.

Messages

The AT&T Messages app brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer. For more information, refer to “*Messages App*” on page 105.

Messaging

You can send and receive different types of messages. For more information, refer to “*Messaging*” on page 92.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to “*Messenger*” on page 104.

Mobile Hotspot

This application allows you to share your phone's mobile data connection via USB or as a portable Wi-Fi hotspot. For more information, refer to “*Tethering & portable hotspot*” on page 114.

Mobile TV

Mobile TV is a subscription service that allows you to watch your favorite TV shows using your handset.

Note: This feature requires a paid subscription. See your AT&T Customer Service Representative for more information.

1. From the Home screen, tap  → **Mobile TV** .

Note: The first time you use Mobile TV, you will need to download the application from the Play Store. For more information, refer to “*Play Store*” on page 204.

2. The Play Store displays the **Mobile TV** application. Tap **Update**.
3. Tap **Accept & download**.
4. Tap **Open**.
5. Read the **Terms and Conditions** and tap **Accept & Start Trial** to continue or **Exit** to exit.
6. The Mobile TV main page displays. Follow the on-screen instructions to watch TV.

Note: Mobile TV will use a large amount of data and you are responsible for all data charges. It is strongly recommended that you upgrade to a large data plan in addition to this purchase.

Music

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

Playing Music

1. From the Home screen, tap  → **Music** .
2. Tap a library category at the top of the screen (Songs, Playlists, Albums, Artists, Music square, or Folders) to view the available music files.
3. Scroll through the list of songs and tap an entry to begin playback.
4. The following Music controls are available:



Pause the song.



Start the song after pausing.



Press and hold to rewind the song. Tap to go to previous song.



Press and hold to fast-forward the song. Tap to go to next song.



Volume control.



Volume control showing volume muted.



Plays the entire song list once.



Replays the current list when the list ends.



Repeats the currently playing song.



Shuffles the current list of songs randomly.



Songs play in order and are not shuffled.



Lists the current playlist songs.



Displays the current song in the player window.



Assign the current song as a Favorite.



Streams the current music file to another device via Samsung Link.

Music Options

To access additional options, follow these steps:

1. While in Music, tap .
2. The follow options are available before you play music:

Note: The following options may or may not appear depending on whether or not music is actually playing. Also, options will be different if the song you are listening to is in a playlist.

- **Add to playlist:** allows you to add the current music file to a selected playlist.
- **Via Bluetooth:** scans for devices and pairs with a Bluetooth headset.
- **Delete:** deletes the music file.
- **Search:** allows you to search your device for a certain song.
- **Settings:** allows you to change your Music settings. For more information, refer to “*Music Settings*” on page 196.
- **End:** allows you to end the Music app.

Music Settings

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

1. From the Home screen, tap  → **Music** .
2. Tap  → **Settings**.
3. Select one of the following settings:
 - **SoundAlive:** set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, etc.
 - **Adapt sound:** allows you to set Adapt sound on when your are listening with earphones to alert of incoming calls and notifications.
 - **Play speed:** set the play speed anywhere between 0.5X and 2.0X using the slider.
 - **Music menu:** this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.

- **Music auto off:** when activated, music will automatically turn off after a set interval.
- **Lyrics:** when activated, displays lyrics when available.
- **Smart volume:** automatically adjusts each track's volume to an equal level.
- **Voice control:** allows you to use voice commands to control the Music app.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. From the Home screen, tap  → **Music** .
2. Tap the **Playlists** tab.
3. Tap  → **Create playlist**.
4. Type a name for this playlist in the field and tap **OK**.

Adding Music to a Playlist

To add files to the playlist:

1. From the Home screen, tap  → **Music** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to add music.
4. Tap  (**Add music**).
5. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

To remove music files from a playlist:

1. From the Home screen, tap  → **Music** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to delete music.
4. Tap  → **Remove**.
5. Tap the checkbox to the left of each track you want to remove from this playlist, or tap **Select all** to remove all the music tracks from this playlist, then tap **Remove**.

Editing a Playlist

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

To edit a playlist:

1. From the Home screen, tap  → **Music** .
2. Tap **Playlists**.
3. Tap  → **Edit title**.
4. Tap a playlist name to edit.
5. Enter a new name for the playlist then tap **OK**.

For information on downloading music for your phone, see “*Play Music*” on page 204.

My Files

My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

1. From the Home screen, tap  → **My Files**  → **All files**.
2. Tap **Device storage** to see the contents of your internal SD card.
3. The following folders may display:
 - **Alarms**: this folder contains any alarm files you may have.
 - **Android**: the Android folder stores files that are used in Android applications.
 - **Application**: this folder contains app info for S Memo.
 - **Bluetooth**: this folder stores files sent via a Bluetooth device.
 - **DCIM**: this is the default location for pictures and videos taken by the device. Tap **DCIM** → **Camera** to view the picture or video files. For more information, refer to “*Viewing Pictures*” on page 89. Also, see “*Viewing Videos*” on page 90.
 - **Download**: this folder contains downloads you have made.
 - **Movies**: this folder contains your Video and Movie files.
 - **Music**: this folder contains your Music files.

- **Notifications:** this folder contains all of the notifications you have received.
- **Pictures:** this folder contains your photos.
- **Podcasts:** this folder contains all of your podcasts.
- **Ringtones:** this folder contains any ringtones you have purchased.
- **S Memo:** this folder contains all the S Memos you have written.

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

4. If you have an external SD card inserted, tap **SD memory card** to see the contents of your external SD card (memory card).

myAT&T

The myAT&T application allows you to manage your own AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your rate plan.

Note: The first time you use myAT&T, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update**. For more information, refer to “*Play Store*” on page 204.

Initial Setup

1. From the Home screen, tap  → **myAT&T** .
2. Sign into your Google Account. If you haven't set up an account, see “*Creating a New Google Account*” on page 14.
3. After signing into your Google Account, the Play Store displays the **myAT&T** application. Tap the application.
4. Tap **Update**.
5. Follow the on-screen instructions.

Using myAT&T

1. From the Home screen, tap  → **myAT&T** .
The **myAT&T** page is displayed.
2. Read the Terms and Conditions and tap **Accept** to continue.
3. Enter your **User ID** and **Password** using the on-screen keypad, then tap **Login**.
4. Follow the on-screen instructions.

Navigation

Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.

Note: For voice-guided navigation, you need to install text-to-speech support from the Play Store.

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

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Launching Navigation

1. From the Home screen, tap  → **Navigation** .
2. Read the Navigation information page and tap **Accept** to continue or **Don't accept** to exit.
3. Select one of the following options:
 - **Speak destination:** allows you to speak your destination.

- **Type destination:** allows you to use the keypad to enter your destination.
 - **Go home:** takes you to your home address. The first time you are prompted to enter it.
 - **Map:** takes you to the map location of your present location using GPS.
 - **Recent Destinations:** allows you to access information on previous destinations you have used. This option only appears after you have entered one or more destinations.
4. Follow the on-screen instructions.

Obtaining Driving Directions

Your phone's built-in GPS hardware allows you to get real-time driving directions to selected locations or establishments based on your current location.

Using a Physical Address

1. From the Home screen, tap  → **Navigation** .
2. Tap either **Speak Destination** or **Type Destination**.
3. If typing in the address, enter the address, City, and State using the keypad. As you type, possible addresses will be displayed. Tap on one when you see the address you want.
The route will be displayed.
4. If speaking the address, the Voice guidance screen is displayed. For voice-guided navigation you need to install text-to-speech support from the Play Store. Tap **Install** to install the application or tap **Skip** to exit.

Note: You will need to be signed on to your Google account before downloading applications from the Play Store. For more information, refer to “*Creating a New Google Account*” on page 14.

5. As you drive the route display will be updated and you will receive voice-guided navigation directions.
6. Tap  for additional options.

Paper Artist

The Paper Artist application allows you to draw new images or import images from your Gallery and change them.

Note: This application is not preloaded on your phone.

1. From the Home screen, tap  → **Paper Artist** . A pop-up displays, prompting you to download the app.
2. To download Paper Artist, tap **OK**.

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites. For more information, refer to “*Call Functions*” on page 50.

Photo Suggest

Photo Suggest allows you to view photos of places of interest near your location.

- From the Home screen, tap  →

Photo Suggest . A map appears with stacks of available images of places of interest.

Play Books

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

1. From the Home screen, tap  → **Play Books** .
2. Log on to your Google account. For more information, refer to “*Creating a New Google Account*” on page 14.
3. Follow the on-screen instructions for using the Play Books application.

Play Magazines

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

1. From the Home screen, tap  → **Play Magazines** .
2. Log on to your Google account if you have not already done so. For more information, refer to “*Creating a New Google Account*” on page 14.
3. At the Welcome! display, tap the shop icon  to browse the full catalog.
4. Read the Google Play Terms of Service and tap **Accept**.
5. Sweep the screen to the left or right to view Categories, Featured, Top Selling, and New Arrivals.
6. Tap a magazine to see more information and subscribe.
7. Follow the on-screen instructions to subscribe to a magazine.

Play Movies & TV

With Google Play Movies & TV, you can rent thousands of different movies and television shows. You can watch instantly, or download your movie or show for offline viewing at a later time.

1. From the Home screen, tap  → **Play Movies & TV** .
2. Log on to your Google account if you have not already done so.
3. Following the on-screen instructions for renting and viewing movies and TV shows.
4. Tap the **MOVIES** tab to view movies you can rent.
5. Tap the **TV SHOWS** tab to view shows you can rent.
6. Tap the **PERSONAL VIDEOS** tab to view movies you have on your phone or memory card.
7. Tap  for additional options.

Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.

1. From the Home screen, tap  → **Play Music** .

All music on your device and external SD card is displayed including Music folders that may contain multiple songs.

2. Tap a song to start playback.
3. From the main Play Music screen, you can tap any of the following tabs for a more detailed listing of songs: Playlists, Recent, Artists, Albums, Songs, and Genres.
4. Tap  for the following options:
 - **Shuffle all:** allows you to play all of your music in a shuffled order.
 - **Settings:** allows you to view Open source licenses and the music version for the Play Music application.
 - **Help:** allows you to view a help file on the Google Support website.

Play Store

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

Before using the Play Store you must have a Google Account. For more information, refer to “Using Gmail” on page 102.

1. From the main Home screen, tap **Play Store** .
2. Sign in to your Google account.
3. The first time you sign in, the Play Store Terms of Service will be displayed. Tap **Accept** to continue or **Decline** to exit.
4. Tap **Apps**, **Games**, or **AT&T** to download or purchase games or applications. You can also download updates to existing applications.
5. Follow on the on-screen instructions.

POLARIS Office 5

POLARIS® Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline. The application can also open Adobe PDF (Portable Document Format) files.

1. From the Home screen, tap  → **POLARIS Office 5** .
2. Enter your Email information (if desired) and touch **Register** to complete the process.
– or –
Touch **Skip** to ignore this registration.
The main POLARIS Office 5 screen displays.
3. Follow the on-screen instructions to use POLARIS Office 5.

S Memo

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

Creating a New Memo

1. From the Home screen, tap  → **S Memo** .
2. Tap an existing Memo to open it then tap the screen to enter edit mode.
– or –
Tap  to start a new memo in text mode with the keypad displayed or tap  to start a new memo in drawing mode using your finger or a compatible on-screen writing tool. You can change back and forth in a memo to add text with the keypad and the pen.



-  Eraser tool allows you to erase marks and drawings.
-  Undo the last action.
-  Redo the last action that was undone.
-  Make a voice recording to add to the memo. This option is not available in free-format drawing mode.
-  Hide the secondary toolbar.
-  Show the secondary toolbar.
-  Provides access to a quick selection bar. Choose from: Take picture, Images, Clipboard, Maps, and Clip art. These elements can be used within the memo.
-  Add an additional page to the memo.

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

- | | |
|--|--|
|  | Changes the view mode. |
|  | Allows you to add free-format drawing. |
|  | Displays the keypad to you can add text. |

3. Tap  to access the following options:

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

- **Share via:** allows you to share your memo as either an Image file (.jpg), a PDF file (.pdf), Plain text, or S Memo file (.snb) via Group Play, Wi-Fi Direct, Bluetooth, ChatON, Flipboard, Picasa, Google+, Messaging, AT&T Locker, Gmail, or Email.
- **Delete:** allows you to delete the S Memo.
- **Export:** allows you to save the memo to your Gallery as either a JPG or as a PDF.
- **Save as:** allows you to save the memo with a different name.
- **Add tag:** allows you to set tags to add in searches.
- **Add to Favorites:** allows you to tag the current memo as a favorite.
- **Change background:** allows you to set the background for your memo. Tap the background that you want, then tap .
- **Create event:** allows you to link the memo to your Calendar events.
- **Set as:** allows you to set a memo as a contact icon, Home screen wallpaper, or Lock screen wallpaper.
- **Print:** allows you to print the screen or web page on a Samsung printer using Wi-Fi.

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

S Translator

With the S Translator you can easily translate words and phrases into many different languages.

1. Sign in with your Samsung Account if you have not already done so. For more information, refer to “*Creating a Samsung Account*” on page 14.
2. From the Home screen, tap  → **S Translator** .
3. At the S Translator screen, tap the top language bar and enter your language.
4. Tap the language bar at the bottom of the screen to select the language that you would like to translate to.
5. Enter text into the upper box and tap .
It will be translated into the language of the upper box.
– or –
Enter text into the lower box and tap .
It will be translated into the language of the lower box.
6. Tap either of the **Speak** buttons at the bottom of the screen to translate using either language by using your voice. The translation will appear automatically in the appropriate box.

7. Tap  for additional options.

S Voice

With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc.

1. From the Home screen, tap  → **S Voice** .
2. Read the Samsung Disclaimer then tap **Confirm** to continue.
3. Read the Vlingo Terms of Service then tap **Agree** to continue.
4. Read the information on the **About S Voice** screen, then tap **Next**.
5. Read the information on the **Say what you want** screen, then tap **Next**.
6. Read the information on the **Wake up S Voice** screen, then tap **Next**.
7. Read the information on the **Edit what you said** screen, then tap **Next**.
8. Read the information on the **Help** screen, then tap **Finish**.

9. At the S Voice screen, tap  or say "Hi Galaxy" to wake up S voice.
10. Speak into the phone and follow the on-screen instructions.
11. Tap  for additional options.

Samsung Apps

With Samsung Apps, you can download hundred of applications from a variety of categories.

1. Sign on to your Samsung account if you have not already done so.
2. From the Home screen, tap  → **Samsung Apps** .
3. Tap an application that you would like, then tap **Get**.
4. Tap **Accept and download**.
The application is downloaded to your device. You can find the app icon in your app menu.
5. Tap  → **Help and notices** for additional information.

Samsung Hub

Samsung Hub is Samsung's integrated store for media content that offers a comprehensive and consistent media service experience.

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

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

Note: Samsung Hub usage is based on service availability.

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

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

Creating a New Samsung Hub Account

Before you can rent or buy media, you must first create an account. Enter the required information.

1. Confirm you have already logged in to your Samsung account.
2. From the Home screen, tap  → **Samsung Hub** .
3. When prompted to connect via mobile networks, select either **Cancel** or **Connect**.
4. If notified your Samsung account is not yet active or verified, tap **OK**. You must be signed in to your Samsung account to use the application's various features.

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

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

5. Tap  → **Help** for additional information.

Using Samsung Hub

The main Samsung Hub screen provides an overview of all the available categories on one page such as: Music, Video, Books, and Games. The overview page also displays recently added media that you can rent or purchase.

1. From the Home screen, tap  → **Samsung Hub**  .
 - The Overview screen (landing page) displays an main access for all available categories and recently available content for purchase or rental.
2. Scroll across the screen to select from the following available pages:
 - **MUSIC:** displays featured Music content available for purchase/stream from the Music store & Radio. This page also allows you to search for new content, or navigate directly to the Music store page by clicking on the Music link at the top of the page.
 - **VIDEO:** displays featured film and TV content available for purchase/rent from the video store. This page also allows you to search for new content, or navigate directly to the Movie & TV store page by clicking the Video link at the top of the page.
 - **BOOKS:** displays featured Book content available for purchase from the Book store. This page also allows you to search for new content, or navigate directly to the Book store page by clicking the Books link at the top of the page.
 - **GAMES:** displays featured Game content available from the Game store. This page also allows you to search for new content, or navigate directly to the Game store page by clicking the Games link a the top of the page.
3. To purchase or view featured content in more detail, tap on any content (Thumbnail or text) to navigate to the product detail page.
4. Depending on the content, you can either purchase, rent, or stream the content directly from the product detail page.
5. Choose a payment method, then follow the on-screen instructions.

Samsung Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Samsung Hub.
- Media Content that is purchased and downloaded may be viewed concurrently on up to five (5) devices with Samsung Hub (or “the service”) that are also registered to the same account.
- You may remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you’d like. You will have the ability to re-download the Media Content later subject to content re-download availability and content provider permissions.
- You may need network coverage to access Media Content you have acquired through the Service.
- You can use 3G, 4G, or Wi-Fi connectivity to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account at a time.
- Media Content is downloaded and saved to your authorized device’s SD card. No SD Card included out of box.
- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching Media Content within the time limit set out for each piece of content (which may be as short as 24 consecutive hours).
 - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.
 - In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).
- Unless otherwise restricted by the Content Providers, you can download Media Content to your TV using HDMI connections; otherwise, you cannot play Media Content downloaded from your mobile device output.

Samsung Link

With the Samsung Link app, you can share and play content across smart devices anytime and anywhere.

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

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

Important! You must first connect both of your communicating devices to the same Wi-Fi and be using an active/registered Samsung account prior to using this application. For more information, refer to “*Wi-Fi Settings*” on page 108. For more information, refer to “*Creating a Samsung Account*” on page 14.

1. From the Home screen, tap  → **Samsung Link** .
2. Tap **Sign in** to sign into your Samsung Account if you have not already done so.
3. If prompted, read the on-screen message about network charges and tap **OK** to continue and return to the main Samsung Link screen.
4. Tap **Start** and follow the on-screen prompts.
5. Scroll across the application screen to view either **MY RECENT CONTENT** or **DEVICES & STORAGE**.
6. The DEVICES & STORAGE screen contains two separate streaming media options:
 - **Registered storage:** allows you to receive and playback media stored externally (server, laptop, etc.) directly on your device by allowing you to add a Web storage service for streaming content.
 - **Registered devices:** allows you to stream/share selected multimedia content from your device to DLNA compliant device connected to the same Wireless Access Point.

Configuring Samsung Link Settings

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

1. From the Home screen, tap  →

Samsung Link  → **DEVICES & STORAGE** tab.

2. Tap  → **Settings** and configure the following settings as desired:
 - **Registered storage:** allows you to add a Web storage location. Without a storage service/location added, you will not be able to use Samsung Link.
 - **My device:** displays your device name as it is used with Samsung Link. Tap to change the device name.
 - **Save to:** allows you to save your media to your internal phone memory or to an SD card.
 - **Auto upload:** allows you to enable automatic upload of images from your device to those storage locations specified within the Web storage list. Touch and slide the slider to the right to turn it on .

- **Video optimization:** allows you to setup the video quality for streamed video content. Touch and slide the slider to the right to turn it on .
- **Password lock:** allows you to restrict access to Samsung Link by requiring a user enter the currently active and associated Samsung account password. Touch and slide the slider to the right to turn it on .
- **My account:** displays Samsung account information.
- **Customer support:** allows you to contact the Samsung Link team via a new email from an available email account.
- **About this service:** displays application information

Sharing Media via Samsung Link to a Target Device

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

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

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

3. Tap your device name from the **Registered devices** area.
4. Tap an available category tab (Pictures, Music, Movies, Files, or Info) and select a file.
 - A file with  in the upper-left indicates it is stored remotely on a Web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.

5. Tap an available on-screen file, image, or video to place a green check mark alongside it.
6. Tap  (**Stream to connected devices**) and select an available target device to begin streaming.
7. On a target device (ex: Internet TV) select the on-screen **Allow** button to continue.

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

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

Settings

This widget navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to “*Changing Your Settings*” on page 107.

Story Album

With Story Album, you can create a digital Album of your story in media. Special moments will be on a timeline, and if you wish, you can have your album published as a hard copy.

1. From the Home screen, tap  → **Story Album** .
2. Read the introductory information and tap **Next**.
3. Tap **Start** to begin your Story Album.
4. Follow the on-screen instructions.
5. Tap  → **Help** for additional information.

TripAdvisor

With the TripAdvisor, you can plan and have your perfect trip. With over 75 million reviews and opinions by travelers, it is easy to find the best hotels, restaurants, and fun things to do.

1. From the Home screen, tap  → **TripAdvisor** .
2. Sign in with your Samsung Account if you have not already done so.
3. Follow the on-screen instructions to use TripAdvisor.
4. Tap  for additional options.

Video

The Video application plays video files stored on your phone or microSD card.

1. Tap  → **Video** .

All videos that you have on your phone and memory card will be displayed.

2. Tap the video that you want to play.
The video will begin to play.
3. The following video controls are available:



Pause the video.



Start the video after being paused.



Press and hold to rewind the video. Tap to go to previous video.



Press and hold to fast-forward the video. Tap to go to next video.



Volume control.



PIP (Picture In Picture) view. The video will be played in a small window so you can use your phone for other purposes while watching the video. Double-tap screen to return to previous size.



Original size view. The video will be played in its original size.



Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.



Full-screen view. The entire screen is used, which may cause some minor distortion.



Streams the video to another device via Samsung Link.

Note: The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

For more information on downloading videos for your phone, see “*Samsung Hub*” on page 209 and see “*PC Connections*” on page 175.

Video Editor

The Video Editor allows you to cut, merge, and enhance your videos with title frames and transitions.

Note: This application is not preloaded on your phone.

1. From the Home screen, tap  → **Video Editor** .
A pop-up displays, prompting you to download the app.
2. To download Video Editor, tap **Download**.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using Wi-Fi Direct, Messaging, Gmail, or via Bluetooth. Recording time will vary based on the available memory within the phone.

1. From the Home screen, tap  → **Voice Recorder** .
2. To start recording, tap **Record**  and speak into the microphone.
3. During the recording process you can either tap **Stop**  to stop and save the recording or **Pause**  to temporarily halt the recording. After pausing, tap **Record**  to resume recording. Once the audio recording has stopped, the message is automatically saved. Tap **Cancel**  to cancel the recording without saving.
4. Tap **List**  to display a list of all your voice recordings. Tap a voice recording to play it.
5. Tap  to display the following options:
 - **Share via:** allows you to share your recording using Bluetooth, Email, Gmail, Messaging, or Wi-Fi Direct.

- **Delete:** allows you to delete 1 or more voice recordings. Tap the recordings to delete and tap **Delete**.
- **Settings:** the following settings are available:
 - **Storage:** allows you to choose where your recordings will be saved. Select between Phone or memory card.
 - **Recording quality:** allows you to set the recording quality to High or Normal.
 - **Limit for MMS:** allows you to select On or Off. If you Limit for MMS by selecting On, you will be assured that the recording can be sent in a message.
 - **Contextual filename:** (requires GPS tagging) allows you to adjust the filename based on contextual information such as your current GPS location.
 - **Default name:** allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, etc.
 - **Noise reduction:** allows you to activate/deactivate background noise suppression.

- **Recording volume:** allows you to assign the ambient noise quality of your current location so the device can better detect audio. Choose from High or Low.
- **Channel:** allows you to assign recording mode to either Mono or Stereo.
- **Skip interval:** allows you to assign a skip length.
- **End:** allows you to close the application.

Voice Search

The Google Voice Search application allows you to search the web using only your voice.

1. From the Home screen, tap  → **Voice Search** .
2. When the Google Voice Search screen displays, speak the word or words that you would like to search for on the internet.
3. If the timer expires and the mic icon changes from red to gray, tap the mic icon and speak the word or words that you would like to search for on the internet.
Results are displayed on your phone.
4. The following options are available at the bottom of your screen:

- **Web:** After selecting a different option, tap Web to return to the original search results.
- **Images:** Displays images for your search.
- **Places:** Displays places and businesses in your local area pertaining to your search.
- **MORE:** After tapping MORE, sweep your screen to the left to see additional options such as News, Shopping, Videos, Blogs, Discussions, and Books.
- **Phone:** Displays a phone number if applicable.

WatchON

With the WatchON application, you can use your phone as a remote control for your TV.

Important! Before initiating use, verify you have an active Internet connection available (either mobile network or Wi-Fi connection).

Note: Before beginning your initial WatchON application setup, confirm your TV is turned off.

Initial Configuration

1. Sign into your Samsung account.
2. From the Home screen, tap  → **WatchON** .

Note: If you are not connected to an active Wi-Fi, you may be prompted to continue the set up process via a mobile network. Click **Connect** to proceed.

3. Select your desired country for your TV Guide's source listing and tap **Next**.

4. Enter your current zip code and tap **Done**. This zip code must correspond to the location of your desired TV and set top box.
5. From the **Find your TV service** screen, select a service provider from the available channel listing.
6. From the **Choose your TV Brand** screen, tap your TV's manufacturer name.
 - If you have a brand of TV not listed or you are using a projector, select from one of the following two options. Choose from either **Other TV Brands** or **I Have a Projector**.
7. Aim your device at the TV and tap  (**Power**) to confirm the set up process completed successfully and the correct TV IR codes were selected.

Note: The process of the initial TV activation can take up to 10 seconds. Please do not press the button again.

8. If the TV turned on, tap **Yes**.

– or –

If the TV did not turn on after tapping  (**Power**) and waiting 10 seconds, tap **No** or **Retry**.

9. From the **Choose Your TV Tuner** screen, select the entry that corresponds to your current channel control method:

- **Cable/Satellite/STB/PVR/DVR:** selected when changing channels is done via a receiver box. Channels are not changed via the TV remote but rather through the receiver/box.
- **My xxx TV:** selected when a signal is fed directly into the TV and no box is used. Channels are changed directly on the TV by using the TV remote and not a box's remote.

Note: Try matching your current channel selection method.

10. Select the Satellite Box Brand from the available list. For example, DirectTV®.

- If your brand does not appear in the list, tap **Other Satellite Box Brands** and follow the on-screen instructions.

Important! You must configure your set top box for IR communication with your device. If you do not select **More Info..** below and follow the on-screen instructions you may not be able to properly use the application.

11. When prompted to Enable IR, tap **More Info..** to learn how to configure your set top box to receive and respond to IR controls.

12. Only after completing the IR setup process and programming your box, tap .

Note: This IR programming of your set top box is a one-time process and once successful should not need to be repeated.

13. If prompted to personalize your experience, follow the on-screen instructions.

Using WatchON

To change channels:

1. Sign into your Samsung account.
2. From the Home screen, tap  → **WatchON** .
3. From the top of the main screen, tap  (**Remote Control**). This launches an on-screen set of remote control tabs. Choose from one of the following:
 - **Easy remote**: provides the most common used control features. Scroll down to view additional functions.
 - **[Set top box]**: displays customized control specific to your configured set top box. Ex: satellite dish remote control functions.
 - **TV**: provides access to control functions specific to your TV.
4. From the top of the main screen tap  (**Select Room**) to choose from different receivers/boxes in different rooms. (Example: Living Room box, Bedroom box, etc.).
5. Tap  to return to the main menu.

Locating your favorite programming:

1. Sign into your Samsung account.
2. From the Home screen, tap  → **WatchON** .
3. From the main screen Tap  (**Combined View**) to reveal available media categories.
4. Select an available category.
— or —
Tap **Guide** to display on your TV an on-screen listing of available set top box shows.

For additional information on the WatchON application, tap  and then select **Help**.

WatchOn Settings

1. From the Home screen, tap  → **WatchON** .
2. Tap  and then select an available on-screen option:
 - **Change Room:** allows you to select a previously configured room.
 - **Settings:** provides access to the Samsung WatchOn settings menu.
 - **Help:** displays on-screen help information.
 - **About:** displays on-screen information about the application.

Personalize WatchON

You can personalize your application to do things such as show content only from your selected media categories, or add an additional room's set top box.

To configure your Just for you settings:

The Just for you option displays available content matching your activated media categories. These categories can be configured during your initial set up or at any later time.

1. Sign into your Samsung account.
2. From the Home screen, tap  → **WatchON** .
3. From the main screen Tap   (**Combined View**) → **Just for you**.
4. From the **On TV** tab, tap  and then select **Settings**.
5. Access parameters such as **Basic info**, **Genres** and **Sports** to then configure and enable those parameters you would like to show in the Just for you tab.

To add a new room:

Your device can be used to control boxes/receivers from several rooms. You could go from controlling your set top box in your living room and then move into your bedroom to do the same.

1. Sign into your Samsung account.
2. From the Home screen, tap  → **WatchON** .
3. From the **On TV** tab, tap  → **Settings** → **Add room**.
4. Name the new room and tap **Next**.
5. Enter your current zip code and tap **Done**. This zip code must correspond to the location of your desired TV and set top box.
6. Follow steps 4-10 starting on page 219 to complete the process.

YouTube

YouTube™ is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

Note: YouTube is a data-intensive feature. It is recommended that you upgrade to a large data plan to avoid additional data charges.

1. From the Home screen, tap  → **YouTube** .
2. At the You Tube introduction screen, tap **OK**.
3. Tap the search field  to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.
4. To view a video, tap an available preview thumbnail or tap the title link.

To watch a high quality video:

- Tap  → **Settings** → **General** → **High quality on mobile**.

To configure YouTube Settings:

- Tap  → **Settings** and configure the following parameters:

- **General**

- **High quality on mobile**, when enabled, allows you to start all videos in high quality mode while you are connected to a mobile network.
- **Caption font size** allows you to set the font size used by on-screen captions. Choose from: Small, Medium, Large, or Huge.
- **Uploads** specifies network preferences for uploads.
- **Content localization** allows you to prioritize channels and videos from a specific country or region.
- **Improve YouTube** allows you to anonymously send YouTube information to help improve the application.

- **Channel Feed Content**

- Sets the content that you want to appear within your channel feed. All activity is the default option.

- **Search**

- **Clear search history** allows you to clear previous YouTube searches from showing up in the YouTube search box.
- **Never remember history** allows you to force YouTube to never store search history information.
- **SafeSearch filtering** allows you to configure block settings for videos containing restricted content. This option blocks these videos from appearing within your search results. Choose from: Don't filter, Moderate, or Strict blocking.

- **Preloading**

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

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

- **About**

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

Note: It is not necessary to sign in to the YouTube site to view content. However, if you wish to sign in to access additional options, access the page via the Web browser and tap **Sign in** at the top right corner, enter your YouTube or Google username and password, and tap **Sign in**.

YPmobile

The Yellowpages Mobile application provides quick and ready access to businesses, map locations, and storage of your favorite searches. This application allows you to tap into local businesses, locations, and events, connecting you to your search in real-time.

Note: The first time you use YP, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update** or **Install** then follow the on-screen instructions. For more information, refer to “*Play Store*” on page 204.

1. From the Home screen, tap  → **YPmobile** .
2. Sign on to your Google account if you have not already done so. For more information, refer to “*Creating a New Google Account*” on page 14.
3. Read the End-User License Agreement (EULA) and tap **Accept** to continue.
4. Your location is found using GPS. Tap **OK** to allow YPmobile to use your current location.
5. Tap the **Find a business nearby!** field.

6. Enter information in the **What:** and **Near:** fields and tap **Search**.
7. Results will be displayed.
8. Tap  (**Map**) to see the locations marked with pins on the map.
9. Pinch the map screen inwards to zoom out or pinch it outwards to zoom in.
10. Tap a pin to read information about the location.
11. Tap  to display additional options.

Section 11: Health and Safety Information

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

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

Exposure to Radio Frequency (RF) Signals

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

Do cell phones pose a health hazard?

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

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

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

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

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

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

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

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

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

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

Interphone Study

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

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a

slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at

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

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

International Cohort Study on Mobile Phone Users (COSMOS)

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

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

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

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

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

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

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

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

Cell Phone Industry Actions

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

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

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

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

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

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

Hands-Free Kits

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

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

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

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

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

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

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

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

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

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

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

Specific Absorption Rate (SAR) Certification Information

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

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

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

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

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

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This [mobile phone/tablet/device] has a FCC ID number: A3LSMC105A [Model Number: SM-C105A] 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 phones can be accessed online on the FCC's website through <http://transition.fcc.gov/oet/rfsafety/sar.html>. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at <http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones>.

FCC Part 15 Information to User

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

This device complies with part 15 of the FCC Rules.

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

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving On the Road - Off the Phone

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

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

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

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

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

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

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

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

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

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

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

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

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.** Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.

- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source.** Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire.** The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery.** Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.

- **Avoid dropping the cell phone.** Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**
- **Do not allow the battery to touch metal objects.** Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

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

WARNING!

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

- **Do not use incompatible cell phone batteries and chargers.**

Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.

- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

Samsung Mobile Products and Recycling

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

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

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:

http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at:

<http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm> or at <http://www.call2recycle.org/>.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to

<http://fun.samsungmobileusa.com/recycling/index.jsp>.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

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

UL Certified Travel Charger

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

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

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

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

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

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

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

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

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

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

GPS

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

Even with GPS, when you make an emergency call:

- Always tell the emergency responder your location to the best of your ability; and

- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

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

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to

make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. From the Home screen, tap . The dialer is displayed.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number).
Emergency numbers vary by location.
4. Tap the  key.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device

may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

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

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

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

Microwaves

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

Dust and dirt

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

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

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](http://www.cdc.gov/niosh/topics/noise/default.html)

1-888-232-6348 TTY

Operating Environment

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

Using Your Mobile Device Near Other Electronic Devices

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

Implantable Medical Devices

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

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

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

Other Medical Devices

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

Vehicles

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

Posted Facilities

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

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion

or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

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

When your Device is Wet

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

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not

be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

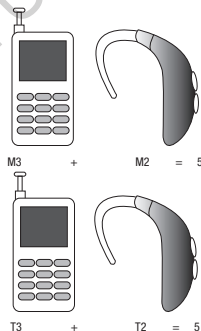
Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a

hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

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

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

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.

- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 12: Warranty Information

Standard Limited Warranty

What is covered and for how long?

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

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

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

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

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the

remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

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

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

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

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

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

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE

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

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

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

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

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

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

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

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

Precautions for Transfer and Disposal

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

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

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082
Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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

With the “Automatic Update” function enabled (as in the default setting in the System Update menu in the Setting), your device downloads some Updates automatically from time to time. Your device will, however, ask for your consent before installing any Update. If you choose to disable the “Automatic Update” function, then you can check the availability of new Updates by clicking on the “Check Update” menu in the Setting. We recommend that you check availability of any new Updates periodically for optimal use of your device. If you want to avoid any use of network data for the Update downloads, then you should choose the “Wi-Fi Only” option in the Setting. (Regardless of the option you choose, the “Automatic Update” function downloads Updates only through Wi-Fi connection.)

6. Some features of the Software may require your device to have access to the internet and may be subject to restrictions imposed by your network or internet provider. Unless your device is connected to the internet through Wi-Fi connection, the Software will access through your mobile

network, which may result in additional charges depending on your payment plan. In addition, your enjoyment of some features of the Software may be affected by the suitability and performance of your device hardware or data access.

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