Samsung GALAXY S 4

S G H - I 3 3 7 M

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

User Manual

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

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Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard**™ in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.
- t also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

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This Class B digital apparatus complies with Canadian ICES-003.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

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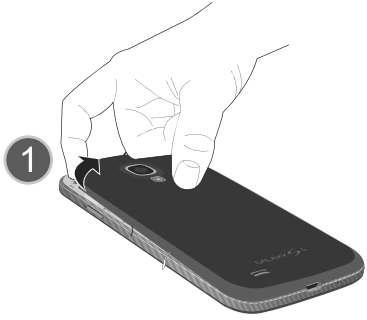
Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

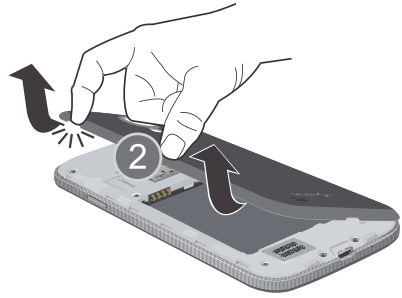
Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the back cover by inserting a fingernail into the slot on the top of your phone (1).



2. Lift the cover up (2) and to the right of the phone.



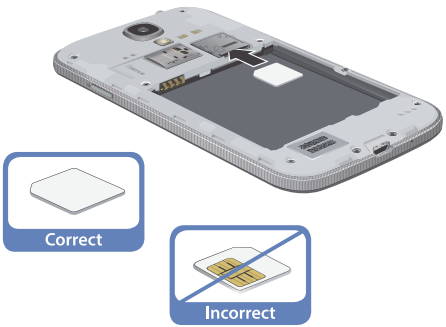
Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important! The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

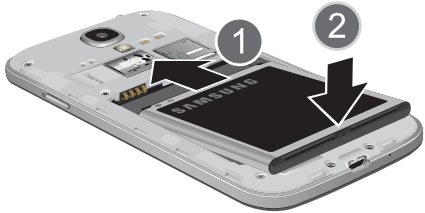
- Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.
  - Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.



Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).



Removing and Installing the Memory Card

You can use a microSD™ (SD) or microSDHC™ card to expand available memory space if you desire. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This type of memory card is designed for use with this mobile phone and other devices.

Note: Your phone has been tested to support up to a 64GB memory card.

Installing the Memory Card

- Push the microSD card into the slot until it clicks (as shown).
  - Make sure the microSD's gold contact pins face downward and the card is securely inserted.

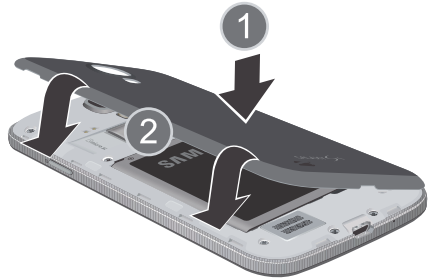
For more information on Memory Cards, see *"Memory Card"* on page 41.

Removing the Memory Card

1. Push on the memory card until it clicks and is released.
2. Grasp the memory card and remove it from the phone.

Installing the Back Cover

1. Place the battery cover onto the back of the phone (1) and press down (2).



2. Press along the edge of the back cover (3) until you have a secure seal.

Note: Make sure the battery is properly installed before switching on the phone.

Charging a Battery

Your device is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Note: Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so will require additional charging time.

Using the Travel Charger

Important! Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

1. Plug the flat end of the Travel Charger into the Power/ Accessory Interface connector and the other end into a standard AC wall outlet.
2. When charging is finished, remove the flat end from the interface connector jack on the phone.

Warning! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

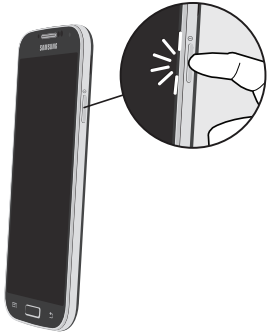
When the battery level becomes too low, the phone automatically turns off.

You can also choose to display a percentage value. Having a percentage value on-screen can provide a better idea of the remaining charge on the battery.

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

Switching the Phone On or Off

1. Press and hold ⏻ until the phone switches on.



2. Swipe your finger across the screen to unlock the phone.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Language and input"* on page 128.

3. To switch off the phone, press and hold ⏻, until the **Device options** screen displays.
4. Tap **Power off** to switch off the phone.
5. At the **Power off** prompt, tap **OK**.

Locking and Unlocking the Touch Screen

1. Press ⏻ to lock the touch screen.
2. Press ⏻ again to display the lock screen then swipe your finger across the screen to unlock.

Note: Note: Swipe is the default screen locking method. To change your screen lock, see *"Lock Screen Settings"* on page 114.

Configuring your Phone

When you first turn on your phone, you will need to set up a few things.

1. The **Welcome!** screen displays. The default language for your phone is English. If you would like to select another language, tap **English** and scroll up or down to select one of the listed languages.
2. If you are visually impaired or hard of hearing, tap **Accessibility** to change the accessibility settings.
3. Tap **Next**.
4. At the **Wi-Fi** screen, set up a Wi-Fi connection if you would like to do that now. For more information, refer to *"Wi-Fi"* on page 154.
5. Tap **Next**.
6. At the **Samsung account** display, tap Create a new account if you don't have one yet or tap Sign in if you have already set up your Samsung account. For more information, refer to *"Creating a Samsung Account"* on page 8.
7. At the **Got Google?** display, tap **Yes** if you already have a Google account or **No** if you do not.
8. Follow the on-screen instructions to create a new Google account or sign in to an existing account.

   If you want to wait until later to create a Google account, tap **Not now**.

Note: In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, you will have access to more Google applications and applications will always be in sync between your phone and computer.

9. At the **Google & location** screen, a blue checkmark displays next to the text that explains that you allow Google's location service to collect anonymous location data from your phone. If you disagree, tap the checkmark to remove it.
10. A blue checkmark also displays next to the text that explains that you allows your location to be used for Google search results and other Google services. If you disagree, tap the checkmark to remove it. Tap the **Next** icon .

11. At the **This phone belongs to...** display, enter your **First** and **Last** names in the provided fields so that your phone can personalize some applications. Tap or **Done**.
12. At the **Dropbox** screen, tap **Create a new account** if you don't have one yet or tap **Sign in** if you have already set up your Dropbox account. For more information see *"Dropbox"* on page 167.
13. At the **Learn about key features** display, tap each function to learn more about them.
14. Tap **Next**.
15. At the **Thank you** screen, enter a device name (optional) and tap **Finish** to complete your setup.

    The main Home screen displays.

Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as ChatON and AllShare Play. If you did not create a Samsung account when you first set up your phone, follow these steps:

1. From the home screen, tap ➔ **Settings** ➔

Accounts ➔ **Add account**.
2. Tap **Samsung account**.
3. Tap **Create new account**.
4. Enter the required information and tap **Sign up**.
5. At the Welcome screen, tap **Next**.
6. Follow the on-screen instructions to verify your email address and activate your account.

Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

If you did not create a new account during the setup procedure when you first turned your phone on, follow these steps:

1. From the Home screen, tap → **Gmail** .
   The **Add a Google Account** screen displays.
2. Tap **New** to create a new Google account.
   – or –
   If you already have a Google account, tap **Existing** to sign in and add the account to your phone.
3. Follow the on-screen instructions to add a Google Account.

Note: Once you have created a Google account, you only need to sign in.

Retrieving your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From a computer, use an Internet browser and navigate to http://google.com/accounts.
2. Click on the **Can't access your account?** link.
3. Tap the **I don't know my password** radio button.
4. Enter your Email address and click **Continue**.
5. Follow the password recovery procedure.

Setting Up Your Voice Mail

1. From the Home screen, tap , then tap .
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, tap , then tap . You may be prompted to enter a password.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password.

Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

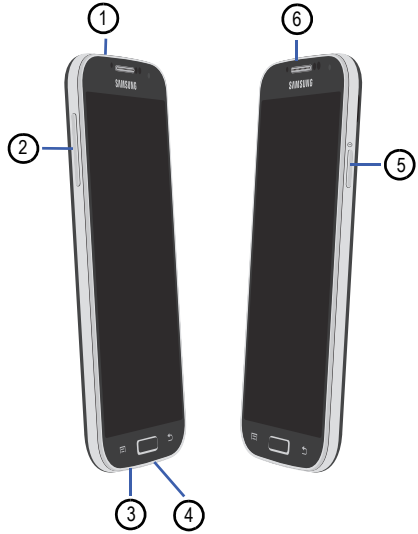
- LTE network (5-6 bands) with 1.9 gigahertz quad-core processor
- Android v 4.2.2, Jelly Bean Platform
- Brilliant 4.99" Full HD Super AMOLED display
- Touch screen provides quick response to in-phone menus and options including applications, multi-windows and up to seven home screens
- Virtual (on-screen) QWERTY keyboard
- Ready access to the Internet
- Built-in Bluetooth and advanced Wi-Fi® technology
- Mobile Hotspot and USB Tethering capability
- Smart Remote using WatchON
- 13 Megapixel camera and camcorder with 2 Megapixel Front Facing camera
- GPS Navigation functionality provides real-time navigation
- HSDPA 7.2 mbps high speed download capability
- Up to 64GB expandable memory slot
- 16 GB memory and 2 GB RAM
- Corporate and Personal Email
- Sync and update social network applications
- Over 650,000 Apps available to download via Google Play Store™ and Samsung Hub
- Access to Movies and TV Shows with Samsung Hub
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple Messaging Options: Text/Picture/Video Messaging, and Instant Messaging with Google Talk™
- DivX Certified® to play DivX® video up to HD 720p, including premium content
- Samsung Link to share media content with DLNA certified devices

Front View of Your Phone

1. **Status light**: displays red when charging, green when fully charged, blue when powering up, and orange when a notification has arrived.
2. **Light (RGB) Sensor:** lets you use the ambient light level to adjust the screen brightness/contrast. This sensor decreases screen brightness in dim light.
3. **External speaker**: allows you to hear the caller.
4. **Application icons**: you can place shortcuts to your favorite applications on the Home screen.
5. **Primary shortcuts**: allows quick access to important features such as Phone, Contacts, Messaging, Internet, and Apps. For more information, refer to *"Primary Shortcuts"* on page 15.
6. **Menu key**: allows you to access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.
7. **Home key**: allows you to return to the main Home screen from any Home screen or menu. Press and hold to display Recent apps, Task Manager, and Google Search. Quickly press twice to activate the S Voice application.

8. **Back key**: allows you step backwards when navigating a menu or web page.
9. **Home screen indicator**: shows which Home screen is presently displayed.
10. **Google Quick Search bar**: a shortcut to Google Search that allows you to search for items on the internet.
11. **Weather widget**: displays Time, Day, Date, Temperature and weather conditions for your area.
12. **Indicator icons**: shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, etc.
13. **Front facing camera**: allows you to take pictures of yourself when you set the camera shooting mode to Self shot.
14. **Proximity and Light sensors**: uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.

Side Views of Your Phone



1. **3.5mm Headset jack**: allows you to plug in headphones.
2. **Volume keys**: allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key ( ) to mute the ring tone. Adjusts text size when reading a message.
3. **Microphone**: allows other callers to hear you when you are speaking to them. It is also used for the Speakerphone.
4. **Power/Accessory Interface connector**: allows you to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
5. **Power/Lock key**: ( ) lets you power your phone on and off. Also allows you to lock or unlock the touch screen. For more information on locking your phone, see *"Locking and Unlocking the Phone"* on page 27.
6. **Microphone**: used for noise cancellation and stereo recording.

Rear View of Your Phone

1. **Camera lens**: is used to take pictures and shoot videos.
2. **External speaker**: allows you to hear when the Speakerphone is turned on.
3. **Flash**: is used to provide extra light when taking pictures in dark places.

Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to *"Front View of Your Phone"* on page 12.

Primary Shortcuts

There are four non-movable Application Shortcuts that appear at the bottom of all Home screens. The default shortcuts are:

- **Phone** for dialing a number.
- **Contacts** for managing your daily contacts in your Address Book.
- **Messaging** for creating and viewing Messages.
- **Internet** for surfing the Internet.
- **Apps** for accessing the applications on your phone.

You can change the Phone, Messaging, S Note, and Internet application shortcuts to any icon that is displayed in the Apps menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 35.

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Flight Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when your phone is in Blocking mode.

Displays when there is a system error or alert.

Displays to indicate a security warning. You are prompted to set a screen lock password.

Displays when a call is in progress.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call has been missed.

Displays when a call has been muted.

Displays when Call forwarding is set to Always forward. For more information, refer to *"Call forwarding"* on page 54.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Low – Shows your current battery only has between 15 and 28 percent power remaining.

Device Power Very Low – Shows your current battery only has between 5 and 15 percent power remaining.

Device Power Critical – Shows your current battery only has less than 5 percent power remaining and will immediately shutdown.

Displays when your connection to an EDGE network is active.

Displays when your phone is communicating with the EDGE network.

Displays when your connection to a UTMS network is active.

Displays when your phone is communicating with a UTMS network.

Displays when your connection to an HSDPA, HSPA, or HSPA+ network is active.

Displays when your phone is communicating with the HSDPA, HSPA, or HSPA+ network.

Displays when your connection to a 4G LTE network is active.

Displays when your phone is communicating with a 4G LTE network.

Displays when your phone is downloading or has downloaded a file.

Displays when the an outbound file transfer is in progress.

Displays when a Play Store download has completed.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new voice mail is received.

Displays when Email is received.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *"S Planner"* on page 178.

Displays when you set an alarm to ring at a specified time. For more information, refer to *"Alarm"* on page 163.

Displays when the Sound profile is set to Mute.

Displays when the Sound profile is set to Vibrate.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

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 Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone as been configured as a portable Wi-Fi hotspot.

Displays when GPS is active and acquiring a signal.

Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when your phone is connecting to the Device Management server when you first turn on your phone.

Displays when Near Field Communication (NFC) has been activated.

Displays when your device is being used to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified device using the Samsung Link application.

Displays when a file is being uploaded or sync'd between your device and an external Web storage location.

Displays when the uploaded or transferred file was successfully delivered.

Displays when a screen capture has been taken.

Displays when the keypad is active.

Displays when an emergency call is taking place.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 105.

Application Icons

The Apps menu provides quick access to the items you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Apps icons, see *"Navigating Through the Application Menus"* on page 28.

1. From the Home screen, tap , then tap one of the application icons.
2. Follow the on-screen instructions.
3. To return to the main Home screen, tap .

The following applications are available:

Calculator: Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to *"Calculator"* on page 162.

Camera: Use your 8.0 megapixel camera feature to produce photos and videos. For more information, refer to *"Camera"* on page 84.

ChatON: With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can also chat in groups. For more information, refer to *"ChatON"* on page 163.

Chrome: The Google Chrome app allows you to use the Google Chrome web browser on your camera. For more information, refer to *"Chrome"* on page 163.

Clock: The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and setup a Desk Clock. For more information, refer to *"Clock"* on page 163.

Contacts: You can manage your daily contacts by storing their name and number in your Address Book. For more information, refer to *"Contacts and Your Address Book"* on page 60.

Downloads: The Downloads application allows you to manage all of your downloads from the Play Store and the Browser. For more information, refer to *"Downloads"* on page 166.

Dropbox: Dropbox lets you synchronize files between your phone, computers, and the Dropbox website. For more information, refer to *"Dropbox"* on page 167.

Email: Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 99.

Flipboard: This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. For more information, refer to *"Flipboard"* on page 167.

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 81.

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 101.

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, see *"Google Search Bar"* on page 25.

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 103.

Group Play: Group Play allows you to share pictures, music, and documents in real-time with your friends. For more information, refer to *"Group Play"* on page 168.

Help: The Help application allows you to get more information on your phone features, applications, settings, accessories, and access to online help. For more information, refer to *"Help"* on page 169.

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 *"Internet"* on page 148.

Local: Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and more. You can also add your own locations. For more information, refer to *"Local"* on page 170.

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. For more information, refer to *"Maps"* on page 170.

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 103.

Music: Music allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music"* on page 76.

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. For more information, refer to *"My Files"* on page 171.

Navigation: Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination. For more information, refer to *"Navigation"* on page 172.

Optical Reader: The Photo reader allows you to use your camera to identify text and extract useful information. For more information, refer to *"Optical Reader"* on page 173.

Phone: Allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 43.

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. For more information, refer to *"Play Books"* on page 174.

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. For more information, refer to *"Play Magazines"* on page 174.

Play Movies: With Google Play Movies, you can rent thousands of different movies. You can watch instantly, or download your movie for offline viewing at a later time. For more information, refer to *"Play Movies"* on page 81.

Play Music: With the Music application, while online, 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. For more information, refer to *"Google Play Music"* on page 79.

Play Store: The Play Store provides access to downloadable applications and games to install on your phone. For more information, refer to *"Play Store"* on page 175.

Polaris Office 5: Polaris® Office 5 is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline. For more information, refer to *"Polaris Office 5"* on page 175.

S Health: S Health is a wellness application that allows you to better manage your health by providing you with relevant information. For more information, refer to *"S Health"* on page 175.

S Memo: Use this application to create memos using existing templates or your own design. You can use handwriting or the keyboard to enter text. For more information, refer to *"S Memo"* on page 176.

S Planner: With the S Planner application, you can consult the calendar by day, week, month, year, create events, and set an alarm to act as a reminder, if necessary. For more information, refer to *"S Planner"* on page 178.

S Translator: With the S Translator you can easily translate words and phrases into many different languages. For more information, refer to *"S Translator"* on page 179.

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. For more information, refer to *"S Voice"* on page 179.

Samsung Apps: Samsung Apps allows you to easily download many different types of applications to your phone. You can download games, news, reference, social networking, navigation, and other applications. For more information, refer to *"Samsung Apps"* on page 180.

Samsung Hub: Samsung Hub is Samsung's integrated store for media content that offers a comprehensive and consistent media service experience. You can browse and purchase all media content within a single store front. For more information, refer to *"Samsung Hub"* on page 180.

Samsung Link: With the Samsung Link app, you can share and play content across smart devices anytime and anywhere. For more information, refer to *"Samsung Link"* on page 181.

Settings: This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 105.

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. For more information, refer to *"Story Album"* on page 181.

Talk: Google Talk 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 *"Google Talk"* on page 102.

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. For more information, refer to *"TripAdvisor"* on page 181.

Video: The Video application plays video files stored on your microSD card. For more information, refer to *"Video"* on page 181.

Voice Recorder: The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message. For more information, refer to *"Voice Recorder"* on page 182.

Voice Search: The Google Voice Search application allows you to search the web using only your voice. For more information, refer to *"Voice Search"* on page 183.

WatchON: With the Samsung WatchON application, you can use your phone as a remote control for your TV. For more information, refer to *"Settings"* on page 181.

YouTube: YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format. For more information, refer to *"YouTube"* on page 186.

Tip: To open applications quickly, add the icons of frequently-used applications to the Home screen or to the folders you created. For details, see *"Customizing Your Home Screen"* on page 34.

Google Search Bar

The Google Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the main home screen, tap the Google Search bar

.
2. Use the on-screen keypad to enter the item you want to search for, then tap .
3. Tap to use Google Voice Search. Follow the on-screen instructions.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus. Your phone originally has three home screens but you can expand up to seven home screens.

Command Keys

Menu Key

Press **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press **Home** to display the main Home screen. Press and hold to display recently used apps and access the Task manager.

Back Key

Press **Back** to return to the previous screen, option or step.

Terms used in this user manual

Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

Touch and Hold

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

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

Swipe and Palm Swipe

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

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

Panning

To pan, touch and hold a selected icon, then move the device to the left or right to reposition it to another page. You must first activate Motion on your device. Use panning to:

- Move icons on your Home screens or Application Menus to another page.

Tilt

To activate the tilt feature, press and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

Turn over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

Using Motions and Gestures

By activating the various motion and gesture features, you can access a variety of time saving functions.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap **Apps** ➔ **Settings** ➔ **My device** ➔ **Motions and gestures**. When tapped, each entry comes with an on-screen tutorial.

- **Air gesture**: Allows you to control your device by performing motions above the sensor (without touching the device).
- **Motion**: Allows you to control your device using natural movements (on the screen).
- **Palm motion**: Allows you to control your device by touching the screen with your entire hand.
- **Gyroscope calibration**: Allows you to properly calibrate your device's touch screen.

To activate Air gesture:

1. From the Home screen, press and then tap **Settings** ➔ **My device** ➔ **Motions and gestures** ➔ **Air gesture**.

2. Tap the ON/OFF slider located to the right of **Air gesture** to turn it on .
   The Air gesture icon will appear in the status bar.
3. Read the on-screen notification and tap **OK**.

Note: At least one feature must be activated before Air gesture can be activated.

4. Tap **Learn about the sensor and icon** field to review on-screen information about the Air gestures sensor and related icon.
5. Tap the ON/OFF slider located to the right of each feature to turn it on .

To activate Motion:

1. From the Home screen, press and then tap **Settings** ➔ **My device** ➔ **Motions and gestures**.
2. Tap the ON/OFF slider located to the right of **Motion** to turn it on .
3. Read the on-screen notification and tap **OK**.

Note: At least one feature must be activated before Motion can be activated.

4. Tap the ON/OFF slider located to the right of each feature to turn it on .

To activate Palm Motion:

1. From the Home screen, press and then tap **Settings** ➔ **My device** ➔ **Motions and gestures**.
2. In a single motion touch and slide the **Palm motion** slider to the right to turn it on.
3. Read the on-screen notification and tap **OK**.

Note: At least one feature must be activated before Palm motion can be activated.

4. Tap the ON/OFF slider located to the right of each feature to turn it on .

For more information, refer to *"Motions and Gestures"* on page 132.

Locking and Unlocking the Phone

To unlock your phone:

1. Press the lock button [redacted] located on the upper right side of your phone.
2. The lock screen will display with **Swipe screen to unlock** displayed at the bottom of the screen.
3. Swipe the touch screen in any direction.
4. The Home screen will be displayed.

Note: There are several additional ways you can lock your screen. For more information, refer to *"Security"* on page 138.

Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing [redacted].

Navigating Through the Home Screens

Your phone originally has three home screens but you can expand up to seven home screens. If you like, you can place different applications on each of the home screens.

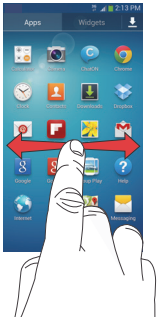
- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with a Home screen on each side.

Navigating Through the Application Menus

Your phone initially has three Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap [redacted] The first Application Menu will be displayed.
2. Sweep the screen left or right to access the other two menus.

3. Tap one of the application icons.



Note: As you add applications, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Internet.

To access a sub-menu:

1. Press .

A sub-menu will appear at the bottom of the phone screen.

2. Tap an option.

Accessing Recently-Used Apps

1. Press and hold from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

– or –

Tap to go to the Task manager.

– or –

Tap to go to Google Search.

– or –

Tap to delete the record of all recently used applications.

Using the Multi Window

This feature allows you to run multiple applications on the current screen at the same time.

Note: Only applications found within the Multi window panel can be active atop another current application on the screen. When launching applications that contain multimedia files (music/video), audio from both files will be played simultaneously.

Activating and Deactivating Multi window

To activate Multi window:

1. Press and hold the **Back** key ( ). The Multi window tab appears (by default) on the left side of the screen.

Note: Initially open activation, the entire apps panel is briefly displayed, then minimized to only show the tab.

2. Tap the tab to open the application panel showing all the available Multi window apps.

To deactivate Multi window:

- Press and hold the **Back** key ( ). This action hides the Multi window tab from view.

Repositioning the Multi Window

The Multi window contains two components: tab and apps panel. The tab can be manually moved across the screen. The apps panel (containing the scrollable apps) can be relocated to lock onto the different sides of the screen (top/bottom/left/right).

To move the tab:

1. Activate the Multi window feature.
2. In a single motion, touch and hold the tab for approximately one second, then slowly drag it to its new location **along the current** screen edge.

Note: This is a quick way to get the tab out of the way if you can't get to a button or option behind it.

To relocate the Multi window apps panel:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).

Note: Notice that when the apps are visible, the tab turns a dark grey. Its only in this state that the entire panel can be relocated.

3. In a single motion, touch and hold the tab for approximately one-second to detach it from the screen (1), then slowly drag it to its new location **along any other** available screen edge (2). You can move it to the top, bottom, or either side.

Customizing the Multi Window apps

The applications found within the apps panel of the Multi window can be organized by either being rearranged or removed.

To rearrange the Multi window applications:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. In a single motion, touch and hold a desired app until it detaches from the panel, then carefully drag it to a new location in the list of apps. Lift your finger or stylus off the screen to let go of the app and drop it into its new location.

To remove a Multi window application:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. Tap the **Edit** button (located at the bottom of the list) to reveal a staging area that can house any removed applications from the Multi window panel.
4. Tap **Done** once you have completed the removal process.

To restore a Multi window application:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. Tap the **Edit** button (located at the bottom of the list) to reveal the staging area containing any previously removed apps.
4. Locate the desired application.
5. In a single motion, touch and hold a desired app until it detaches from the staging area, then carefully drag it to a new location in the current list of apps.

Using Multi Window to run multiple apps on the same screen

Any of the apps found within the Multi window panel can be run at the same time as a current on-screen app.

Once multiple apps are running on the same screen, you can then choose to either swap their positions or maximize a desired app.

Note: Only applications found within the Multi-window panel can be active atop another current application on the screen.

When launching applications that contain multimedia files (music/video), audio from both files will be played simultaneously.

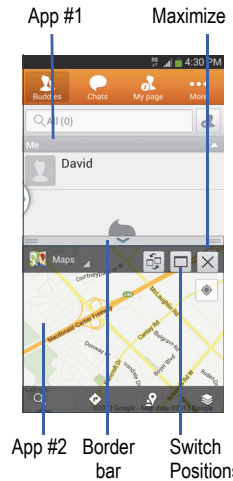
In this example we will be launching both the Internet and Maps applications.

1. Launch an application such as Maps.
   - From the Home screen, tap **Internet**.
2. Activate the Multi window feature.
3. Tap the tab to display the apps panel.
4. Touch and hold the desired app, such as Maps, until it detaches from the panel.
5. In a single motion, drag it over the current app and drop the new Multi window app over either the top or bottom area of the current on-screen app.

Note: Once two applications are running, the device displays a split screen view containing both the initial app and the new Multi window app. Each application is still independent of the other.

To switch the arrangement of the applications:

1. With the two applications shown in a split screen, tap the Border bar to show the on-screen icons.
2. Tap the desired application area (top or bottom).
3. Locate and tap (**Switch app location**). The current apps are switched.



To increase the size of a desired application window:

1. With the two applications shown in a split screen, locate the Border bar indicating the edge of the app window.
2. In a single motion, touch and hold the Border bar then drag it to resize the desired window.

To split the current applications:

1. With the two applications shown in a split screen, tap the Border bar to show the on-screen icons.
2. Tap the desired application area (top or bottom).
3. Locate and tap (**Maximize the app**). The current apps are the both maximized.

■ To exit the Multi window app, tap .

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Creating Shortcuts
- Adding and Removing Primary Shortcuts
- Adding and Removing Widgets
- Moving Icons in the Apps Menu
- Creating Application Folders
- Adding a New Page to the Application Menu
- Changing the Wallpaper
- Adding and Deleting Home Screens
- Moving Home Screens

Creating Shortcuts

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

Note: To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.

Adding a shortcut from the Apps Menu

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Tap to display your current applications.
4. Scroll through the list and locate your desired application.
5. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the **Apps** tab.

6. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Adding a shortcut via the Add to Home screen

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the Home screen.
4. Tap **Apps and widgets**, **Folder**, or **Page**.
5. Press and hold a shortcut from the available list and position it on the current screen.

Deleting a shortcut

1. Press to activate the main Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the **Remove** icon and release it. As you place the shortcut into the Trash, both items turn red.

Note: This action does not delete the shortcut, it just removes it from the current screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

1. Press to activate the main Home screen.
2. Touch and hold the primary shortcut you want to replace, then drag it to an empty space on any Home screen.
3. Scroll through the App menu to find the shortcut you want to add as the new primary short cut.
4. Touch and hold the new shortcut, then drag it to the empty space in the row of primary shortcuts.

   The new primary shortcut will now appear on all Home screens.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an on-screen application.

Adding a Widget

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.

3. Touch and hold on an empty area of the screen.
4. Tap **Apps and widgets**.
5. Tap the **Widgets** tab at the top of the screen.
6. Press and hold an available Widget to position it on the current screen, then release the Widget.

Removing a Widget

1. Touch and hold a Widget until you can move it around on the screen.
2. Drag the Widget up to the **Remove** icon and release it.

   As you place the Widget into the Trash, both items turn red.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

Moving Icons in the Apps Menu

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **View type**.
5. Tap **Customizable grid**. A green circle will appear next to the option.
6. Press and tap **Edit**.
7. Scroll through the list and locate the icon you wish to move.
8. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
9. Tap **Save**.
10. Press to return to the Home screen.

Creating Application Folders

You can create application folders to hold similar applications if you wish.

To create a folder follow these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **Edit**.

5. Touch and hold the first application that you would like to move to a folder.
6. Drag the icon up to the **Create folder** icon.
7. Enter a folder name and tap **OK**.

   A folder is displayed in the original place of the application icon with the application icon displayed on top of it. You can now drag other Apps into the folder.
8. To view information on an App, drag the App icon up to the App info icon to view information on the application.
9. Tap **Save**.

Adding a New Page to the Application Menu

You can add a new page to your application menu by following these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **Edit**.
5. Touch and hold the first application that you would like to move to a new page.
6. Drag the icon up to the **Create page** icon.
7. Tap **Save**.

   The app will appear on a new page.

Changing the Wallpaper

You can change the Wallpaper (background) of your home screens by following these steps:

1. From any Home screen, touch and hold on an empty area of the screen.

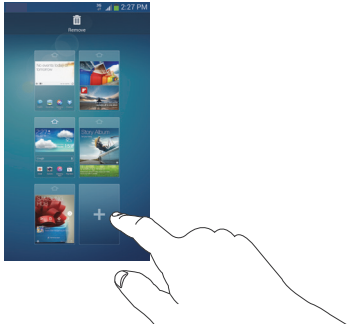
   The **Home screen** window is displayed.
2. Tap **Set wallpaper**.
3. Select the location where you would like to change the wallpaper. Tap **Home screen**, **Lock screen**, or **Home and lock screens**.
4. Tap one of the following options:
   - **Gallery**: select a wallpaper from photographs you have taken with your camera.
   - **Live wallpapers**: select an animated wallpaper. This option is not available for the Lock screen option.
   - **Wallpapers**: select from many still-life wallpapers.
5. Select a wallpaper and tap **Set wallpaper**, **Done**, or **Cancel**.

Adding and Deleting Home Screens

You can add and delete Home screens. You can have up to seven Home screens.

To add a new Home screen:

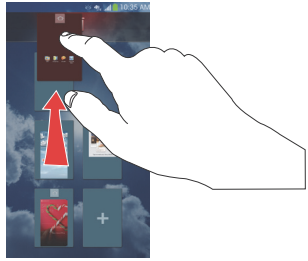
1. Press [Home] to activate the main Home screen.
2. Press [Menu] and tap **Edit page**.
3. Tap the Home screen that contains [+].
   A new screen is added.
4. If desired, touch and hold the new screen and drag it to a different location.



5. Press [Home] to return to the main Home screen.
   You can now add items to your new Home screen.

To delete a Home screen:

1. Press [Home] to activate the main Home screen.
2. Press [Menu] and tap **Edit page**.
3. Touch and hold the Home screen you want to delete.
4. Drag it to the trash can located at the bottom of the screen. The page will turn red.



5. If there are items on the Home screen that you want to delete, the **Delete home screen page** prompt is displayed.
6. Tap **OK** to delete the page and its contents, otherwise tap **Cancel**.

7. Press [Home] to return to the main Home screen.

Moving Home Screens

You can arrange your Home screens in any order that you want.

To move a Home screen, follow these steps:

1. Press [Home] to activate the main Home screen.
2. Press [Menu] and tap **Edit page**.
3. Touch and hold the Home screen you want to move.

4. Drag it to the location that you would like to place it.

   In this example, the Dual clock app screen is moved to the last position.

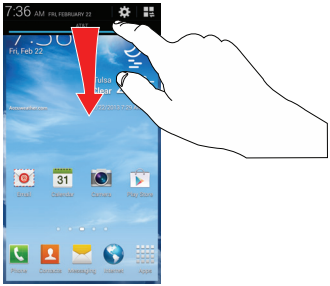
When you move a Home screen, the other Home screens are be re-ordered automatically.

5. Press [Home] to return to the main Home screen.

Notification Bar

The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts. To display the Status indicator:

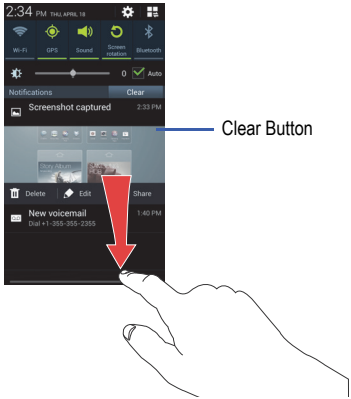
- On the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



Clearing Notifications

To clear all notifications from the Notification panel:

1. From the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



2. Tap the **Clear** button.

   The notifications are cleared and the panel closes.

Accessing Additional Panel Functions

In addition to notifications, the Notification panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off. You can choose the functions that will be displayed.

1. From the notification panel, tap to display additional options.

The following functions (default) can either be activated (green) or deactivated (gray): Wi-Fi, GPS, Sound, Screen rotation, Bluetooth, Mobile data, Blocking mode, Power saving, Screen Mirroring, Multi window, Wi-Fi hotspot, S Beam, NFC, Air view, Air Gesture, Driving mode, Smart stay, Smart scroll, Sync, and Flight mode.

2. Tap then locate the Notifications panel area located at the bottom of the Notifications panel screen.
3. In a single motion, touch and hold a desired function then drag it to the top row.

Memory Card

Your device lets you use a microSD™, microSDHC™ or microSDXC™ card (“SD card”) to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device’s SD functionality.

Mounting the SD Card

To store additional photos, music, videos, and other applications, you must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

1. Insert the SD card into the external, SD card slot. For more information, refer to *"Removing and Installing the Memory Card"* on page 2.
2. Your SD card is scanned to see the available information on it.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, tap ➔ **Settings** ➔ **More** ➔ **Storage**.
2. Scroll to the bottom of the display and tap **Unmount SD card**.
3. Tap **OK**.

   For more information, refer to *"Removing and Installing the Memory Card"* on page 2.

SD card Available Memory Status

To view the memory allocation for your external SD card:

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

Erasing Files from the SD card

You can erase files from the SD card using the phone.

1. Ensure the SD card is mounted. For more information, refer to *"Mounting the SD Card"* on page 42.

1. From the Home screen, tap ➔ **Settings** ➔ **More** ➔ **Storage**.
2. Tap **Format SD card**.
3. At the **Format SD card** confirmation prompt, tap **Format SD card**.

Warning! Performing the next step erases all data stored on the SD card.

---

4. Tap **Delete all** to format or press to cancel.

Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information, refer to *"Sound Settings"* on page 118.

Displaying Your Phone Number

- Tap → **Settings** → More **More** → **About device** → **Status**. Your phone number is displayed in the **My phone number** field.

Making a Call

1. From the Home screen, tap and use the on-screen keypad to enter the number you wish to dial.
2. Tap to make the call.

Note: When you activate the **Auto redial** option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to *"Call Settings"* on page 54.

Making an International Call

1. From the Home screen, tap , then touch and hold 0 +. The **+** character appears.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
   - If you make a mistake, tap until the desired numbers have been deleted.
3. Tap to make the call.

Manual Pause Dialing

To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press to display the dialer sub-menu.
3. Tap **Add 2-sec pause** to add a two second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than two seconds by entering multiple two second pauses.

4. Select **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or press a key.
5. Tap to make the call.

For more information, refer to *"Adding Pauses to Contact Numbers"* on page 61.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

- After entering a number using the keypad:
  - If you make a mistake, tap to erase a single character.
  - Press and hold to erase the entire string of numbers.

Ending a Call

- Tap the key.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Address Book, the associated name is also displayed.

1. From the Home screen, tap .
2. Tap the **Logs** tab.

   A list of recent calls is displayed.
3. Tap the desired Contact to enter the **Details** page, then tap to make a call.

Making Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the **Insert SIM card to make calls** message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

Making an Emergency Call without a SIM card

1. Tap **Emergency call** from the on-screen display to make an emergency call.
2. Enter 9-1-1 and tap . Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
3. Tap to exit this calling mode.

Note: This mode can drain your battery power more rapidly than normal calling mode.

Making an Emergency Call with a SIM card

1. From the Home screen, tap .
2. Enter the emergency number (ex: 911) and then tap .
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. From the Home screen, tap **Contacts** to display your Contacts List.
2. Press to display the Contacts List sub-menu.
3. Tap **Speed dial setting**.
4. The **Speed dial setting** screen displays showing the numbers 1 through 9. The number 1 is reserved for Voicemail.
5. Tap an unused number and the **Select contact** screen displays.
6. Select a contact to assign to the number. The selected contact number will display in the speed dial number box.
7. To remove a speed dial number or change the order, press to display the Speed dial setting sub-menu.
8. Tap **Change order** or **Remove**.
9. To make a call using Speed Dial, tap ➔ **Keypad** and from the Dialer, touch and hold the speed dial number.

Making a Call from the Address Book

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the **Address Book**.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 62.

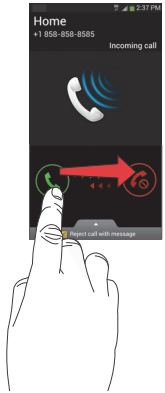
Answering a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the Address Book.

1. At the incoming call screen:
   - Touch and drag in any direction to answer the call.
   - Touch and drag in any direction to reject the call and send it to your voicemail.
   - Touch and drag the **Reject call with message** tab upward and tap a predefined text message to send to the caller.
     - I'm driving
     - I'm at the cinema
     - I'm in class
     - I'm in a meeting
     - Sorry, I'm busy. Call back later.

   – or –

     - Tap **Create new message** to compose a new message.



2. Tap End call to end the call.

Note: You can answer a call while using the Address Book or other menu feature. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From the Home screen and Application menus, you have the option to access the Dialer and initiate a call by tapping → **Keypad**. From the Dialer and the Contacts screen, the following tabs are located at the top of your screen:

- **Keypad**: dials the current number entered using the on-screen keypad.
- **Logs**: displays a list of all dialed, received, and missed calls.
- **Favourites**: displays your contacts that you have marked as Favourites.
- **Contacts**: takes you to your Address Book where you can select a contact to call.

After you begin to enter numbers, the **Add to Contacts** option appears so you can save the Contact if needed.

Call Log

The phone stores the numbers of the calls you've dialed, received, or missed in the Call log. The Call log displays the details of the call.

1. From the Home screen, tap .
2. Tap the **Logs** Logs tab.

A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**:
- **Outgoing Calls**:
- **Missed Calls**:
- **Rejected Calls**:
- **Auto Rejected Calls**:

Calling Back a Missed Call

To call back a missed call number:

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

A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

2. Swipe the desired missed call to the right to call.

– or –

Swipe the desired missed call to the left to message.

Saving a Recent Call to your Address Book

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

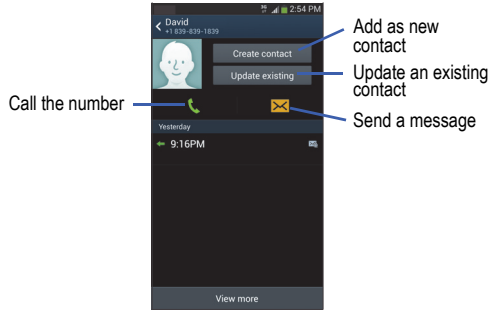
   A list of recent calls is displayed.

2. Tap the call you want to save to your Address Book.
3. The call detail page is displayed. Tap **Create contact** to add the call to your Address Book.

   The Create contact screen is displayed.

   – or –

   If you want to replace the number for an existing contact, tap **Update existing**.



4. Enter information into the various fields using the keypad.
5. Tap **Save** to save when you are finished.

For further details about the **Address Book** feature, see *"Adding a New Contact"* on page 60.

Sending a Message to a Recent Call

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

   A list of recent calls is displayed.

2. Swipe the entry you want to message to the left.

3. At the Message screen, tap the empty text field and use the on-screen keypad to type in a message.
4. When you are done with your message, tap to send.

   For more information, refer to *"Creating and Sending Messages"* on page 92.

Deleting a Call from the Call Log

1. From the Home screen, tap ➔ **Logs** .
   A list of recent calls is displayed.
2. Touch and hold the call you want to delete from the Call log.
3. Tap **Delete**.
4. At the **Delete** prompt, tap **OK**.
   The call is deleted from the Call log.

Adding a Call to the Reject List

1. From the Home screen, tap ➔ **Logs** .
   A list of recent calls is displayed.
2. Touch and hold the call you want to add to the Reject List.
3. Tap **Add to reject list**.
4. At the **Add to reject list** prompt, tap **OK**.
   Future calls from this number will be rejected and sent to your voicemail.

Call Duration

1. From the Home screen, tap ➔ **Logs** .
2. Press ➔ **Call duration**.
3. The following times are displayed for Voice and Data:
   - **Last call**: shows the length of time for the last call.
   - **Dialed calls**: shows the total length of time for all calls made.
   - **Received calls**: shows the total length of time for all calls received.
   - **All calls**: shows the total length of time for all calls made and received.
4. You may reset these times to zero by pressing then tapping **Reset**.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the earpiece volume, use the **Volume** keys on the left side of the phone.

- Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

  – or –

  Quickly add more volume to the incoming audio by tapping the on-screen Extra volume button

From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several functions available by tapping a corresponding on-screen button.

- **Hold**: place the current active call on hold.
- **Add call**: displays the dialer so you can call another person.
- **Keypad**: displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **End call**: terminates the call.
- **Speaker**: routes the phone's audio through either the speaker or through the earpiece.
  - Tap **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line will appear under the Speaker button.
  - Tap **Speaker** again to use the phone's earpiece (see *"Using the Speakerphone During an Active Call"* on page 53). The green line will disappear when Speaker is not activated.
- **Mute/Unmute** turn the onboard microphone either on or off.
  - Tap **Mute** during a call to mute the microphone. A green line will appear under the Mute button.
  - Tap **Mute** again to unmute the microphone. The green line will disappear when Mute is not activated.
- **Headset** connects to a Bluetooth headset.
  - Tap **Headset** during a call to activate a Bluetooth headset. A green line will appear under the Headset button.
  - Tap **Headset** again to de-activate the Bluetooth headset. The green line will disappear when the Headset is not activated.
- Press for more options:
  - **Contacts**: allows you to go to your Contact list.
  - **Memo**: allows you to write a memo.
  - **Message**: allows you to write a message during a call.

Personalizing the Call Sound Setting

During a call it may be necessary to adjust the sound of the incoming call by selecting an audio equalizer setting for the current call.

1. From the call screen, tap .
2. Confirm the option is enabled .
3. Select an available option. Choose from: Adapt Sound, Soft sound, Clear sound, and Off.

Activating Noise Reduction

During a call it may be necessary to activate the noise reduction feature. Activating this feature can improve the quality of your conversation by reducing ambient noise.

Noise reduction is on by default.

1. Press to turn Noise reduction off.
2. Press to turn Noise reduction on.

Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

1. While on a call, tap **Hold** . This action places the current caller on hold.
2. You can later reactivate this call by tapping **Unhold** .

To make a new call while you have a call in progress

1. Tap **Hold** .
2. Tap **Add call** to display the dialer.
3. Enter the new number and tap .

   Once connected, the active call will appear in a large box at the top of your screen and the call on hold will appear in a smaller box in the middle of your screen.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap **Swap**.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call will appear in a green box.
2. Tap to end the currently active call.

To end a specific call

1. Tap **Swap** until the call you want to end appears in a green box.
2. Tap to end the specific call.
3. Tap to end the remaining call.

To answer a call while you have a call in progress

1. Tap and slide to the right to answer another call.
2. Tap **Putting "Name/Number" on hold** to put the first call on hold.

   – or –

   Tap **Ending call with "Name/Number"** to end the first call.
3. To switch between the two calls, tap **Swap**.
   - **Swap**: Places the current call on hold and then activates the previous call. The active call will appear in a green box. Tap **Swap** again to switch back.

To end a call on hold

1. Tap to disconnect the active call.
2. The call on hold will now become the active call. Tap to end the call.

3-Way Calling (Multi-Party Calling)

The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

Note: The **Merge** option combines all of the calls you have established with your phone (both active and on hold). **Swap** places the current call on hold and then activates the previous call.

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

1. Tap and slide to the right to answer the call.
2. Tap and slide to the right to answer the next call.
3. Tap **Putting "Name/Number" on hold** to put the first call on hold.
4. Join the first two callers into a single multi-party call by tapping **Merge**
5. To temporarily leave the conference call, tap **Hold** .

   To rejoin the conference call tap **Unhold** .

6. Tap to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Tap **Speaker** .
   The **Speaker** button now appears as and the speakerphone is activated.
2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.
3. To deactivate the speakerphone, tap **Speaker** .

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You wish to say something to person in the room, but do not want the person on the phone to hear you.

To mute your phone during a call

1. Tap **Mute** .
   The **Mute** button now appears as and Mute is activated.
2. Tap **Mute** to deactivate the Mute function and reactivate the microphone.

Bluetooth headset

1. Tap **Headset** .
2. The phone will scan for your Bluetooth headset. When found, connect to the headset.
   The **Headset** button now appears as and the Bluetooth headset is activated.
3. Tap **Headset** to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Address Book

1. During the active call, press then tap **Contacts**.
2. Tap the Address Book entry.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 62.

Call waiting

The Call Waiting feature allows you to answer an incoming call while you have a call in progress, if this service is supported by the network, and you must first activate the Call Waiting feature:

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Additional settings** ➔**Call waiting**.

  You are notified of an incoming call by a call waiting tone.

Call forwarding

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Additional settings** ➔ **Call forwarding**.
2. Tap one of the following options:
   - **Always forward**: allows you to forward all voice calls.
   - **Forward when busy** allows you to forward voice calls to a designated number instead of your voice mail number if you are on another phone call.
   - **Forward when unanswered**: allows you to forward voice calls to a designated number instead of your voicemail number when there is no answer on your phone. You can also select the amount of time that the phone delays before forwarding.
   - **Forward when unreachable**: allows you to forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.

Call Settings

To access the Call settings menu:

- From the Home screen, tap ➔ ➔ **Call settings**.

  – or –
- From the Home screen, tap ➔ **Settings** ➔

  My device ➔ **Call.**

For more information, refer to *“Call Settings”* on page 120.

Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Text Input Methods

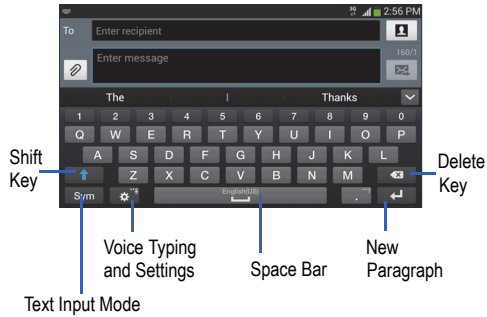
There are three text input methods available:

- **Samsung keyboard (default)**: Samsung's on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Google Voice typing**: allows you to enter text by speaking.

To change the input method, see *"Keyboards and Input Methods"* on page 128.

Entering Text Using the Samsung Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keypad will display.



Changing the Text Input Mode - Keypad

There are two main keypad layout keys that will change the on-screen keys within the QWERTY keypad.

The available Text Input modes are: **Sym** and **Abc**.

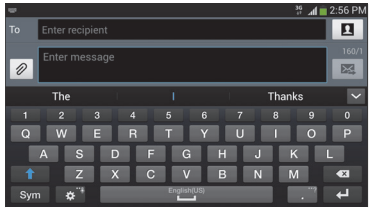
Sym **Symbol/Numeric Mode**: activates the number, symbol, and emoticon keys.

ABC **ABC Mode**: activates the default alphabet keys. Can also be set to **Abc** or **abc** by using the shift ( ) key.

Note: When in **Abc** mode, the **Sym** button will appear. When in **Sym** mode, the **Abc**/**ABC**/**abc** button will appear.

Using ABC Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.
2. When you tap the **Enter message** field, the following screen displays:



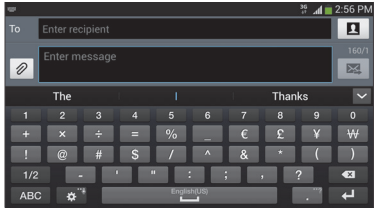
3. Tap the desired alphabetic characters.
4. The screen initially opens in ABC mode. After typing the first letter, the shift key ( ) will change to and following letters will be lowercase.
5. Tap to input another upper-case letter or tap twice to switch to ABC mode. The shift key will change to in ABC mode. All following letters will be uppercase until you tap the shift key again.

Using Symbol/Numeric Mode

Use Symbol/Numeric Mode to add numbers, symbols, or emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.

2. Tap **Sym** at the bottom of the screen. The following screen displays:



3. Tap the desired number, symbol, or emoticon characters.
4. Tap the **1/2** button to access additional symbols.
5. Tap **ABC** to return to Abc mode.

Predictive Text

By using the Predictive Text option, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard. Predictive text is turned on by default.

1. Tap ⚙ on the keyboard (if voice typing is on, press and hold 🎤 then tap ⚙).
2. Tap the ON/OFF slider, located to the right of the **Predictive text** field, to ON.
3. In the text portion of the message screen, begin typing a word. A list of word options is displayed. Tap one of the words to replace the word that has already been typed or scroll the line of words to the left for more word choices.

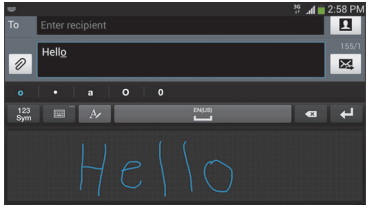
4. Continue typing your message. Tap ✉ to send the message or press ☰ for more options. For more information, refer to *"Creating and Sending Messages"* on page 92.

Note: You can also use Predictive Text mode in the portrait orientation.

Entering Text Using Handwriting

You can enter text simply by using your finger to handwrite letters on your screen.

1. Press and hold on the keyboard (if voice typing is on, press and hold).
2. From the keypad, tap .
3. Use your finger tip to write out each character. You can print or use cursive.
4. You can write out your entire message using the Handwriting feature or tap to switch back to Samsung keyboard mode.



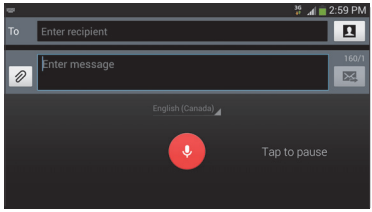
Samsung Keyboard Settings

For information on how you can configure your Samsung keyboard settings, see *"Samsung Keyboard settings"* on page 129.

Using the Google Voice Typing Feature

You can use your voice to enter text using the Google Voice typing feature.

1. Tap on the keyboard (if Samsung Keyboard is active, press and hold and tap .



2. At the **Speak now** prompt, speak clearly and distinctly into the microphone.
3. If the red microphone turns gray, then the feature has timed out and you should tap the microphone icon to start again.

The text is displayed in the message as you are speaking.

4. Tap to return to the keyboard.

Note: The feature works best when you break your message down into smaller segments.

Section 5: Contacts and Your Address Book

This section allows you to 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.

Adding a New Contact

Use the following procedure to add a new contact to your Address Book.

Saving a Number from the Home screen

1. From the Home screen, tap **Contacts** ➔ .
2. At the **Save contact to** prompt, tap on **SIM**, **Phone**, or Account name.
3. Tap the image icon and assign a picture to the new entry by choosing one of three options:
   - **Image**: retrieve a previously stored image from your Gallery or from your My files folder and assign it to this entry. Tap an image to assign the image to the contact, then tap **Done**.
   - **Pictures by people**: retrieve a previously stored image from your Gallery.
   - **Take picture**: use the camera to take a new picture and assign it to this entry, then tap **Done**.
   - **S Memo**: assign part of the contents of an S Memo as the contact image.
   - **Remove**: deletes any previously assigned image on an existing contact.
4. Tap the **Name** field and use the on-screen keypad to enter the full name. For more information, refer to *"Entering Text"* on page 55.

   – or –

   Tap next to the **Name** field to display additional name fields.
5. Tap the **Phone number** field.

   The numerical keypad is displayed.

   The **Mobile** button Mobile initially displays next to the **Phone number** field. If you want to add a phone number that is not a mobile number, tap the **Mobile** button and select from Mobile, Home, Work, Work fax, Home Fax, Pager, Other, Custom (add your own label), or Callback.
6. Enter the phone number.

Tap to add another Phone number field or tap to delete a field.

7. Tap any of the following fields that you want to add to your new contact:
   - **Groups**: assign the contact to Not assigned, ICE - emergency contacts, Co-workers, Family, or Friends.
   - **Ringtone**: adds a field used to assign a message tone that will sound when messages are received from this contact.
   - **Message alert**: allows you to set the ringtone for your message alerts.
   - **Vibration pattern**: allows you to set the specific type of vibration.
   - **Add another field**: tap this button to add another field such as Phonetic name, Organization, Email, IM, Address, Notes, Nickname, Website, Internet call, Events, or Relationship.
8. Tap **Save** to save the new contact.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.

To add a pause or a wait to an existing Contact:

1. From the Home screen, tap **Contacts** , and then tap the name or number to open the Contact.
2. Tap to edit.
3. Tap the phone number field.
4. Tap the screen at the position where the pause or wait needs to be added.
5. Tap .
6. Tap **Pause** to add a two-second pause or tap **Wait** to add a wait, and use the keypad to enter the additional numbers. A pause will be displayed as a comma (,) and a wait will be displayed as a semi-colon (;).
7. Tap **Save** to save your changes, or tap **Cancel** to discard.

Editing an Existing Contact

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

1. From the Home screen, tap **Contacts** .
2. Press and hold the Contact that you want to edit.
3. Tap **Edit**.
4. Tap any of the fields to add, change, or delete information.
5. Tap **Save** to save the edited information.

Using Contacts

Dialing or Messaging from Address Book

Once you have stored phone numbers in the Address Book, you can dial them easily and quickly by either using their SIM card location number or by using the Search field to locate the entry.

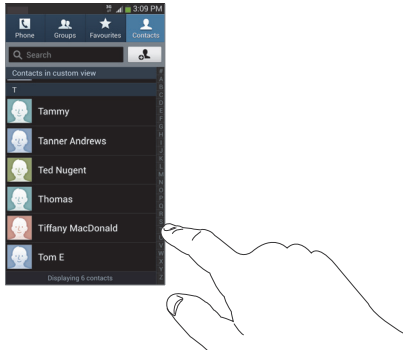
From the Address book, you can also send messages.

Finding an Address Book Entry

You can store phone numbers and their corresponding names onto your SIM card and phone's onboard memory. The two locations are physically separate but are used as a single entity, called the Address Book.

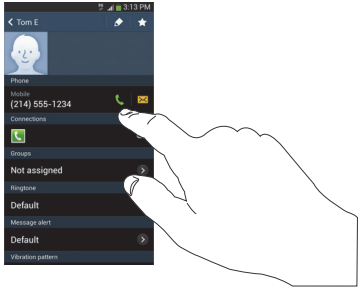
Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store and how they are stored may differ.

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list (sorted alphabetically), tap a letter on the right side of the display to quickly jump to the contacts beginning with that letter.



3. Tap the contact you wish to call or message.

4. Tap the phone icon to make a phone call or tap the message icon to send a message.



For more information, refer to *"Creating and Sending Messages"* on page 92.

Tip: From the Contact list, sweep right over a listing to make a call. Sweep left over a listing to send a message.

Joining Contacts

Joining Contact Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Facebook, Twitter, MySpace, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Yahoo! chat account, when you merge these accounts into your Contacts list you can join all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 65.

1. From the Home screen, tap **Contacts** .
2. Tap a contact name (the name you want to join to another entry). **Note**: typically this is the same contact with a different name or account information.
3. Press → **Join contact**.
   The contact list is displayed.

Note: Only contacts stored on your phone can be joined.

4. Tap the second contact entry (the entry in which to join). The second contact is now joined with the first and the account information is merged into one screen.

Note: The information is still maintained in both entries, but displays in one record for easier viewing when you join the contacts.

5. Tap area under the **Connection** bar to view the contact information you joined. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

Separating Joined Contact Information

1. From the Home screen, tap **Contacts** .
2. Tap a contact name (the account name from which you want to unlink an entry). **Note**: typically this is the same contact with a different name or account information.
3. Tap the area under the **Connection** bar.
4. Tap the minus sign next to the entry that you want to separate. The contact is now separated and no longer displays in the merged record screen.

Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the “default” number or entry.

1. From the Home screen, tap **Contacts** .
2. Tap a Contact name.
3. Press → **Mark as default**. The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the default contact will be green.

4. To change the default contact, tap the radio button next to another entry that you want to be the default. The radio button will turn green, then tap **Done**.

Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. From the Home screen, tap **Contacts** .
2. Press then tap **Accounts**.
   If you have previously added any accounts, the Sync settings prompt is displayed with your current accounts listed.
3. Tap an account that you would like to synchronize.
4. At the Sync settings screen, tap the options that you would like to synchronize for that account.
5. Tap Sync now to synchronize the account.
   The account is synchronized.
6. Press to return to the Contacts list.

Address Book Options

You can access Address Book options while at the main Address Book page or while in the details page for a specific entry.

Options in Address Book

1. From the Home screen, tap **Contacts** then press .
2. The following options are displayed:
   - **Delete:** allows you to delete 1 or more of your contacts.
   - **Import/Export**: allows you to move contacts to or from your memory card, USB storage or SIM card. You can also send a namecard via Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Merge accounts**: merge with Google or Merge with Samsung.
   - **Accounts**: allows you to add and manage your Samsung, ChatON, Google, LDAP (Lightweight Directory Access Protocol), and Microsoft Exchange ActiveSync accounts. Tap Add account and then follow the on-screen instructions.

- **Speed dial setting**: allows you to set up speed-dialing. For more information, refer to *"Making a Call Using Speed Dial"* on page 45.
- **Send message/email**: allows you to send a text message, picture message or email.
- **Contacts to display**: You can choose to display all of your contacts or only display contacts on your Phone, SIM, or contacts stored to other accounts. You can also tap Customized list to change other options on how your contacts are displayed.
- **Settings**: allows you to choose set the following options:
  - **Only contacts with phones**: allows you to only display contacts that have phone numbers.
  - **Sort list by**: allows you to sort by First name or Last name.
  - **Display contacts by**: allows you to sort by First name or Last name first.
  - **Service numbers**: allows you to display or edit your service numbers.
  - **Contact sharing settings**: allows you to send all or individual contacts via Bluetooth in the form of namecards.

Options at Selected Contact Screen

1. From the Home screen, tap **Contacts** .
2. Tap a contact and at the contact's display screen, press .
3. The following options are displayed:
   - **History**: allows you to view the phone and message history for the contact.
   - **Edit**: allows you to edit the contact's information.
   - **Delete**: allows you to delete the contact from your Address Book.
   - **Join contact**: allows you to join contacts with other contacts.
   - **Separate contact**: allows you to separate contacts that have been joined.
   - **Mark as default**: when you have multiple contacts linked together, you can mark one of them as default (only displays when contact is saved to the phone). For more information, refer to *"Marking a Contact as Default"* on page 64.
   - **Share namecard via:** Send contact's namecard information via Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.

- **Add to/Remove from reject list**: allows you to add or remove the contact from your reject list. If they call while being on the reject list, the call will be sent directly to voice mail.
- **Print contact info**: allows you to print the contact's namecard to a Samsung printer using Wi-Fi.
- **Add shortcut to Home**: allows you to place a shortcut for this contact on your Home screen.

Groups

Adding a Contact to a Group

1. From the Home screen, tap **Contacts** .
2. Press and hold a contact that you would like to add to a group.
3. Tap **Add to group**.
4. Tap a group entry.
5. Tap **Done**.

   The contact is added to the group.

Removing a Contact From a Group

1. From the Home screen, tap **Contacts** → **Groups** .
2. Tap a group entry.
3. Press → **Remove member**.
4. Tap all of the contacts you want to remove from this group. A green checkmark will appear next to their name.
5. Tap **Done**.

   The contacts are now removed from the group.

Creating a New Group

1. From the Home screen, tap **Contacts** → **Groups** → → **Create**.
2. Tap the **Group name** field and use the on-screen keypad to enter a new group name. For more information, refer to *"Entering Text"* on page 55.
3. Tap **Message alert** to choose an audio file for assignment to this new group. Choose from **Default**, **Ringtones**, or **Go to My files**.
4. Tap **Vibration pattern** to choose an audio file for assignment to this new group.
5. Tap **Add member** to add contacts to the new group.
6. Tap each contact you want to add to create a checkmark. You can also tap **Select all**.
7. Tap **Done**.

8. Tap **Save** to save the new Group category.

Editing a Caller Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, tap **Contacts** → **Groups** .
2. Tap a group entry.
3. Press → **Edit**.
4. Make modifications to the **Group name**, **Group ringtone**, or **Vibration pattern** fields.
5. Tap **Add member** to add more contacts to this group.
6. Tap **Done**.
7. Tap **Save** to save the edited Group category.

Address Book Favourites

Once you have stored phone numbers in the Address Book, you can add them to your Favourites list.

To view your Favourites list:

- From the Home screen, tap **Contacts** → **Favourites** .

Adding Favourites to your Address Book

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to add to your favorites list.
3. Tap **Add to Favourites** on the displayed list.
4. A gold star will appear next to the contact in the Address Book.

Removing Favorites from your Address Book

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to remove from your favorites list. Contacts in your Favorites list will have a gold star.
3. Tap **Remove from favorites** on the displayed list.
4. The gold star will no longer appear next to the contact in the Address Book.

Managing Address Book Contacts

You can copy, delete, and view the memory status for the Phone and SIM contacts on your phone.

Copying Contacts to the SIM Card

Note: When storing an Address Book entry into the SIM card, only the name, phone number, and email address are available as fields. Also, if you move the SIM card to another phone that does not support additional fields on the SIM card, this additional information may not be available.

1. From the Home screen, tap **Contacts** ➔ ➔ **Import/Export**.
2. Tap **Export to SIM card**.
   The phone then displays a list of your current phone contacts.
3. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to the SIM card.
   - Repeat this step for all individual entries you wish copied to the SIM or tap **Select all** to place a checkmark alongside all entries.
4. Tap **Done** to copy.
5. At the **Copy to SIM** display, tap **OK**.
   The selected numbers are copied to the SIM card.

Copying Contacts to the Phone

1. From the Home screen, tap **Contacts** ➔ ➔ **Import/Export**.
2. Tap **Import from SIM card**.
3. At the **Save contact to** prompt, tap on **Phone** or an account name that you would like to copy the contact to.
   The phone then displays a list of your current contacts stored on your SIM card.
4. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to your phone.
   - Repeat this step for all individual entries you wish copied to your phone or tap **Select all** to place a checkmark alongside all entries.
5. Tap **Done** to copy.
   The selected numbers are copied.

Deleting a Contact

You can delete Phone or SIM entries.

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to delete.

3. Tap **Delete** on the displayed list.

At the **Delete** prompt, tap **OK** to delete the contact or **Cancel** to exit.

Deleting Multiple Contacts

1. From the Home screen, tap **Contacts** ➔ ➔ **Delete**. The phone displays a list of your current contacts.
2. Tap the contacts to place a checkmark adjacent to those entries you wish to delete.
   - Repeat this step for all individual entries you wish deleted or tap **Select all** to place a checkmark alongside all entries.
3. Tap **Delete**.
4. At the **Delete Contact** prompt, tap **OK**.

   The selected contacts are deleted.

Using the Service Dialing Numbers

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

1. From the Home screen, tap **Contacts** ➔ ➔ **Settings**.
2. Tap **Service numbers**.
3. Scroll through the available numbers (if available).
4. Tap a number and the call is made.

Note: This menu is available only when your SIM card supports Service Dialing Numbers.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including Samsung Hub, Samsung Link, Music, Video, Play Movies, Gallery, Camera, and Camcorder.

Samsung Hub

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

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

Note: Samsung Hub usage is based on service availability.

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

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

Creating a New Samsung Hub Account

Before you can rent or buy media, you must first 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. Press 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. Press → **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 a the top of the page.
   - **BOOKS**: displays featured Book content available for purchase from the Book store. This page also allows you to search for new content, or navigate directly to the Book store page by clicking the Books link a the top of the page.
   - **GAMES**: displays featured Game content available from the Game store. This page also allows you to search for new content, or navigate directly to the Game store page by clicking the Games link a the top of the page.
   - **LEARNING**: displays featured Learning content available from the Learning store. This page also allows you to search for new content, or navigate directly to the Learning store page by clicking the Learning 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, LTE 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

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 106. For more information, refer to *"Creating a Samsung Account"* on page 8.

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** .
2. Press and then tap **Settings** and configure the following settings as desired:
   - **Refresh:** allows you to refresh the screen.
   - **Register storage**: allows you to add a Web storage location. Without a storage service/location added, you will not be able to use Samsung Link.
   - **Settings**:
     - **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 setup 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 access to Help information.

- **About this service**: displays version and license information about Samsung Link.

Sharing Media via Samsung Link to a Target Device

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

1. Launch Samsung Link on the target device (such as an Internet TV, Samsung Tablet, etc.).
2. From the Home screen, tap ➔ **Samsung Link** .
3. Tap your device name from the **Devices** list.
4. Tap an available category tab (Pictures, Music, Movies, Files, or Info) and select a file.
   - Touch and hold to select multiple files.
   - 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**) to begin streaming the selected files.
7. On a target device (for example, an 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.

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

Music

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

Playing Music

1. Tap ➔ **Music** .
2. Tap a library category at the top of the screen (Songs, Playlists, Albums, Artists, Music square, Folders or Nearby Devices) to view the available music files.

3. Scroll through the list of songs and tap an entry to begin playback.
4. Tap in the control bar to view all music player controls.
5. The following Music controls are available:

Pause the song.

Start the song after being paused.

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.

Repeat one: repeats the currently playing song.

Repeat all: replays the current list when the list ends.

Play All: plays the current song list once.

Shuffle On: the current list of songs are randomly shuffled for playback.

Shuffle Off: 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 Favourite.

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

Provides access to the Equalizer.

Music Options

To access additional options, follow these steps:

1. While in Music, press .
2. The follow options are available:
   - **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
   - **Share music**: allows you to share your music using Group Play.
   - **Add to playlist:** allows you to add the current music file to a selected playlist.

- **Set as:** allows you to set a music file to Phone ringtone, Caller ringtone, or Alarm tone.
- **Show Music view**:
- **Settings**: allows you to change your Music Player settings. For more information, refer to *"Music Settings"* on page 78.
- **Details**: allows you to view media info such as Artist, Title, Biography, and other information.
- **End**: allows you to end the Music Player app.

Music Settings

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

1. From the Home screen, tap ➔ **Music**
2. Press ➔ **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 hear incoming calls and notifications when your are listening with earphones.
   - **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:** 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 player.

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 Player 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. Press ➔ **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. Press ➔ **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 Player** .
2. Tap **Playlists**.
3. Press ➔ **Edit title**.
4. Tap a playlist name to edit.
5. Enter a new name for the playlist then tap **OK**.

Google 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** .
2. All music on your device and external SD card is displayed, including Music folders that contain multiple songs.

3. Tap a song to start playback.
4. 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.
5. 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.

Video

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

1. Tap → **Video**
2. All videos that you have on your phone and memory card will be displayed. Tap the video that you want to play.
3. The video will begin to play.
4. 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.

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 180.

Play Movies

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

1. From the Home screen, tap → **Play Movies** .
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 **PERSONAL VIDEOS** tab to view movies you have on your phone or memory card.
6. Press for additional options.

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.

1. Tap → **Gallery** .
   All of the Albums that hold your pictures and videos will be displayed with folder name and number of files.
2. Tap an Album and thumbnails of the contents will be displayed.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using **My files** or other file management applications and try again. For more information, refer to *"My Files"* on page 171.

Viewing Pictures

1. From the main gallery, tap **Slideshow** to see a slideshow of all of your pictures.
2. Tap a thumbnail to view a single picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

3. The following options are available at the top of the screen:
   - **Share via** : allows you to share the picture via Group Play, Bluetooth, ChatON, Dropbox, Email, Flipboard, Gmail, Google+, Messaging, Picasa, S Memo, or Wi-Fi Direct.
   - **Edit** : allows you to edit the picture, including Rotate, Crop, Colour, Effect, Portrait, Sticker, Drawing, and Frame.
   - **Delete** : allows you to delete the picture.
4. Press for additional options.

Viewing Videos

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap to play the video.
3. Press for additional options.

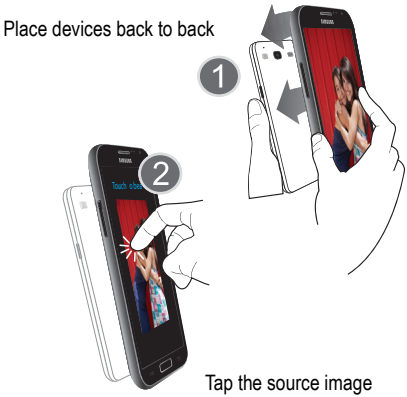
For video player controls, see *"Video"* on page 80.

Using S Beam to Share Pictures

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

1. From the Home screen, tap ➔ **Settings** ➔ **Connections** ➔ **NFC**.
2. If not already active, in a single motion touch and slide the **NFC** slider to the right to turn it on .
3. Tap **S Beam** and make sure the feature is turned on.
4. If not already active, in a single motion touch and slide the **S Beam** slider to the right to turn it on .
5. On the source device (containing the desired image or video), tap ➔ **Gallery** .
6. Locate and tap the selected image to open it in the preview window.

Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.



7. Place the two active NFC-enabled devices back to back to begin (1).

Note: If the **Touch to beam** screen does not appear on the source device:
- Pull them apart
- Verify the image is visible in the preview window on the source device (providing the file)
- Place them together again

8. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer (2).
9. When prompted, separate the two devices. After a few seconds (depending on file size) the recipient will then see the transferred file displayed on their screen.

To share multiple pictures via S Beam:

1. On the source device (containing the desired image or video), tap → **Gallery**.
2. Locate the selected folder.
3. Touch and hold the first image and place a checkmark on it and all desired images.

4. Place the two active NFC-enabled devices back to back to begin.
5. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer.

   When prompted, separate the two devices.

Camera

This section explains how to use the camera on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 13 megapixel camera produces photos in JPEG format.

Important! Do not take photos of people without their permission.

Do not take photos in places where cameras are not allowed.

Do not take photos in places where you may interfere with another person's privacy.

Using the Camera

Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

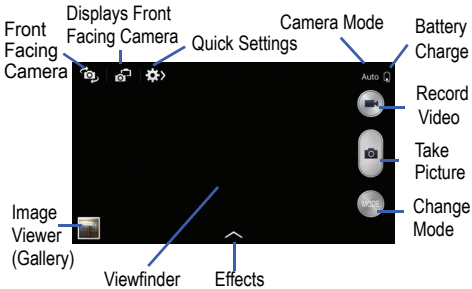
Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

1. From the main Home screen, tap ➔ **Camera** to activate the camera mode.
2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. Before you take a picture, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.
4. If desired, before taking the photo, you can tap on-screen icons to access various camera options and settings.

5. You can also tap the screen to move the focus to the area you touch.
6. Press the Camera key ( ) until the shutter sounds. (The picture is automatically stored within your designated storage location. If no microSD is installed, all pictures are stored on the Phone.)



7. While viewing a picture, after you have taken it, pinch the screen outwards to zoom in or pinch the screen inwards to zoom out.

   You can magnify the picture up to x4.

8. Press to return to the viewfinder.

Camera Modes

There are various camera modes that you can use depending on the conditions and your experience.

1. From the camera viewfinder, tap the Mode button to change the mode to one of the following:
   - **Auto:** Automatically adjust exposure to optimize colour and brightness of pictures.
   - **Beauty face**: Use this to take photos with softened faces for gentler images.
   - **Best photo**: Use this to take multiple photos in a short time, and then choose the best photos among them. Press the Shutter button to take multiple photos. When Gallery opens, tap and hold thumbnails of photos to save, and then tap **Save**.
   - **Best face**: Use this to take multiple group shots at the same time and combine them to create the best possible image. Press the Shutter button to take multiple photos. When Gallery opens, tap the yellow frame on each face, and choose the best individual face for the subject. After choosing a pose for each individual, tap Done to merge the images into a single photo, and tap **Save**.

– **Sound & shot**: Enrich pictures by adding a few seconds of background sound.
– **Drama**: Take a series of pictures of a moving subject and merge them into one picture.
– **Animated photo**: Create a picture in which a few selected objects move by freezing or animating moving objects automatically detected by the device.
– **Rich tone (HDR)**: Use this to take photos with richer colours and contrasts (High Dynamic Range).
– **Eraser**: Save the best picture after erasing moving objects from 5 consecutive pictures.
– **Panorama**: Use this to take wide panoramic photos. Press the Shutter button to take a photo, and then move the camera in any direction. When the blue frame aligns with the preview screen, the camera automatically takes another shot in the panoramic sequence. To stop shooting, press the Shutter button again.
– **Sports**: Use this to take photos of subject moving at high speed.
– **Night:** Use this to take photos in low-light conditions, without using the flash. Press the Shutter button to take multiple photos. Photos are automatically merged into a single photo.

Quick Settings

Tap at the top of the display to quickly change Camera settings. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

Configure Camera settings.

Activate or deactivate the flash.

Auto night detection (adjusts live view).

Activate or deactivate the voice control to take photos.

Select a resolution for videos.

Activate or deactivate the sharing options.

Hide Quick settings.

Camera and Camcorder Settings

This section describes the different settings that you can configure on your camera. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

1. From the viewfinder, tap ➔ (Camera Settings).
2. The follow settings are located under the Camera, Camcorder, Share, and General tabs. The settings that are displayed will depend on what camera mode you are in.

   Camera:

   - **Photo size**: Select a resolution for photos. Use higher resolution for higher quality. Higher resolution photos take up more memory.
   - **Burst shot**: Take multiple shots in quick succession by tapping and holding the Camera key.
   - **Face detection**: This option places the focus on any faces that are detected when you take a photo.
   - **Metering**: Select the area of the image where exposure is measured (Centre-weighted, Matrix or Spot).
   - **ISO**: determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.
   - **Anti shake**: Compensates for camera movement.
   - **Auto night detection**: Camera detects low light and automatically adjusts live view, allowing you to take pictures at night without using the flash.
   - **Save as**:

   Camcorder:

   - **Video size**: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory.
   - **Video stabilization**: Activate or deactivate Optical Image Stabilization.

Settings:

- **GPS tag**: Attach a GPS location tag to the photo. To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions. Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- **Review**: Set this option if you want to view each picture after you take it. Select a time value.
- **Volume key**: Choose whether the volume keys act as The Zoom Key, The camera key or The record key.
- **Timer**: Use this for delayed-time shots. You can set the timer to Off, 2 sec, 5 sec, or 10 sec.
- **White balance**: Select an appropriate white balance, so images have a true-to-life colour range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- **Exposure value**: allows you to adjust the brightness level by moving the slider.
- **Guidelines**: Display viewfinder guides to help composition when selecting subjects.
- **Flash**: Activate or deactivate the flash.
- Voice control:
- **Contextual filename**: allows you to have your location added as part of the filename. You must first activate GPS tag described above.
- **Save as flipped**: when set to On, this option allows you to take and save a mirror-image video when using self-recording mode.
- **Storage**: Select the memory location for storage.
- **Reset**: Reset the camera settings.

Viewing your Pictures

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to *"Gallery"* on page 81.

Editing a Photo

You can edit your photos using the built-in Photo editor application on your device. The photo editor application provides basic editing functions for pictures that you take on

your phone. Along with basic image tuning like brightness, contrast, and color it also provides a wide variety of effects used for editing the picture.

1. From the Home screen, tap ➔ **Gallery**
2. Select a folder location and tap a file to open it.
3. With the image displayed, tap **(Edit)** to launch the Photo editor.
4. Select an image area by touching and holding the image and then selecting an available option:
   - **Selection mode**: provides several on-screen selection options such as: Select area, Inverse selection, Selection size, and Selection mode (Magnetic, Lasso, Brush, Round, and Square).
   - **Select all**: select the entire area of the current image.
   - **Clipboard**: copies the currently selected are to your device's clipboard.
5. Use the following editor controls to edit your picture:

Previous: move to previous photo project.

Next: move to next photo project.

Rotate: allows you to rotate a photo in all 4 directions. You can also mirror image a photo.

Crop: allows you to crop (cut-out) an area of a photo.

Colour: allows you to Auto adjust colour or set Brightness, Contrast, Saturation, Adjust RGB, Temperature, Exposure, and Hue.

Effects: allows you to add various effects to your photo.

Portrait: allows you to apply various face correction effects such as: Red-eye fix, Airbrush face, Face brightness, Out-of-focus, Beauty face, Funny face, or Spot healing.

Sticker: allows you to place various pre-created on-screen stickers atop your current image.

Drawing: allows you to add draw directly on your current picture by using either a brush/pen or eraser.

Frame: places a pre-created border style atop your current image.

6. Press to access the following options:
   - **Save as**: allows you to rename your current image and save it to your gallery.
   - **Select image**: allows you to select a new image for editing.
   - **Take picture**: allows you to activate the camera and take a new image for editing.
   - **Share via**: allows you to share your saved photo via Bluetooth, ChatON, Dropbox, Email, Flipboard, Gmail, Google+, Group Play, Messaging, Picasa, S Memo, or Wi-Fi Direct.
   - **Set as**: assigns the currently saved image as either a: Contact photo, Home and lock screens, Home screen, or Lock screen.

Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send videos.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the main Home screen, tap **Camera** to activate the camera mode.
2. Using the camera's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
3. Before you take a video, use the Volume control buttons to zoom in or out. You can magnify the video up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.
4. Tap the Video key ( ) to begin shooting video. The red light will blink while recording.

5. You can tap the screen to move the focus to the area you touch.
6. To capture an image from the video while recording, tap . This feature is not available while the anti-shake feature is activated.
7. Tap the Pause key ( ) to pause the recording. To resume recording, tap the Resume key ( ).
8. Tap the Stop key ( ) to stop the recording and save the video file to your Camera folder.
9. Once the file has been saved, tap the image viewer, then tap to play your video.
10. Press to return to the viewer.

Viewing your Videos

After you take a video, you can access various options from the Image Viewer. The Image Viewer uses your Gallery and the Video Player. For more information, refer to *"Gallery"* on page 81. Also, see *"Video"* on page 80.

Section 7: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- Google Talk
- ChatON

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type. For more information, refer to *"Indicator Icons"* on page 15.

Creating and Sending Messages

1. From the main Home screen, tap **Messaging** ➔ **Compose**.

Note: The main Home screen initially contains the **Messaging** icon. If you delete it, or if you want to access Messaging from another Home screen, you must tap **Apps** ➔ **Messaging**.

2. Tap on the **Enter recipient** field to manually enter a recipient or tap to select a recipient from your Contacts.

3. If adding a recipient from your Contacts, tap the contact to place a checkmark then tap **Done**.
   The contact will be placed in the recipient field.

Note: Enter additional recipients by separating each entry with a semicolon (;) then using the previous procedure.

4. Tap the **Enter message** field and use the on-screen keypad to enter a message. For more information, refer to *"Entering Text"* on page 55.
5. Review your message and tap **Send** .

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Message Options

Options before composing a message

1. From the main Home screen, tap **Messaging** .
2. Before composing a message, press to reveal additional messaging options:

- **Search**: allows you to search through all of your messages for a certain word or string of words. Enter a search string in the Messaging Search window and tap .
- **Delete threads**: allows you to delete any message thread. Select the messages to delete and a green checkmark will appear next to the message. Tap **Delete**.
- **Draft messages**: displays the draft messages folder and its contents.
- **Scheduled messages**: displays the scheduled messages folder and its contents.
- **Locked messages**: displays the locked messages folder and its contents.
- **Spam messages**: displays the spam messages folder and its contents.
- **Settings**: allows you to access Messaging settings. For more information, refer to *"Messaging Settings"* on page 97.

Options while composing a message

1. While composing a message, press to reveal additional messaging options.
   - **Call**: allows you to call the contact. This option only appears if you have entered a phone number for the recipient.

- **Insert smiley**: allows you to add emoticons, such as a happy face to your message.
- **Add text**: allows you to copy text from your contacts, calendar, or from a memo to add to your message. This is a convenient feature for adding names, phone numbers, events, etc. to your message. For more information, refer to *"Adding Additional Text"* on page 95.
- **Add to Contacts**: allows you to add the recipient to your Contacts list. This option only appears if the recipient is not already in your Contacts list.
- **View contact**: allows you to see information on the recipient. This option only appears if the recipient is in your Contacts list.
- **Add slide**: allows you to add a new page to a message.
- **Add subject**: allows you to add a subject line.
- **Scheduled message**: allows you to assign the current message for scheduled delivery at a designated time.
- **Discard**: allows you to delete the message.
- **Translate**: allows you to use S Translator to translate the message.

Adding attachments to a message

To add an attachment to your message, tap and select one of the following options:

- **Image**: allows you to tap an existing image from your Pictures list to add it to your message.
- **Take a picture**: allows you to temporarily exit the message, take a photo with phone's camera, and then add it to your message by tapping **Save**.
- **Video**: allows you to choose an existing video from the Videos list, then add it to your message.
- **Record video**: allows you to temporarily exit the message, record a video clip using the phone's camera, and then add it to your message by tapping **Save**.
- **Audio**: allows you to choose an existing audio file from the Audio list, then add it to your message by tapping the circle to the right of the audio so that it turns green, then tapping **Done**.
- **Record audio**: allows you to temporarily exit the message and record an audio clip using the phone's microphone. t is then automatically attached to the message.
- **S Memo**: allows you to add a memo that you have created.

- **S Planner**: allows you to add an event from your calendar. Select the desired event and tap **Done**.
- **Location**: allows you to attach a thumbnail of a map showing your location.
- **Contacts**: allows you to tap on an existing Address Book entry, then add it to your message by tapping **Done**.

Adding Additional Text

You can copy text such as names, phone numbers, and events from your Contacts, Calendar or a Memo.

1. While composing a message, press → **Add text**.
2. At the Add text screen, select one of the following:
   - **S Memo**: allows you to insert text from an existing memo.
   - **S Planner**: allows you to add the name, date, and time of a calendar event to your message.
   - **Location**: allows you to add an address and the link to the location on Google Maps.
   - **Contacts**: allows you to add the name and phone number of any of your contacts to your message.
   - **Text templates**: allows you to add pre-defined phrases and sentences.

   The information is added to your message.

Viewing New Received Messages

1. When you receive a new message, the new message icon will appear at the top of your screen.
2. Open the Notification Bar and select the message. For more information, refer to *"Notification Bar"* on page 40.

   – or –

   From the main Home screen, tap **Messaging** then tap the new message to view it.

   The selected message appears in the display.
3. To play a multimedia message, tap .
   - To pause playback of the multimedia message, tap .
4. To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the page.

Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

To access message thread options:

- From the main Messaging screen, touch and hold the message thread to display the following options:
  - **View contact**: displays the Contact's Overview page.
  - **Add to contact**: begins the process of adding the new number to your Contacts list.
  - **Delete thread**: deletes the currently selected message thread.
  - **Add to spam numbers**: adds the current sender to a spam list. Any new texts from this sender are automatically blocked.

To access additional Bubble options:

- Touch and hold a message bubble within an active message conversation to display the following options:
  - **Delete message**: deletes the currently selected message bubble from the thread.
  - **Copy message text**: copies the currently selected message bubble from the thread.
  - **Lock/Unlock message**: locks or unlocks the currently selected message bubble from being accidentally deleted.
  - **Forward**: allows you to forward the currently selected message bubble to an external recipient.
  - **Copy to SIM**: copies the currently selected message bubble as a single text message within the SIM card.
  - **View message details**: displays details for the currently selected message bubble.
  - **Translate**: Use S Translator to translate the message.

Deleting Messages

Deleting a single message thread

1. From the main Home screen, tap **Messaging** .
2. Touch and hold a message, then tap **Delete thread**.
3. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Deleting multiple message threads

1. From the main Home screen, tap **Messaging** .
2. Press → **Delete threads**.
3. Tap each thread you want to delete. A checkmark will appear beside each thread you select.
4. Tap **Delete**.
5. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Message Search

You can search through your messages by using the Message Search feature.

1. From the main Home screen, tap **Messaging** .
2. Tap → **Search**.
3. Use the on-screen keypad to enter a word or phrase to search for, then tap .
4. All messages that contain the search string you entered are displayed.

Messaging Settings

To configure the settings for text messages, multimedia messages, Voice mails, and Push messages.

1. From the main Home screen, tap **Messaging** → → **Settings**.
2. The following Messaging settings are available:

General settings:

- **Delete old messages**: deletes old messages when the limit is reached, rather than having them overwritten.
- **Text message limit**: allows you to set a limit on how many text messages can be in one conversation.
- **Multimedia message limit**: allows you to set a limit on how many multimedia messages can be in one conversation.
- **Text templates**: allows you to edit or add new text templates to use in your messaging.

Text message (SMS) settings:

- **Delivery reports:** Request a delivery report for each message sent.
- **Manage SIM card messages**: allows you to manage the messages that you have stored on your SIM card.
- **Message center**: allows you to enter the number of your Message center where your messages reside while the system is attempting to deliver them.
- **Input mode**: allows you to set the input mode for your text messages. Choose between GSM Alphabet, Unicode, or Automatic.

Multimedia message (MMS) settings:

- **Delivery reports:** Request a delivery report for each message sent.
- **Read reports:** Request a read report for each message sent.
- **Auto-retrieve**: allows the message system to retrieve messages automatically.

- **Roaming auto-retrieve**: allows the message system to retrieve messages automatically when roaming.
- **Creation mode**: allows you to select the creation mode, Free, Restricted, or Warning.
  - **Restricted**: you can only create and submit messages with content belonging to the Core MM Content Domain.
  - **Warning**: the phone will warn you via pop up messages that you are creating a multimedia message which does not fit the Core MM Content Domain.
  - **Free**: you may add any content to the message.
- **MMS alert**: allows you to receive an alert when MMS mode becomes active.

Display:

- **Bubble style**: allows you to choose from several bubble styles for your messages. Bubbles are the rounded boxes that surround each message.
- **Background style**: allows you to choose from several background styles for your messages.
- **Use the volume key**: allows you to change the text size by using the up or down volume keys.

Push message settings:

- **Push messages**: allows you to receive push messages from the network.
- **Service loading**: Select Always, Prompt or Never.

Cell Broadcast (CB) settings:

- **CB activation**: allows you to receive Cell Broadcast (CB) messages.
- **Channel configuration**: allows you to set up the channel that you will receive CB messages on.

Notifications settings:

- **Notifications**: allows you to see message notifications on your status bar.
- **Select ringtone**: allows you to set the ringtone for your message notifications.
- **Vibrate**: allows you to configure the vibration mode associated with message alerts.
- **Message alert repetition**: allows you to set the interval for new message alerts. Choose from: Once, Every 2 minutes, or Every 10 minutes.
- **Preview message**: when enabled, allows you to view a preview of new message text on the Status bar.

Signature settings:

- **Add signature**: when enabled, this feature allows you to create a signature at the end of your outgoing text messages.
- **Signature text**: allows you to enter a desired signature for your message.

Spam message settings:

- **Spam settings**: when enabled, allows you to configure available spam settings such as:
- **Add to spam numbers**: allows you to manually enter and assign a phone number as being sent from a spam source.
- **Add to spam phrases**: allows you to assign a specific text phrase as belonging to a spam message. Ex: Dear friend.
- **Block unknown senders**: when active, automatically blocks incoming messages from unknown sources or blocked numbers.

Using Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email.

Creating an Email Account

1. From the Home screen, tap ➔ **Email** .
   Your accounts screen displays with an Email setup screen displayed.
2. Enter you email address in the **account@example.com** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
5. Tap **Next**.
6. At the **Account options** screen, configure the options as required.
7. Tap **Next**.
8. Enter a name for this email account (optional).
9. Tap **Done**.

Creating a Corporate Email Account

Use the following procedure to configure your phone to synchronize with a corporate email account.

1. From the Home screen, tap ➔ **Email** .
   Your accounts screen displays with an Email setup screen displayed.

2. Enter you email address in the **account@example.com** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
5. Tap **Manual setup**.
6. Tap the **Microsoft Exchange ActiveSync** field.
7. Enter your email address, Domain\User name, Password, and Exchange server. Configure secure connection and client certificate options as required, then tap **Next**.
8. At the **Activation** prompt, tap **OK**.
   The **Account options** screen is displayed.
9. Enter the desired information in the various fields, then tap **Next**.
10. Enter an Account name for this account (Optional) and tap **Done**.
    Wait for the Inbox to synchronize before use.
11. Press → **Settings** to change the account settings.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. From the Home screen, tap → **Email** .
   Your Email screen displays showing your emails from the active account.
2. Press → **Settings**.
3. Tap **Add account** to add another email account.
4. Enter the information required to set up another account. For more information, refer to *"Creating an Email Account"* on page 99.

Switching Between Email Accounts

1. From the Home screen, tap → **Email** .
   Your Email screen displays showing your emails from the active account.
2. Tap the Inbox button at the top of your screen.
   Your Email accounts screen is displayed.
3. Tap an Email account. You can also select **Combined view,** which displays email messages from all accounts.
   The new Email account is displayed.

Using Gmail

Gmail is Google's web-based email. When you first setup the phone, Gmail can be configured. Depending on the synchronization settings, Gmail can be automatically synchronized with your Gmail account.

Signing into Your Gmail

Note: You must sign in to your Gmail account in order to access Gmail.

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 9.
2. From the Home screen, tap → **Gmail**.
3. Follow the on-screen instructions.
   The Inbox loads conversations and email.

Creating a Gmail Message

1. From the Gmail Inbox, tap to create a new message.
2. Enter the recipient's Email address in the **To** field. Separate multiple recipient email addresses by a comma.
3. To add a carbon or blind copy, tap and select **Add Cc/Bcc**.
4. Enter the subject of this message in the **Subject** field.
5. Tap the **Compose email** field and enter your message.
6. Tap to send.

Viewing a Gmail Message

1. From the Gmail Inbox, tap a message to view it.
2. The following options are available at the bottom of the screen after a message has been selected:
   - **Archive**: archives the selected message.
   - **Delete**: deletes the message.
   - **Labels**: allows you to attach labels to a message. This is similar to putting it in a folder.
   - **Mark Unread**: after reading a message, marks as unread.
   - **Newer**: swipe your screen to the right to see newer messages.
   - **Older**: swipe your screen to the left to see older messages.
3. Press to select one of the following additional options:

- **Mark important/not important**: allows you to set the importance of a message.
- **Mute**: allows you to mute the sound in a message if applicable.
- **Report spam**: allows you to report a message as spam. Tap the UNDO option if you change your mind.
- **Report phishing**: allows you to report a message as phishing (attempting to acquire information such as username, password, or credit card details). Tap the UNDO option if you change your mind.
- **Settings**: displays Email settings that you can modify.
- **Send feedback**: allows you to send feedback or report a problem.
- **Help**: displays the Google.com webpage so you can search the web for help.

Other Gmail Options

1. Tap to refresh the screen, send and receive new emails, and synchronize your email with the Gmail account.
2. Tap to set up and manage Labels for your Gmail messages.
3. Tap to search through your Gmail messages.

Google Talk

Google Talk 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.

1. 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 9.
2. From the Home screen, tap ➔ **Talk**.
3. Begin using Google Talk.
4. Press ➔ **Help** for more information on using Google Talk.

Note: The Network confirms your login and processes. This could take up to 5 minutes to complete.

Google+

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

1. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 9.
2. From the Home screen, tap ➔ **Google+** .
3. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.
4. Follow the on-screen instructions to use Google+.
5. Visit www.google.com/mobile/+/ for more information.

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.

1. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 9.
2. From the Home screen, tap ➔ **Messenger** .

   – or –

   From the Google+ application, select **Messenger**.
3. Select the account you want to use to sign in to Google+ and tap OK.

   – or –

   Tap **Add account** to create another account.
4. Follow the on-screen instructions to add or follow people.
5. Tap **Next** at the bottom of the screen.
6. At the Messenger screen, tap to start a new message.
7. In the upper text field, enter a name, email address, or circle.
8. In the bottom message field, enter a message then tap .
9. From the Messenger screen, tap **Learn more** for more detailed information.

ChatON

ChatON provides a global mobile communication service where you can chat with more than two “buddies” via a group chat. Share things such as pictures, videos, animation messages (Scribbles), audio, Contacts, Calendar entries, and Location information.

For more information, visit: https://web.samsungchaton.com.

1. From the Home screen, tap → **ChatON** .
2. Tap **Sign in** to sync ChatOn with your Samsung account, which lets you use the same data on all devices connected to the account, or tap **Skip**.
3. Enter your name and tap .
4. Follow the on-screen instructions to add a buddy and begin your chat session.

Section 8: Changing Your Settings

This section explains the settings used for customizing your device.

Accessing Settings

1. From any Home screen, tap ➔ **Settings** .

   – or –

   From any Home screen, press ➔ **Settings**.

Settings Tabs

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

Connections:

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

My device:

This tab provides access to device configuration and customization features. Features include: Lock screen, Display, LED indicator, Sound, Home screen mode, Call, Blocking mode, Accessory, Accessibility, Language and input, Motions and gestures, Smart screen, Air view, and Voice control.

Accounts:

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

More:

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

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

Wi-Fi Settings

This section describes the Wi-Fi settings. For information on how to use Wi-Fi, see *"Wi-Fi"* on page 154.

Activating Wi-Fi

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. Tap **Scan** to scan for available Wi-Fi networks. For more information, refer to *"Connect to a Wi-Fi Network"* on page 154.

Activating Wi-Fi Direct

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

1. From the Home screen, tap → **Settings** → **Connections** → **Wi-Fi**.
2. Tap the ON/OFF slider to turn Wi-Fi Direct ON.
3. Tap **Wi-Fi Direct** and select a device in the list of available devices.

   For more information, refer to *"Wi-Fi Direct"* on page 156.

Advanced Wi-Fi Settings

The advanced Wi-Fi settings allow you to set up and manage wireless access points.

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

   The following options are available:

   - **Network notification**: alerts you when a new WAP is available.
   - **Passpoint**: allows you to connect to passpoint-enabled Wi-Fi Access Points automatically. Touch and slide the slider to the right to turn it on .
   - **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).

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

Bluetooth settings

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

Activating Bluetooth

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON . The Bluetooth icon is displayed in the status bar.

Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From the Home screen, tap ➔ **Settings** ➔ **Connections** ➔ **Bluetooth**.
2. Tap **Scan** to scan for nearby discoverable devices. After searching, tap a device to pair with it. For more information, refer to *"Pairing Bluetooth Devices"* on page 159.
3. Press and select a Bluetooth setting to configure:
   - **Visibility timeout**: Use this setting to control when to automatically turn off the Discoverable option: 2 minutes, 5 minutes, 1 hour, or Never timeout.
   - **Received files**: Show the list of files received by using Bluetooth.
   - Help: Provides additional information on Bluetooth and
   - Bluetooth settings.
4. Tap the checkbox next to **SAMSUNG-SGH-I337M** if you do not want your phone visible to other Bluetooth devices.

Data Usage

From this screen you can view your Mobile data usage and turn your Mobile data capability On or Off.

1. From the Home screen, tap ➔ **Settings** ➔ **Connections** ➔ **Data usage**.

2. Tap **Mobile data** to create a checkmark and turn Mobile data usage on.
3. Tap **Set mobile data limit** to create a checkmark and allow a data limit to be set.
4. Touch and drag the red limit bar to the GB limit that you desire.
5. Tap the **Data usage cycle** drop-down menu and select a date.

   The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of how much data was used per application.

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

6. Press to display additional options. Tap to activate.
   - **Data roaming**: enables Data roaming on your device.
   - **Restrict background data**: restricts some apps and services from working unless you are connected to a Wi-Fi network.
   - **Auto-sync data**: allows your accounts to automatically sync
   - **Show Wi-Fi usage**: displays a Wi-Fi tab that shows Wi-Fi use.
   - **Mobile hotspots**: displays available mobile hotspots.

More networks

This option displays additional Connectivity information.

- From the Home screen, tap ➔ **Settings** ➔ **Connections** ➔ **More settings**.

  Options display for Flight mode, Mobile networks, Tethering and portable hotspots, and VPN.

Flight mode

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

Important! When your phone is in Flight Mode, it cannot send or receive any calls or access online information or applications.

1. From the Home screen, tap ➔ **Settings** ➔ **Connections**.
2. Tap the Flight mode checkbox to create a checkmark and activate the feature.
3. At the **Enable flight mode** prompt, tap **OK**.

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

Mobile networks

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

Mobile data

To enable data access over the mobile network, this option must be selected. It is set on by default.

1. From the Home screen, tap → **Settings** → **Connections** → **More networks** → **Mobile networks**.
2. Tap **Mobile data** to create a checkmark and activate the feature.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the Home screen, tap → **Settings** → **Connections** → **More networks** → **Mobile networks**.
2. Tap **Data roaming** to create a checkmark and activate the feature.

Access Point Names

To use Wi-Fi you need access to a wireless access point (hotspot).

1. From the Home screen, tap → **Settings** → **Connections** → **More networks** → **Mobile networks**.
2. Tap **Access Point Names**.

   A list of the Access Point names display. The active access point displays a green, filled circle to the right of the name.

Network Operators

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

1. From the Home screen, tap → **Settings** → **Connections** → **More networks** → **Mobile networks**.

2. Tap **Network operators**.
   The current network connection displays at the bottom of the list.

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

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

Default setup options

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

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

Tethering & portable hotspot

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

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 checkmark and activate the feature. The USB tethering icon is displayed at the top of your screen.

Portable Wi-Fi Hotspot

1. From the Home screen, tap **➔ Settings ➔** **Connections ➔ More networks ➔ Tethering and portable hotspots ➔ Portable Wi-Fi Hotspot**.
2. Turn Portable Wi-Fi Hotspot on by tapping the slider so that it changes to the ON position .
   The Wi-Fi Hotspot icon is displayed at the top of your screen.
3. Tap **Configure**.

4. Enter or edit the Network SSID, Hide my device, Security setting, and Password as required.
5. Tap **Show password** and **Show advanced options** to see them displayed.
6. Tap **Save**.
7. Press for the following options:
   - **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 **[SGH-I337Mxxxx]** 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.

VPN

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

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

Adding a 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 *"Security"* on page 138.
2. From the Home screen, tap ➔ **Settings** ➔

Connections ➔ **More settings** ➔ **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 *"Security"* on page 138.
2. From the Home screen, tap ➔ **Settings** ➔

Connections➔ **More settings** ➔ **VPN**.
3. Tap **Advanced IPsec VPN**.
4. Tap **Add VPN connection**.
5. Enter a password and tap **OK**.
6. Enter a name for the VPN connection in the **VPN connection name** field.
7. Select an 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 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 .

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 Player, 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 106.
2. From the Home screen, tap ➔ **Settings** ➔ **Connections** ➔ **Nearby devices**.
3. Tap the **File sharing** checkbox to create a checkmark 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 an optional AllShare Cast dongle, which is available as an accessory. See your 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. Press ➔ **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 154.

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 6.

Screen Lock

1. From the Home screen, tap ➔ **Settings** ➔ **My device** ➔ **Lock screen**.
2. Tap **Screen lock** for these options then follow the onscreen 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 the type of Screen Lock you have selected.

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

My device ➔ **Lock screen** ➔ **Lock screen options**.
2. The following options are available depending on the Screen Lock type that you have selected:

Swipe options

- **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 .
- **Auto unlock zone** disables the screen lock when this feature is enabled. 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

- **Multiple widgets:** display multiple lock screen widgets on your lock screen.
- **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.
- **Auto unlock zone** disables the screen lock when this feature is enabled. Touch and slide the slider to the right to turn it on .

- **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.
- **Make pattern visible** allows you to see the pattern as you draw it.
- **Lock automatically** locks the screen 5 seconds after the screen automatically turns off.
- **Lock instantly with power key**: screen locks when power key is pressed to turn screen off.

Pattern options

- **Multiple widgets:** display multiple lock screen widgets on your lock screen.
- **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.
- **Auto unlock zone** disables the screen lock when this feature is enabled. Touch and slide the slider to the right to turn it on .
- **Make pattern visible** allows you to see the pattern as you draw it.
- **Lock automatically** locks the screen 5 seconds after the screen automatically turns off.
- **Lock instantly with power key**: screen locks when power key is pressed to turn screen off.

PIN and Password options

- **Multiple widgets:** display multiple lock screen widgets on your lock screen.
- **Lock screen widgets** allows you to lock the widgets that are displayed on your home screens.
- **Auto unlock zone** disables the screen lock when this feature is enabled. Touch and slide the slider to the right to turn it on .
- **Lock automatically** locks the screen 5 seconds after the screen automatically turns off.
- **Lock instantly with power key**: screen locks when power key is pressed to turn screen off.

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 37.
- **Notification panel:** allows you to set the brightness of your screen from the notification panel and also select the quick setting buttons that you want to display in the notification panel. For more information, refer to *"Notification Bar"* on page 40.
- **Multi window**: tap this option to enable/disable the automatic Multi window feature.
- **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 capture immediately after it is taken.
- **Auto adjust screen tone**: save power by adjusting screen tone according to analysis of images.
- **Auto adjust touch sensitivity**: allows you to adjust the touch sensitivity of your phone automatically.

LED indicator

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

1. From the Home screen, tap ➔ **Settings** ➔ **My device** ➔ **LED indicator**.
2. Tap the following LED indicator options to turn them on or off:
   - **Charging**: LED lights up when the device is connected to the charger.
   - **Low battery**: LED lights up when the battery level is low.
   - **Notifications**: LED lights up when you have missed calls, messages, or application events.
   - **Voice recording**: LED lights up when you are recording voice. The LED only lights up when the screen is off.

Sound Settings

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

- 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 Music, video, games and other 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**.

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.

Notifications

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 checkmark 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 checkmark 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 sound level during calls and while playing music.

1. From the Home screen, tap ➔ **Settings** ➔ **My device** ➔ **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 **Basic 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:
   - **Basic 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**.

Call Settings

To access the Call settings menu:

- From the Home screen, tap ➔ ➔ **Call settings.**

  – or –

- From the Home screen, tap ➔ **Settings** ➔ **My device** ➔ **Call**.

Call rejection

1. From the Call settings screen, tap **Call rejection**.
2. Tap **Auto reject mode** and tap one of the following options:
   - **Off:** calls are not rejected.
   - **All numbers**: to reject all calls.
   - **Auto reject numbers**: to reject all calls in your Reject list.
3. Tap **Auto reject list**.
4. Tap **Create** to manually add numbers to the Reject list.

5. Tap **Unknown** to create a checkmark and automatically reject all calls that are not in your Contacts list.

Set reject messages

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Set up call reject messages**.
2. Tap **Create** 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 ➔ ➔ **Call settings** ➔ **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 uses the proximity sensor to turn off the screen when the phone is held near your face during a call, saving power.

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Turn off screen during calls** to create a checkmark and enable the feature.

Call alerts

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Call alerts**.
2. Tap the following options to create a checkmark 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 during calls**: turns on alarm and message notifications during a call.

Call Accessories

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **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.

Additional settings

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **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. Enter a code and tap **OK**.
   - **Call barring:** allows automatically blocking All outgoing calls, International calls, Int'l (International) calls except home, All incoming calls, or Incoming when roaming.
   - **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 ➔ ➔ **Call settings** ➔ **Additional settings** ➔ **Fixed Dialing Numbers**.
2. Tap **Enable 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 ➔ ➔ **Call settings** ➔ **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 ➔ ➔ **Call settings** ➔ **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 ➔ ➔ **Call settings** ➔ **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 checkmark if you want your phone to vibrate when a call is incoming.
5. Tap **Keypad tones** to create a checkmark 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 ➔ ➔ **Call settings** ➔ **Personalize call sound**.
2. At the Personalize call sound display, tap one of the following options:
   - **Adapt sound**: allows you to customize your sounds. Follow the on-screen instructions to set up your personal call sound.

- **Soft sound**: plays a softer sound when the other party is in a noisy environment.
- **Clear sound**: plays a clearer sound when the other party sounds unclear or muffled.
- **Off**: turns off your customized call sound and plays the default sounds.

Noise reduction

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

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Noise reduction** to create a checkmark 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 ➔ ➔ **Call settings** ➔ **Increase volume in pocket** to create a checkmark and enable the feature.

Voicemail service

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Voicemail Service**.

   Voicemail service provided by your carrier is the default.

Voicemail settings

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

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Voicemail settings**.
2. Tap the **Voicemail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap **Done**.
3. Tap **OK**.

Sound

This option allows you select the sound played when you receive a voicemail message.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Sound**.
2. Tap a ringtone to hear it played.
3. Select a ringtone and tap **OK**.

Vibrate

This option allows you select vibration settings for voicemail notification.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Vibrate**.
2. Tap **Always**, **Only in Silent mode**, or **Never**.

Internet call settings

Accounts

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Accounts**.
2. Tap **Receive incoming calls** to enable reception of incoming Internet calls.

Use Internet calling

Choose when to use Internet calling.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Use Internet calling**.
2. Select **For all calls when mobile network available**, **Only for Internet calls**, or **Ask for every call**.

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. 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. Tap the selection box to place a checkmark adjacent to those features you would like to enable. Choose from: Disable incoming calls, Disable notifications, Disable alarm and timer, Disable LED indicator.
4. Configure a timeframe for these features to be active. To set a specific time, remove the checkmark from the **Always** field and 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, Favourites, or Custom. Allowed contacts will then appear in the **Allowed contact list**.

Power Saving Mode

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

1. From the Home screen, tap ➔ **Settings** ➔ **My device** ➔ **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 checkmark 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.
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 **Dock sound** to play sounds when inserting or removing the phone from the dock.
3. Tap **Audio output mode** to use the external dock speakers when the phone is docked.
4. Tap **Desk home screen display** to display the desk home screen whenever the phone is docked.
5. 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.

- **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 colours**: reverse the display of on-screen colours from White text on a Black background to Black text on a White background.
- **Colour adjustment**: allows you to adjust the display colours if you are colour blind and have difficulty reading the display because of the colours. 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 two quick steps. Touch and slide the slider to the right to turn it on . Follow the on-screen instructions.
- **Text-to-speech output**: allows you to adjust your text-to-speech settings. For more information, refer to *"Speech Settings"* on page 131.
- **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 stereo earphones.
- **Mono audio**: allows you to combine stereo audio 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 including the receiver.
- **Flash notification**: allows you to set your camera light to blink whenever you receive a notification.
- **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 onscreen instructions.
- **Tap 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.

Language and input

This menu allows you to configure the language in which to display the menus. You can also set onscreen 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. Tap **Default** and select a keyboard.
Samsung keyboard is the only pre-installed keyboard.
3. Tap **Set up input methods**.
4. Tap the icon next to the input method that you would like to configure the settings for.

5. 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 checkmark 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 keypad types** allows you to choose a keypad configuration (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 .
   - **Continuous input** 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.
   - **Handwriting** enables the device to recognize on-screen handwriting and convert it to text.
   - **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.

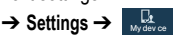
– **Key-tap vibration** enables vibration feedback when you tap an on-screen key.

– **Key-tap sound** enables auditory feedback when you tap an on-screen key.

- **Help** 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:
   - **Auto replacement:** Complete or replace the word you are typing by the most probable word when you tap the space bar or a punctuation mark.
   - **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 personalized data**: removes all personalized data that you have entered.

- **privacy policy**: click the 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.
   - **Download offline speech recognition**: Enables voice input while offline.
   - **Bluetooth headset**: Record audio through a Bluetooth headset.
3. Tap **Text-to-speech options** and select **Google Text-to-speech Engine** or **Samsung 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 Google Text-to-speech Engine**: allows you to view the associated Open Source Licenses.
   - **Settings for Samsung Text-to-speech engine**: allows you to choose the language for Samsung TTS.
   - **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 make the pointer move 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 26.

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

Air gesture

Air gesture allows you to control your device by performing motions above the sensor.

1. From the Motions and gestures screen, tap **Air gesture**.
2. Tap the ON/OFF icon at the top of your screen to activate Air gesture.
3. Tap **Learn about the sensor and the icon** to learn more about the Air gesture sensor and its location.
4. The following Air gesture features are available:
   - **Quick glance**: when your screen is off, reach towards your device and it will display information such as time, date, missed calls, incoming messages, and battery strength. Tap the ON/OFF icon to turn it on.
   - **Air jump**: move your hand up or down above the sensor to jump to the top or bottom of a page or list. Tap the ON/OFF icon to turn it on.
   - **Air browse**: move your hand to the right or left above the sensor to move to the previous or next item such as pictures or web pages. Tap the ON/OFF icon to turn it on.
   - **Air move**: use one hand to press and hold an icon then move your other hand to the left or to the right above the sensor to move the icon to another page. You can also use this feature in your calendar to move events to another day. Tap the ON/OFF icon to turn it on.
   - **Air call-accept**: wave your hand above the sensor to accept an incoming call. Tap the ON/OFF icon to turn it on.
5. Press → **Help** for additional information.

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 tilt the device back and forth to zoom in or out. 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. Press ➔ **Help** for additional information.

Palm motion

Palm motion allows you to control your device by touching your screen with the palm of your hand.

1. From the Motions and gestures screen, tap **Palm motion**.
2. Tap the ON/OFF icon at the top of your screen to activate Palm motion.
3. The following options are available:
   - **Capture screen**: Once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right. The image is then copied to the clipboard. Tap the ON/OFF icon to turn it on.
   - **Mute/pause**: Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound. Tap the ON/OFF icon to turn it on.
4. Press ➔ **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 checkmark and activate the features:
   - **Smart stay**: disables the screen timeout if your phone detects that your face is watching the screen.
   - **Smart rotation**: disables the auto screen rotation by checking the orientation of your face and the device.
   - **Smart pause**: pauses videos when your device detects that your head has moved away from the screen.
   - **Smart scroll**: scrolls the screen when your eyes are detected and the device is tilted.
3. Tap the ON/OFF icon to the right of the Smart scroll field to activate the feature. With Smart scroll, the screen will scroll depending on the phone's tilt angle once your eyes have been detected.

Air view

With the Air view feature, you can hover your finger over the screen and Air view features will be displayed. For example, you can hover your finger over a scheduled item in your calendar to see more details.

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

My device ➔ **Air view**.
2. Tap the ON/OFF icon at the top of your screen to activate Air view.
3. The following options are available. Tap an option to create a checkmark and activate the feature.

- **Information preview**: allows you to see information previews, extended text, and enlarged images when you hover your finger over the screen.
- **Progress preview**: allows you to preview a scene or show elapsed time when you hover your finger over the progress bar while watching a video.
- **Speed dial preview**: allows you to see the contacts and their speed dial numbers when you hover your finger over them in your contacts list.
- **Webpage magnifier**: allows you to see magnified links on webpages when you hover your finger over them.
- **Sound and haptic feedback**: allows you to play sound and feel vibration when you hover your finger over Air view items.

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 checkmark and activate the feature.
   - **Incoming calls**: allows you to answer or reject calls using the commands **Answer** and **Reject**.
   - **ChatON**: allows you to answer or reject calls using the commands **Answer** and **Reject**.
   - **Alarm**: allows you to stop or snooze an alarm by using the commands **Stop** and **Snooze**.
   - **Camera**: allows you to take pictures using the voice commands **Smile**, **Cheese**, **Capture**, or **Shoot**.
   - **Music**: allows you to control your Music player using the voice commands **Next**, **Previous**, **Pause**, **Play**, **Volume Up**, and **Volume Down**.

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

Add Account

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

Adding an Account

1. From the Home screen, 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 email account will also be displayed in the **Accounts** section of the main Settings menu.

Removing an Account

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

1. From the Home screen, tap ➔ **Settings** ➔ **Accounts**.
2. In the **My Accounts** section, tap the account name.
3. Tap the account name.
4. Tap **Remove account**, then tap **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Synchronizing Accounts

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

1. From the Home screen, tap ➔ **Settings** ➔ **Accounts**.
2. In the **My Accounts** section, tap the account name.
3. Tap the account name.
4. Tap **Sync now** to synchronize your account or tap **Sync all** to synchronize all your accounts. Tap **Cancel sync** to stop the synchronization.
5. Tap **Settings** to access your account settings.

Backup and reset

The Backup 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 the Home screen, tap ➔ **Settings** ➔ **Accounts** ➔ **Backup 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 the Home screen, tap ➔ **Settings** ➔ **Accounts** ➔ **Back up and reset**.
2. Tap **Backup account** and tap your Google Gmail account or tap **Add account** to set your Google Gmail 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 the Home screen, tap ➔ **Settings** ➔ **Accounts** ➔ **Back up and reset**.
2. Tap **Automatic restore** to enable or disable automatic restoration of settings and data 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 the 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 checkmark and activate the service:
   - **Access to my location:** allows apps that have asked your permission to use your location information. Tap the ON/OFF slider to turn it on.
   - **Use GPS satellites**: allows applications to use GPS to pinpoint your location.
   - **Use wireless networks**: allows applications to use data from mobile networks and Wi-Fi to help determine your location.
   - **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.

Note: 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 114.

1. From the Home screen, tap ➔ **Settings** ➔ **More** ➔ **Security**.
2. Tap **Encrypt device**. For more information, read the displayed help screen.
3. Tap **Encrypt external SD card** to enable the encryption of SD card data, which requires a password be entered each time the microSD card is connected.

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

Find my mobile

Remote controls

Remote controls uses the SamsungDive service to track and control your device remotely. Also, using the Find my mobile feature, you can find your missing phone. See www.samsungdive.com for more information.

To enable remote controls:

1. From the Home screen, tap ➔ **Settings** ➔ **More** ➔ **Security** ➔ **Remote controls**.
2. Tap **OK**.
3. Tap the ON/OFF slider to turn Remote controls on.

SIM Change Alert

SIM Change Alert sends an SMS message to preset phone numbers if your phone is ever turned on with a different SIM card in it.

1. From the Home screen, tap ➔ **Settings** ➔ **More** ➔ **Security** ➔ **SIM Change Alert**.
2. Tap **Sign in** and sign in to your Samsung account.

   – or –

   Tap **Create account** and set up a Samsung account.
3. Tap the ON/OFF slider to turn SIM Change Alert on.
4. Tap **Alert message**, enter the message to be sent, and tap **OK**.
5. Tap **Create** to enter the phone number to receive the SMS message or **Contacts** to select a number from your contact list.
6. Enter the number and tap **OK**, or select the number and tap **Done**.

7. Tap **Save**.

Note: Requires a Samsung account.

FInd my mobile web page

Opens the SamsungDive web page (www.samsungdive.com) where you can find more information and sign up for the service.

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**.

2. Tap **Set up SIM card lock**.
3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

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

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

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 checkmark 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 of 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**.
2. Tap **Device administrators**.
3. 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 applications from sources other than Play Store.

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

Block or warn before installing apps that may cause harm.

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 **Disable** to disable a System certificate or **Remove** to remove a User certificate.

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

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, you operate this device at your 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**, **RUNNING**, or **ALL** to display memory usage for that category of applications.

   The graph at the bottom of the Downloaded tab shows used and free device memory. The graph at the bottom of the Running tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From the Home screen, tap ➔ **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, press ➔ **Sort by size** or **Sort by name**.
4. To reset your application preferences, press ➔ **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.

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 any application 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**, **Cell standby**, **Android OS**, **Android System**, **Wi-Fi**, **Phone**, 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 41.

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

Unmount

- To unmount your SD card so that you can safely remove it, tap **Unmount SD card** then tap **OK**.

Format

To format your SD card:

1. Tap **Format SD card**. This will delete all data on your SD card including music, videos, and photos.
2. Tap **Format SD card** again.
3. Tap **Delete all** to continue or press to cancel.

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

Date and time

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

To automatically maintain the date and time:

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.

To manually set the date and time:

Important! Automatic date and time must be deactivated in order to manually set the time and date.

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1. Tap **Automatic date and time** and **Automatic time zone** to remove checkmarks from the selection boxes and disable automatic setting of the date and time.
1. Tap **Set date** and tap the up and down arrows to set the **Month**, **Day**, and **Year** then tap **Set**.
2. Tap **Set time** and tap the up and down arrows to set the **Hour**, **Minute**, and **PM/AM**, then tap **Set**.
3. Tap **Select time zone**, then tap a time zone.
4. Optional: Tap **Use 24-hour format**. If this is not selected the phone automatically uses a 12-hour format.
5. 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, kernal 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 146.

- **Status**: displays the Battery status, Battery level (percentage), Network, Signal strength, Mobile network type, Service state, Roaming status, Mobile network state, the phone number for this device (My phone number), 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 licences as well as Google legal information. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference. Read the information and terms, then press to return to the Settings menu.
- **Device name:** displays the current device name and allows you to change the device 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.
- SELinux status: displays the status of SELinux. SELinux is a set of security policies/modules which is applied to the device to improve the overall security.

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

Software Update

The 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** ➔ **Software update**.
2. Tap **Update** to check for updates.
3. At the **Software update** prompt, tap the checkbox to accept the Terms and conditions, then tap **Confirm** to continue.

4. The phone automatically updates the software (if available), otherwise, when the prompt **The latest updates have already been installed** 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.

Internet

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 Mobile Web

To access the Browser:

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

  The default 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 return to a previous page, press .
5. To move forward to a web page, press .

Zooming in and out of the Browser

There are several ways to Zoom in and out on your browser. 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 132.
- **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 any webpage, press to access the following options:
   - **New window**: displays a new window so you can browse multiple URLs. For more information, refer to *"Adding and Deleting Windows"* on page 150.
   - **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 save the page image to the Saved pages folder.
- **Share via**: allows you to share the page using Bluetooth, ChatON, Dropbox, Email, Flipboard, Gmail, Google, Google+, 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 150.
- **Saved pages**: shows web pages you have saved using the Save page option.
- **History**: displays your browsing history. You can tap on a listing to open the page.
- **Desktop view**: allows you to assign the browser to display the current page in the desktop view (to closely mimic the display as it would appear on a desktop computer).
- **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.
- **Settings**: allows you to modify your web settings. For more information, refer to *"Browser Settings"* on page 152.
- **Help**: allows you view additional information concerning the Internet application.

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. From any webpage, tap the URL field at the top of the screen.
2. Enter the keyword(s) to search using the on-screen keypad and tap **Go**.

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, press ➔ **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 the normal browsing. Pages viewed in this incognito window won't appear within your browser history or search history, and no traces (such as cookies) are left on your device.

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

To add a new incognito window:

1. From your browser, press ➔ **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 browser windows operating 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 on the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From any webpage, tap (**Bookmarks**).
   The Bookmarks page is displayed.
2. Press to display the following options:

- **List/Thumbnail view**: Select **Thumbnail view** (default) to view a thumbnail of the webpage with the name listed, or select **List view** to view a list of the bookmarks with Name and URL listed.
- **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 151.
   - **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 152.
   - **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**.

   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 that 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 any webpage, press ➔ **Settings** ➔ **Privacy** ➔ **Delete personal data**.
2. Tap **Cookies and site data** to create a checkmark.
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 any webpage, press ➔ **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. Press ➔ **Clear history** to delete the History list.

Saved Pages

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

1. From any webpage, tap ➔ **Saved pages** tab.

   A list of your saved webpages is displayed with Name and URL address. 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 any 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 URL 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:** remember data typed into forms for later use.
- **Remember passwords:** Save usernames and passwords for visited sites.
- **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.
- **Enable location**: Allows websites to request access to your location.
- **Enable JavaScript**: Enables Javascript for the current Web page. Without this feature, some pages may not display properly. Remove the checkmark to disable this function.
- **Block pop-ups**: Prevents popup advertisement or windows from appearing on-screen. Remove the checkmark to disable this function.
- **Default storage**: Allows you to set your default storage to Phone or Memory Card.

- **Website settings**: View advanced settings for individual websites.
- **Enable 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.
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 use.

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 **Save** 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 Wi-Fi is active but 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 156.

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. Press ➔ **Advanced**.

   The following options are available:

   - **Network notification**: alerts you when a new open WAP is available.
   - **Passpoint**: allows you to connect to passpoint-enabled Wi-Fi Access Points automatically. Touch and slide the slider to the right to turn it on .
   - **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).
   - **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. 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. To change your Device name, press → **Rename device**.
10. For additional information about Wi-Fi Direct, press → **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. 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.

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 112.

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 Player, and more. For more information, refer to *"S Beam"* on page 113.

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 Bluetooth settings page, press → **Rename device**.
2. Enter a new name.
3. Tap **OK** to complete the rename process.

To make your device visible:

1. From the Bluetooth settings page, press → **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, press → **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.

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.

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.

For example, to share contact information:

1. Verify your Bluetooth is active.
2. From the Home screen, tap **Contacts** .
3. Press ➔ **Import/Export** ➔ **Share namecard via**.
4. Tap each contact that you would like to send via Bluetooth. A green checkmark 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 preloaded on your device. Information concerning third party applications that you choose to download from the Google Play Store or otherwise should be obtained from the application provider.

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 34.

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, press → **Clear history**.
8. To change the text size, press → **Text size**. Tap Small, Medium, or Large.

Scientific Calculator

- With the calculator open, turn your phone sideways to the landscape position to display the scientific calculator.

Camera

Use your 13 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 84.

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 104.

Chrome

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

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 camera, 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**: phone plays a slowly increasing natural sound and displays the alarm screen for a preset time before the set alarm goes off. Set the Interval and the Tone then tap **Save**.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 163.

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 checkmark 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 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 appears on the World Clock listing.

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 measure lap time.
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 change the number of minutes as required.
3. Similarly, tap the **Hours** field to set hours and the **Seconds** field to set seconds. As you tap fields, they are highlighted.
4. Tap **Start** to begin the timer and tap **Stop** to pause the timer.
5. 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**.

   The following options are available 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.

For more information, refer to *"Contacts and Your Address Book"* on page 60.

Downloads

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

1. From the Home screen, tap ➔ **Downloads** . All of your downloads are listed.
2. Tap the **Internet downloads** tab to see all of the downloads you have made from the Browser.
3. Tap the **Other downloads** tab to see all other downloads.
4. Tap **Sort by size** to see your downloads sorted in size order.
5. Tap **Sort by date** to see your downloads sorted in time order.

Dropbox

Dropbox is a free service that lets you bring all your photos, documents, and videos anywhere. Any file you save to your Dropbox will automatically save to all your computers, phones and even the Dropbox website.

1. From the Home screen, tap ➔ Dropbox .
2. Follow the onscreen instructions to sign up for your Dropbox account.

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 99.

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. Tap **Get started**, select some on-screen categories and tap **Done** to create a new profile.

   – or –

   Tap **Sign In** to log into your previously created profile.
3. Follow the on-screen instructions.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 81.

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 101.

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 25.

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 103.

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. 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, tap **Create group**.

   Mobile AP is enabled.
2. Tap one of the media items listed under the **Sharing content** heading.
3. Tap the items you want to share to create a checkmark, then tap **Done** or **OK**.

4. Have your friends sign onto Group Play from their devices and they can view your media using you as a Mobile AP.

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**.
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. Press → **Help** for additional information.

Help

The Help application provides detailed help for using your phone and the included features and applications.

1. From the Home screen, tap → **Help**.
2. Tap one of the following for more information:
   - **New features**: provides help on all of the new features and applications such as Air gesture, Air view, Group Play, etc.
   - **Basics**: provides basic information on using your phone.
   - **Applications**: provides information on how to use basic applications like Contacts, Email, S Memo, Internet, Camera, etc.
   - **Settings**: provides information on important settings such as Wi-Fi, Bluetooth, Ringtone, Power saving mode, and NFC.
   - **Online help**: provides more detailed online help for additional questions you may have.
   - **Available accessories**: provides information on accessories for your phone that are available for purchase.

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 *"Internet"* on page 148.

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 to view the details.

   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.

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 checkmark 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.

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 103.

Music

Music allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music"* on page 76.

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 phone's internal storage.
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 81. Also, see *"Viewing Videos"* on page 82.
   - **Documents:** contains document files.
   - **Download**: this folder contains downloads you have made.
   - **Movies**: this folder contains your Video and Movie files.

- **Music**: this folder contains your Music files.
- **Nearby:**
- **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.
- **SamsungHub**: contains content downloaded using Samsung Hub.
- **S Memo**: this folder contains all the S Memos you have written.
- **SMemoExports**: images exported from SMemo (such as when capturing a Contact photo from an S Memo).

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

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

Navigation

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

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

Optical Reader

The Optical Reader allows you to use your camera to identify text and extract useful information or translate the content.

1. From the Home screen, tap ➔ **Optical Reader** .
2. Aim the pointer at the centre of the screen at words, contact information or a QR code.The device recognizes the content and the type of information, and provides related functions.
3. Tap a function to execute it.
4. Press to access the following options:
   - **Load image**: load a saved image to the photo reader.
   - **History**: view previously analyzed content.
   - **Language settings**: choose a recognition language.
   - **Dictionaries**: choose a dictionary

- **Saving option**: choose whether to save capture images
- **Help**: view additional information on using Photo Reader.

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 43.

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 9.
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 9.
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

With Google Play Movies, you can rent thousands of different movies and view your own personal videos. You can watch movies instantly, or download your movie for offline viewing at a later time. For more information, refer to *"Play Movies"* on page 81.

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

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 101.

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** or **Games** 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 **Done** to complete the process.

   – or –

   Touch **Skip** to ignore this registration.

   The main Polaris Office screen displays.
3. Follow the on-screen instructions to use Polaris Office.

S Health

S Health is a wellness application that allows you to better manage your health by providing you with relevant information.

1. From the Home screen, tap → **S Health** .
2. Read the introduction and tap **Next**.

3. Read the Terms and conditions, tap the three **I agree** checkboxes.
4. Tap **Next**.
5. Enter your personal information, then tap **Start**.
6. Follow the on-screen instructions to use S Health.
7. Tap → **Guide** for more detailed information.

S Memo

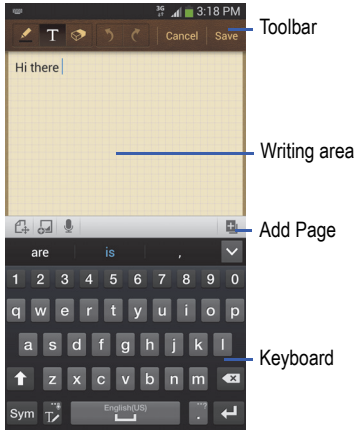
The S Memo application allows you to create memos using the keypad, your finger, or both. You can add images, voice recordings, and text all in one place.

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.



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.

Eraser tool allows you to erase marks and drawings.

Undo the last action.

Redo the last action that was undone.

Make a voice recording to add to the memo.

Hide the secondary toolbar.

Show the secondary toolbar.

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.

3. Press to access the following options:

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

- **Share via**: allows you to share your memo as either an Image file, a PDF file or S Memo file (.snb) via Group Play, Wi-Fi Direct, Bluetooth, ChatON, Dropbox, Flipboard, Picasa, Google+. Messaging, 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.
- **Change background**: allows you to set the background for your memo. Swipe the screen to the left or right to select a background and then tap **Done**.
- **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 Planner

With the S Planner 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 ➔ **S Planner** .
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. Press 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.

S Planner Settings

1. From any Calendar view, press ➔ **Settings**.
2. Tap **Month 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.

S Translator

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

1. From the Home screen, tap → **S Translator** .
2. Sign in with your Samsung Account if you have not already done so. For more information, refer to *"Creating a Samsung Account"* on page 8.
3. At the S Translator screen, tap the top language bar to select your language.
4. Tap the language bar in the middle 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. Press 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 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 **Handwriting** screen, then tap **Next**.
8. Read the information on the **Edit what you said** screen, then tap **Next**.
9. Read the information on the **Help** screen, then tap **Finish**.
10. At the S Voice screen, say “Hi Galaxy” to wake up S voice.
11. Speak into the phone and follow the on-screen instructions.

Samsung Apps

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

1. From the Home screen, tap ➔ **Samsung Apps** .
2. Tap an application that you would like, then tap **Get**.
3. Tap **Accept and download**.
4. The application is downloaded to your device. You can find the app icon in your app menu.
5. Press ➔ **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. You can browse and purchase all media content within a single store front. For more information, refer to *“Samsung Hub”* on page 71.

Samsung Link

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.

For more information, refer to *"Samsung Link"* on page 74.

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 105.

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. Press ➔ **Help** for additional information.

Talk

Google Talk 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 *"Google Talk"* on page 102.

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, or tap **Skip for now**.
3. Follow the on-screen instructions to use TripAdvisor.
4. Press for additional options.

Video

The Video application plays video files stored on your memory card. For more information, refer to *"Video"* on page 80.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using Bluetooth, Dropbox, Email, Gmail, Messaging or Wi-Fi Direct. 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. Press to display the following options:

- **Share via**: allows you to share your recording using Bluetooth, Dropbox, 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**: turn noise reduction on or off.

– **Recording volume**: set recording volume for Quiet place, Noisy place, or Auto (default).
– **Channel**: choose whether to record a stereo or mono signal.
– **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 microphone icon changes from red to gray, tap the icon and speak the word or words that you would like to search for on the internet. Results are displayed on your phone.

WatchON

With the Samsung 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, press .

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. Press 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, press and then select **Help**.

WatchOn Settings

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

2. Press 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, press 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, press and then select **Settings** ➔ **Add room**.
4. Name the new room and tap **Next**.
5. Enter your current postal code and tap **Done**. This code must correspond to the location of your desired TV and set top box.
6. Follow steps 4-10 starting on page 183 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 use a large data plan or Wi-Fi access to avoid excessive data charges.

1. From the Home screen, tap ➔ **YouTube** .
2. Tap the search field to search for specific videos, scroll down to browse through the main page thumbnails, or tap and drag the screen to the right and select a category.
3. To view a video, tap an available preview thumbnail or tap the title link.

To watch a high quality video:

- Press and then tap **Settings** ➔ **General** ➔ **High Quality on mobile**.

To configure YouTube Settings:

- Press and then tap **Settings** and configure the following parameters:
  - **General**
    - **High quality on mobile** 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 onscreen 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 your subscription videos while on Wi-Fi and charging.

– **Preload watch later** allows you to preload 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**.

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