Samsung GALAXY S 4 mini

A N D R O I D   S M A R T P H O N E

User Manual

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

SAMSUNG

Warning! This product contains chemicals known to the State of California to cause cancer and reproductive toxicity.

Intellectual Property

All Intellectual Property, as defined below, owned by or which is otherwise the property of Samsung or its respective suppliers relating to the SAMSUNG Phone, including but not limited to, accessories, parts, or software relating there to (the "Phone System"), is proprietary to Samsung and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with SAMSUNG and its suppliers.

Open Source Software

Some software components of this product incorporate source code covered under GNU General Public License (GPL), GNU Lesser General Public License (LGPL), OpenSSL License, BSD License and other open source licenses. To obtain the source code covered under the open source licenses, please visit:

http://opensource.samsung.com.

Disclaimer of Warranties; Exclusion of Liability

SAFE™ (Samsung Approved For Enterprise)

SAFE™: "SAFE™" (Samsung for Enterprise) is a mark for a Samsung device which has been tested against Samsung's own internal criteria for interoperability with certain third party security-related solutions for MDM and VPN. The testing includes field testing with local network connection and menu tree testing which tests functionality of the solutions in conjunction with the Samsung device. During the testing, the device is tested with the security solutions to see if the solutions work with the device as described by the third party security solution providers. The testing, for example, includes field testing with local network connection and menu tree testing which tests functionality of the solutions in conjunction with the Samsung device. For more information about Samsung's SAFE™ program, please refer to www.samsung.com/us/safe.

Disclaimer of Warranties: EXCEPT AS OTHERWISE PROVIDED IN THEIR STANDARD END USER LICENSE AND WARRANTY, TO THE FULL EXTENT PERMITTED BY LAW SAMSUNG ELECTRONICS CO., LTD., SAMSUNG TELECOMMUNICATIONS AMERICA, LLC, AND THEIR AFFILIATES (COLLECTIVELY REFERRED TO HEREIN AS THE "SAMSUNG ENTITIES") EXPRESSLY DISCLAIM ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, INTEROPERABILITY OR NON-INFRINGEMENT, WITH RESPECT TO INFORMATION TECHNOLOGY SECURITY PROTECTION, SAFE™ DEVICES AND APPLICATIONS TESTED WITH SAFE™ DEVICES. IN NO EVENT SHALL THE SAMSUNG ENTITIES BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER WITH RESPECT TO INFORMATION TECHNOLOGY SECURITY PROTECTION, SAFE™ DEVICES OR APPLICATIONS TESTED WITH SAFE™ DEVICES. In addition, information technology security protection will be affected by features or functionality associated with, among other things the e-mail platform, master data management, and virtual private network solutions selected by the software provider, solution provider or user. Choice of an e-mail, master data management, and virtual private network solution is at the sole discretion of the software provider, solution provider or user and any associated effect on information technology security protection is solely the responsibility of the software provider, solution provider or user. For complete statement of limited warranty, please refer to www.samsung.com/us/safe, available on the web and where Samsung smartphones and mobile devices are sold. [051214]

Samsung Telecommunications America (STA), LLC

Headquarters:
1301 E. Lookout Drive
Richardson, TX 75082

Phone: 1-800-SAMSUNG (726-7864)
Phone: 1-888-987-HELP (4357)

Internet Address:
www.samsung.com

©2014th Samsung Telecommunications America, LLC. Samsung is a registered trademark of Samsung Electronics Co., Ltd.
Do you have questions about your Samsung Mobile Phone?
For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:
www.samsung.com/us/support
The actual available capacity of the internal memory is less than the specified capacity because the operating system and default applications occupy part of the memory. The available capacity may change when you upgrade the device.
Nuance®, VSuite™, T9® Text Input, and the Nuance logo are trademarks or registered trademarks of Nuance Communications, Inc., or its affiliates in the United States and/or other countries.
ACCESS® and NetFront™ are trademarks or registered trademarks of ACCESS Co., Ltd. in Japan and other countries.
The Bluetooth® word mark, figure mark (stylized "B Design"), and combination mark (Bluetooth word mark and "B Design") are registered trademarks and are wholly owned by the Bluetooth SIG.

microSD™ and the microSD logo are Trademarks of the SD Card Association.

Openwave® is a registered Trademark of Openwave, Inc.

Google, the Google logo, Android, the Android logo, Google Play, Gmail, Google Mail, Google Maps, Google Music, Google Talk, Hangouts, Picasa, YouTube and other marks are trademarks of Google Inc.

Wi-Fi is a registered trademark of the Wireless Fidelity Alliance, Inc.

Swype and the Swype logos are trademarks of Swype, Inc. © 2010 Swype, Inc. All rights reserved.

DLNA®, the DLNA Logo, and DLNA CERTIFIED® are trademarks, service marks, or certification marks of the Digital Living Network Alliance.

Polaris® Office is a trademark of Infraware, Inc.

Online Legal Information

The online version of the Health/Safety and Warranty guide for your device can be found at:

英English: https://www.samsung.com/us/Legal/Phone_HSGuide

Spanish: https://www.samsung.com/us/Legal/Phone_HSGuide_SP

The online version of the End User Licensing Agreement for your device can be found:

Online at: https://www.samsung.com/us/Legal/SamsungLegal-EULA1.

Table of Contents

Section 1: Getting Started

This section helps you to quickly start using your phone.

Understanding This User Manual

The sections of this manual generally follow the features of your device. A robust index for features begins on page 157.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from a Home screen. To get to a Home screen, you may need to unlock the device. For more information, refer to *"Securing Your Device"* on page 11.

Note: Instructions in this manual are based on default settings and may vary from your device depending on the software version on your device and any changes to the device's settings.

Note: Unless stated otherwise, instructions in this manual start with the device unlocked, at the Home screen. All screen images in this manual are simulated. Actual displays may vary depending on the software version of your device and any changes to the device's settings.

Special Text

In this manual, some text is set apart from the rest. This special text is intended to point out important information, share quick methods for activating features, define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature, menu, or sub-menu.
- **Tips**: Provides quick or innovative methods or useful shortcuts.
- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings important information to your attention that can help to prevent loss of data or functionality or damage to your device.

Text Conventions

This manual provides condensed information about how to use your device. To make this possible, the following text conventions are used to represent often-used steps:

➔ Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures.

For example:

From a Home screen, touch ▦ **Apps** ➔ 🔘 **Settings** ➔ 🖺 **My device** ➔ **Display** ➔ **Screen timeout**.

ON/OFF Many settings use an **ON/OFF** switch. Touch the **ON/OFF** button to turn a feature or setting on or off.

Setting Up Your Phone

Install the SIM (Subscriber Identity Module) card, battery, and optional memory card (not included), and then charge the battery to begin using your device.

Remove the Back Cover

The battery, SIM card, and optional memory card are installed under a removable cover on the back of the device.

■ Pull up using the slot provided, while lifting the cover off the device.

Note: The battery cover is flexible. Take care to avoid bending or twisting the cover when removing and installing to prevent damage to the cover.

Install the SIM Card

A SIM (Subscriber Identity Module) card stores your phone number and information about your wireless service.

Caution! Turn the device off before installing or removing the SIM card. Do not bend or scratch the SIM card. Take care when handling, installing, or removing the SIM card, and avoid exposing the SIM card to static electricity, water, or dirt. Keep the SIM card out of reach of small children.

1. Carefully insert the 4G LTE SIM Card into the slot, pressing gently until it locks into place.

2. Make sure that the card's gold contacts face down and that the upper-left angled corner of the card is positioned as shown.

Install a Memory Card

Your device can use an optional microSD card (not included) for additional storage of files and data.

■ With the gold contacts facing down, slide the memory card into the slot, pushing gently until it locks into place.

Note: For more information on using memory cards, see *"SD Card"* on page 155.

Install the Battery

Your device is powered by a rechargeable, standard Li-Ion battery. A Charging Head and USB cable are included with the device for charging the battery.

The battery comes partially charged. You must fully charge the battery before using your device for the first time. A fully discharged battery requires up to 4 hours of charge time. After the first charge, you can use the device while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Important! The battery provided with your device contains a Near Field Communication (NFC) antenna. To ensure proper operation of the NFC features, do not use any other battery in your device.

1. Insert the battery into the battery slot, making sure the connectors align.

2. Gently press down to secure the battery.

Replace the Back Cover

1. Place the battery cover onto the back of the phone.

2. Press down.

3. Press down along the edge of the back cover until you have a secure seal.

Charge the Battery

Your device comes with a Travel Charger and USB cable for charging your device from any standard power outlet.

1. Insert the USB cable into the port.

2. Connect the USB cable to the travel charger, then plug the charging head into a standard AC power outlet.

3. When charging is complete, unplug the travel charger from the power outlet and remove the USB cable from the device.

Battery Indicator

The battery icon in the Status Bar shows the battery power level. When the power level is very low, the battery icon blinks and a warning tone sounds at regular intervals. Your phone will conserve its remaining battery power by dimming the screen.

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

To view which apps and services are consuming battery power, see *"Battery"* on page 154.

Note: The battery charge level displays as an icon on the Status bar by default. You can also view the percentage of battery charge remaining. From a Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲 ➔ **Display** ➔ **Show battery percentage**.

Turn the Phone On and Off

To turn the phone on:

■ Press and hold the ▭ ⓞ **Power/Lock Key** until the phone starts up.

To turn the phone off:

1. Press and hold the ▭ ⓞ **Power/Lock Key** to view the *Phone options* menu.

2. Touch **Power off**.

Setup Wizard

The first time you turn your phone on, the Setup Wizard will guide you through the basics of setting up your device.

Follow the prompts to choose a default language, set up accounts, choose location services, and learn more about your phone.

Securing Your Device

Use lock features to secure your phone.

Lock the Device

■ By default, the device locks automatically when the screen times out.

– or –

Press the ▭ ⓞ **Power/Lock Key**.

Tip: When the device is locked, the Emergency call feature is available on the lock screen, to allow you to make emergency calls even while the device is locked.

Unlock the Device

Unlock the device using one of the default lock screens, or use Screen lock options for increased security.

■ Press the ⬭ ⏻ **Power/Lock Key**, then touch and drag your finger across the screen.

Tip: Special notification icons display for missed calls or new messages. Drag a missed call or message icon to view the message or call log.

Select a Screen Lock

A Screen lock provides security for your phone. When you turn the phone on, the Screen lock may request a PIN, password, or other authorization to access it. You can also choose not to use a Screen lock.

Swipe is the default Screen lock, requiring no authorization to access the phone. It is recommended that you set up a secure Screen lock to protect your privacy.

For more information about setting up and using a Screen Lock, see *"Screen Lock"* on page 122.

Section 2: Understanding Your Phone

- Touch screen with virtual (onscreen) QWERTY keyboard
- Brilliant 4.3" WVGA SAMOLED display
- Delivering data faster than the current 3G network technology by using 4G LTE and High Speed Packet Access Plus (HSPA+)
- Android 4.4, Kit Kat platform
- Smart Switch™ compliant. Visit samsungsmartswitch.com
- Wi-Fi® Capability
- Apps available to download from the Google Play™ Store and Samsung Hub™
- Access Movies, TV Shows, Music, Games, and Books with Samsung Hub
- Compliant with AllShare Cast Hub® (DLNA-certified)
- 8 megapixel camera and camcorder with LED flash plus 1.9 megapixel front-facing camera
- Share Shot picture sharing functionality
- S-Beam file transfer technology
- Bluetooth enabled
- NFC-compatible

- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple Messaging Options: Text/Picture/Video Messaging and Google Hangouts™
- Corporate and Personal Email
- Music player with multitasking features and supporting AAC, AAC+, eAAC+, MP3, and WMA file formats
- Speakerphone
- Support for microSD™ and microSDHC™ memory cards up to 64GB capacity
- Preloaded e-reader applications, such as Play Books™ and Play Magazines™
- Assisted GPS (Google Navigation)
- Webkit-based browser
- Mobile HotSpot and USB Tethering-capability
- Video Chat via Google Hangouts™
- Google Play™ Music
- Wi-Fi ® Calling via the use of a micro SIM card

Front View

Earpiece

Proximity and Light Sensor

LED Indicator

Front-Facing Camera

Touch Screen

Menu Key
(Context-sensitive menu for the current screen)

Home Key
(Display the main Home screen or Lock screen)

Back Key
(Return to the previous screen or option)

Side Views

Volume Key

Power/ Lock Key

Top and Bottom Views

IR Blaster   3.5mm Headset Jack

Microphone

Charging/USB Port

Rear View

Camera Lens

Flash

SAMSUNG

GALAXY S4 mini

External Speaker
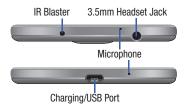
Home Screen

The Home screen is the starting point for using your device. It is accessible at any time by pressing the 🔲 **Home Key**.

Widget
(App that runs on the current Home screen panel)

Shortcuts
(Launch apps)

Current Panel Indicator

Primary Shortcuts
(Appear on every Home screen panel)

Note: All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your device and any changes to the device's Settings.

Extended Home Screen

The Home screen consists of the Home panel, plus panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the bottom of the display shows your current position.

Current Panel

Home Screen Panels

Your device comes with 6 Home screen panels. You can customize the Home screen to include up to seven panels.

■ From the Home screen, touch ▤ **Menu ➔ Edit page**.

Touch and hold a panel, and then drag it here to delete it

Touch and hold a panel, and then drag it to a different location

Set this panel as the main Home screen (the panel with 🏠 will display when you press the ▬ **Home Key**)

Add a new panel (up to a total of seven)

Status Bar

The Status Bar (at the top of most screens) shows network connections, signal strength, battery charge, and other details of your phone. Some common icons are:

📶   Current signal strength. The greater the number of bars, the stronger the signal.

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

📵   No SIM is installed.

⊘   There is no network available.

⊖   Your phone is in Blocking mode.

⚠   There is a system error or alert.

🔒   Indicates a security warning. You are prompted to set a screen lock password.

📞   A call is in progress.

🔊   The speakerphone is on.

📵   A call has been missed.

✎	A call has been muted.	⬆	An outbound file transfer is in progress.
☏	Call forwarding is set to Always forward.	▶	A Play Store download has completed.
☏ᴬ	Your device is set to automatically reject all incoming calls. Enable the All numbers option from the **Call settings ➔ Call rejection ➔ Auto reject mode** menu.	▶	Updates are available for download.
⬜	Battery charge level. Icon shown is fully charged.	⚡	The phone is connected to a computer with a supported USB cable connection.
⚡	Your battery is charging. Also displays battery charge level.	⚡	The phone is tethered via a supported USB cable connection.
⬜	Low battery power.	✉	A new text or multimedia message is received.
⬜	Battery is critically low.	▣	A new voice mail is received.
⚠	Your battery is empty.	✉	Email has been received.
3G	Your phone is actively connected to a 3G network.	1	The time and date for a Calendar Event has arrived.
4G LTE	Your phone is actively connected to a 4G LTE network.	⏰	An alarm is set to ring at a specified time.
⬇	Your phone is downloading or has downloaded a file. It will blink green when it is installing.	✕	The Sound profile is set to Mute.
		✕	The Sound profile is set to Vibrate.
		✳	Bluetooth is activated.

18

A Bluetooth device has been paired with the phone.

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

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).

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

Your phone has been configured as a portable Wi-Fi hotspot.

Location is active and acquiring a signal.

Data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Your phone is in Driving mode. Incoming calls and notifications will be read out aloud.

Near Field Communication (NFC) has been activated.

Your device is connected being used to control streaming media and is connected via AllShare.

A TTY device has been inserted.

A screen capture has been taken.

Displays when the keyboard is active.

For more details on configuring your phone's settings, see *"Settings"* on page 118.

Notification Panel

The Notification panel displays information about connections, alerts, new messages, and more. It also has Quick settings-buttons which allow you to quickly access and change common system settings.

1. Swipe your finger downward from the top of the screen to display the Notification panel.

2. Touch an item to open the item, or to launch the related app or feature.

Clear Notifications

1. Swipe your finger downward from the top of the screen to display the Notification panel.

2. To clear one notification, touch and drag it to one side and off the screen. To delete all notifications, touch **Clear**.

World Clock

While displaying the Notification Panel, touch the time to display a World clock. Add cities to the clock to display the time in different zones around the world. For more information, refer to *"Clock"* on page 104.

Quick Settings

Use Quick settings at the top of the Notification Panel to control popular settings. Slide your finger right and left to see additional settings, or touch ⊞ to display them all:

• **Wi-Fi**: Turn Wi-Fi on or off. For more information, refer to *"Wi-Fi"* on page 85.

• **Location**: Turn Standalone GPS services on or off. For more information, refer to *"Location Services"* on page 150.

• **Sound**: Switch between your sound settings (Sound, Mute, and Vibrate). For more information, refer to *"Sound Settings"* on page 128.

• **Screen rotation**: Enable or disable screen rotation. For more information, refer to *"Auto Rotate Screen"* on page 126.

• **Bluetooth**: Turn Bluetooth on or off. For more information, refer to *"Bluetooth"* on page 88.

• **Mobile data**: Enable access to mobile data service.

• **Wi-Fi hotspot**: Share your Internet connection with another devices. For more information, refer to *"Mobile Hotspot"* on page 92.

• **Screen Mirroring**: Share your device's screen with another device, using an optional AllShare Cast accessory (not included). For more information, refer to *"Screen Mirroring"* on page 98.

• **S Beam:** S Beam uses your phone's NFC (Near Field Communication) to send, or "beam", content to other NFC and Wi-Fi Direct devices, by holding the devices close together. For more information, refer to *"S Beam"* on page 96.

• **NFC**: Use NFC (Near Field Communication) to share information between your phone and another NFC device by touching the devices together, typically back-to-back. For more information, refer to *"NFC and Beaming"* on page 95.

• **Sync**: Synchronize your accounts. For more information, refer to *"Synchronizing Accounts"* on page 36.

• **Smart stay**: The phone automatically adjusts screen timeout and rotation when it detects you are looking at the screen. For more information, refer to *"Smart Screen"* on page 148.

- **Power saving**: Enable or disable Power saving mode. For more information, refer to *"Power Saving Mode"* on page 139.

- **Blocking mode**: Block notifications for selected features. For more information, refer to *"Blocking Mode"* on page 137.

- **Airplane mode**: Turn Airplane mode On or Off. For more information, refer to *"Airplane Mode"* on page 121.

- **Hands-free mode**: Set incoming caller ID and text messages to be read out. For more information, refer to *"Hands-Free Mode"* on page 138.

Navigation

Navigate your phone's features using the touch screen, motions, gestures, command keys, and voice control.

Command Keys

Home Key

- Press to display the Home screen, or Lock screen if the phone is locked.
- Press and hold to display recent applications or launch Task Manager.
- Press twice from an unlocked screen to launch S Voice.

Menu Key

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

Back Key

- Touch to return to the previous screen or option.

Note: While using your phone, you may notice that the Menu Key and Back Key dim, but they are always available and activate when you touch them.

Using the Touch Screen

Touch

Touch items to select or launch them. For example:

- Touch the onscreen keyboard to enter characters or text.
- Touch an item to select it.
- Touch an app's icon to launch the application.

Touch and Hold

Activate 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.
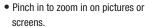
Swipe

Swipe your finger across the screen. For example:

- Unlocking the screen
- Scrolling the Home screen or a menu
- Combine touch and hold with swipe to drag an item.

Pinch and Spread

Using two fingers, make a pinch or spread motion on the screen. For example:

- Pinch in to zoom in on pictures or screens.
- Spread out your fingers to zoom out on pictures or screens.

Warning! Please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.

Motions and Gestures

Your phone recognizes motions and gestures, allowing you to navigate and access features by moving the phone in specific gestures.

To use motions, enable the Motion setting. For more information, see *"Motions and Gestures"* on page 147.

Pick Up

Lift the phone to perform an action.

- **Direct call**: Pick up the phone and raise it to your ear to call the contact displayed on the screen.
- **Smart alert**: The phone will automatically notify you to missed calls and alerts that occurred while the phone was stationary.

Tilt

Touch and hold the phone with your thumbs on the screen, then tilt the phone forward and back.

- **Zoom**: Tilt the phone forward and back to zoom in or out.

Pan

Touch and hold on the screen, then move the phone in a side-to-side motion.

- **Move an icon**: Pan the phone to move a highlighted icon to a new location on the Home screen.
- **Browse an image**: Pan the phone to when viewing an image to move focus around in the image.

Turn Over

Turn the phone screen-down on a flat surface.

- **Mute/pause**: Turn the phone over to mute incoming calls or pause music playback.

Palm Motion

Control certain features on your phone by touching the screen with your hand.

- **Mute/pause**: Mute or pause sounds by covering the screen with your palm.

Rotating the Screen

Many applications allow display in either portrait or landscape orientation. Rotating the device causes the display to automatically adjust to fit the new screen orientation.

To prevent the display from rotating automatically, open the Notification panel and deselect **Screen rotation**.

Note: Some applications do not allow screen rotation, and some applications display a different screen depending on the orientation.

Voice Commands

Use voice commands to control and interact with the phone:

• **Incoming calls**: Say "Answer" or "Reject" to answer or reject a call. When you answer a call, the speaker automatically turns on for hands-free conversation.

• **Alarm**: Say "Stop" or "Snooze" to stop or snooze an alarm.

• **Camera**: Say "Smile", "Cheese", "Capture", or "Shoot" to take pictures.

• **Music**: Say "Next", "Previous", "Play", "Pause", "Volume Up", or "Volume Down" to control the music player.

For more information, refer to *"S Voice"* on page 113.

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Adding shortcuts and widgets
- Creating folders
- Changing the wallpaper

Shortcuts and Widgets

You can add, reposition, or remove shortcuts and widgets from the Home screen.

- **Shortcuts**: Icons on the Home screen which launch applications.
- **Widgets**: Self-contained applications. They appear as onscreen applications.

Note: Primary shortcuts appear at the bottom of the display screen. You can modify primary shortcuts just like regular shortcuts, except for ▦ **Apps**.

Adding a Shortcut or Widget

You can customize the Home screen by adding shortcuts and widgets.

1. Touch and hold an empty area of the Home screen. On the pop-up menu, touch **Apps and widgets**.

– or –

Tap ▦ **Apps** to display the Apps screen.

2. For shortcuts, touch the **Apps** tab. For widgets, touch the **Widgets** tab.

3. Touch and hold the shortcut or widget, and then drag it to a position on the Home screen and release.

Removing a Shortcut or Widget

Shortcuts and widgets can be removed from the Home screen.

Note: Removing a shortcut does not delete the application, it simply removes the shortcut from the Home screen.

■ Touch and hold the shortcut or widget until it detaches, and then drag it to 🗑 **Remove** and release.

Folders

Place folders on the Home screen to organize items.

Adding Folders

1. Touch and hold an empty area of the Home screen. On the pop-up menu, touch **Folder**.

2. The folder displays on the Home screen. Touch the folder to name it.

Using Folders

- To add shortcuts to the folder, touch and hold the shortcut, and then drag it to the folder and release.

- Touch the folder to open it and access the shortcuts inside.

- To delete a folder, touch and hold the folder until it detaches, and then drag it to 🗑 **Remove** and release.

Note: All shortcuts contained in the folder will also be deleted.

Wallpaper

Choose a picture to display in the background of the Home screen.

Note: You can also set Wallpaper in Settings. For more information, see *"Wallpaper"* on page 125.

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Home screen** menu.

2. Choose **Set wallpaper**, and then choose **Home screen**, **Lock screen**, or **Home and lock screens**.

3. Choose a source:
   - **Gallery**: Choose a picture stored on your device or on an optional installed memory card.
   - **Live wallpapers**: Choose from pre-loaded interactive moving wallpapers (Home screen only).
   - **Photos**: Choose a photo stored in your Google Photos account (Home screen only).
   - **Wallpapers**: Choose from pre-loaded wallpaper images.
   - **Travel wallpaper**: Display travel recommendations. (Lock screen only).

Smart Stay

Smart stay is a *Smart screen* features use the front camera to detect when you are facing the screen. Some factors that may affect the ability of the front camera to detect your face are:

• When the phone is not docked or held upright, for example when placed on a table.

• When the front camera cannot detect your face and eyes.

• When the front camera is being used for the current application.

• When the source of light is behind you, or when using the phone in the dark.

Smart stay allows your phone to automatically adjust the screen timeout when it detects you are looking at the screen.

Configure Smart Stay

For more information, refer to *"Smart Screen"* on page 148.

Screen Capture

Capture an image of the current screen display.

■ Press and hold both the ⬭ ⏻ **Power/Lock Key** and ▭ **Home**.

When a screen capture occurs, a white border will flash around the edge of the screen. The image is saved to the *Screenshots* album in Gallery. A copy of the image is also saved to the clipboard.

To view the screenshot:

1. From a Home screen, tap ▦ **Apps ➔** 🖼 **Gallery**.
2. Touch the album titled **Screenshots.**
3. Touch a screenshot preview to display it.

Entering Text

Your device uses a virtual QWERTY keyboard for text entry. Use the keyboard to enter letters, punctuation, numbers, and other characters into text entry fields or applications. Access the keyboard by touching any text entry field.

You can also use voice input to speak your inputs.

Note: When you rotate the device, the screen updates to display the keyboard at the bottom of the screen.

Text Input Methods

There are three text input methods available:

- **Google voice typing**: Enter text by speaking.
- **Samsung keyboard (default)**: A QWERTY keyboard that can be used in both portrait and landscape orientation.
- **Swype**: Instead of touching each key to enter text, use your finger to trace over each letter of a word.

Select a Default Text Input Method

You can select a default Text Input Method from Settings, or choose one at any time while entering text.

From Settings:

1. From the Home screen, touch ⬚⬚⬚ **Apps ➔** ⚙ **Settings ➔** ⬚ **My device**.
2. Touch **Language and input ➔ Default** to select Samsung keyboard or Swype.

While entering text:

1. Touch the top of the screen and swipe downward to display the Notification Panel.
2. Touch ⌨ **Select input method**, and then choose a text entry method.

Using Samsung Keyboard

The Samsung keyboard is a virtual QWERTY keyboard. Input characters by touching the onscreen keys with your fingers.

You can enable *predictive text* to have the Samsung keyboard match your key touches to common words and display them. Select a word from the display to insert it into your text.

Google voice typing is accessible directly from the keyboard, allowing you to enter text using your voice. See *"Using Google Voice Typing"* on page 32.

Configure Samsung Keyboard

For more information, refer to *"Samsung Keyboard"* on page 142.

Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by touching the **↑ Shift key** to toggle the case, before touching the letter keys.

• Touch once to switch from abc to Abc mode.

• Touch twice to switch to ABC mode. When ABC mode is enabled, the Shift key background turns blue **↑**.

Entering Symbols and Numbers

• To enter numbers and common symbols, touch and then touch the desired key.

• To enter less-common symbols, touch **123 Sym** ➔ **1/2**, and then touch the desired key.

• Each key consists of a main character or symbol (such as **'a'**), plus additional characters (such as **@**, **æ**, **à**, **â**, etc.). Touch and hold a key to open a small menu of additional characters. (If there is only one additional character (such as the letter '**m**' which only has the additional character '**~**'), then that character is automatically selected and entered into your text.)

30

• Touch and hold the **period key** (.) to open a small window with a set of common symbols.

Using Predictive Text

By using Predictive text, you can have next-letter prediction and regional error correction, which compensates for touching the wrong keys on the QWERTY keyboard.

Note: Enable Predictive text in Samsung keyboard settings. For more information, refer to *"Samsung Keyboard"* on page 142.

While entering characters, potential word matches display in the Predictive text area above the keyboard.

■ Touch a word to insert it into your text.

■ Touch ∨ to display more words.

Using Google Voice Typing from the Samsung Keyboard

When you enable the Google voice typing setting, you can use your voice to enter text instead of the keyboard.

For more information about enabling Voice input, see *"Using Google Voice Typing"* on page 32.

Closing the Keyboard

■ Touch **Back** to close the keyboard.

Editing Text

You can edit the text you enter in text fields by cutting, copying, or pasting text. These operations can be performed within and across apps. However, some apps do not support editing of some or all of the text displayed, while others may offer their own way to select text.

Editing Existing Text

1. Touch the text at the point you want to edit.
   The **Cursor** displays at the point you touched.
2. Touch and drag the **Cursor** to a better position, if necessary.
3. Enter additional text or delete text by repeatedly touching the **Delete** key.

Copying, Deleting, or Replacing Text

1. Touch and hold the text or word you want to select.
   The selected text is highlighted with a tab at each end of the selection.
2. Touch and drag either tab to select more or less text.

Tip: Touch **Select all** in the pop-up to select all text in the field. Touch on another area of the screen to deselect the text.

3. Depending on the action you want to take for the selected text, in the pop-up touch:
   • **Select all** to highlight all text in the field.
   • **Cut** to remove the selected text.
   • **Copy** to save the selected text to the clipboard.
   • **Paste** to paste previously copied text.
   • **Clipboard** to display the text saved to the clipboard.
   • **Translate** to translate the highlighted word. For more information, refer to *"S Translator"* on page 113.

   – or –

   Enter text by typing or speaking to replace the selection with what you type.

   – or –

   Touch the **Delete** key to delete the selected text.

Pasting Text

To paste previously copied text:

1. Touch the text at the point you want to paste the copied text. The **Cursor** displays at the point you touched.
2. Touch the **Cursor**. A pop-up displays.
3. Touch **Paste** in the pop-up.

To paste text directly from the clipboard:

1. Touch and hold **Options** on the keyboard and then select from the pop-up menu to display the text saved to the clipboard.
2. Touch a text block to paste the text where the **Cursor** is positioned.

Using Google Voice Typing

Enter text using your voice.

While entering text:

1. Touch **Options** on the keyboard. For more information, refer to *"Samsung Keyboard"* on page 142.
2. At the **Tap to speak** prompt, touch and speak clearly and distinctly into the microphone.

   The software converts your voice to text, which displays in the message.
3. Keep speaking to add more text.
4. Touch to display the Samsung keyboard.

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

Configuring Google Voice Typing

See *"Samsung Keyboard"* on page 142.

Using Swype

Swype is a text input method that allows you to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words. Swype uses error correcting algorithms and a language model to predict the next word. Swype also includes a touch predictive text system.

■ While entering text, touch and drag downward from the top of the screen to display Notifications, then touch **Select input method ➔ Swype**.

Using the Numeric Keyboard

Switch to a numeric keyboard, to quickly enter numbers and arithmetical operators (+, -, *).

■ Touch and hold 📳, and then slide to touch 123.

Entering Symbols And Numbers

Using the Swype Keyboard:

• Touch and hold on a key to enter the character at the top of the key.

• Touch and hold on a key until a menu of all characters available on that key appears; then touch a character to enter it.

• Touch 📳 to switch to Symbol mode; then touch a key.

Editing Keyboard

The Editing keyboard provides a quick way to move the cursor and highlight text. If the application in which you are working supports editing, you can cut, copy or paste highlighted text.

■ Swype from 🌀 **Swype** to 📳.

Using Swype Voice Input

Enter text by speaking. Swype recognizes your speech and enters text for you.

■ Touch 🎤 **Voice Input**. At the prompt, speak the text you want to enter.

Swype Tips

The following example shows how to enter the word "This". Put your finger down on the "T", and without lifting, glide it to the "h", then to the "i" then over to the "s".

Here are a few tips to get you started:

• **Auto-spacing**: When you finish a word, just lift your finger and start the next word.

• **Double letters**: Just "scribble" on the key.

• **Auto-capitalization**: Swype recognizes and capitalizes the first word of sentences. If you want to capitalize a word that is not at the beginning of a sentence, just glide above the keyboard before gliding over the next letter.

• **Contractions**: Swype recognizes most words that include an apostrophe, just swype the letters of the word, including the apostrophe.

• **Punctuation**: Touch and hold a key to view a punctuation menu and make a selection.

• **Accented characters**: Just glide through the letters of the word. Swype usually recognizes the word and correctly accents the letters.

• **Error correction**: If you make a mistake, double-tap on the word you want to change.

Configuring Swype

Configure Swype to your preferences.

■ Touch and hold the 🔧 **Swype Key** to access the Swype options menu.

For more information, refer to *"Swype"* on page 144.

Swype Help

Get help while using Swype.

1. Touch and hold the 🔧 **Swype Key** to access the Swype options menu.

2. Touch **Help ➔ How to Swype**.

Section 3: Contacts and Accounts

This section explains how to manage contacts and accounts.

Accounts

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

Contacts from your accounts appear in your device's Contacts.

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

Setting Up Your Accounts

Set up and manage your accounts with the Accounts settings.

For information about setting up other, non-synchronized email accounts, see *"Creating an Email Account"* on page 66.

Adding an Account

1. From the Home screen, touch ▦ **Apps** ➔ ◉ **Settings** ➔ 🔑 ➔ **Add account**.

2. Select an account provider, then follow the prompts to enter your credentials and sign in.

3. The device communicates with the provider's server to set up your account on the device.

Managing Accounts

1. From the Home screen, touch ▦ **Apps** ➔ ◉ **Settings** ➔ 🔑 .

2. Select an account, then touch a setting to enable or disable synchronization. When enabled, a check mark displays in the check box.

Synchronizing Accounts

From the Accounts menu, you decide if you want applications to synchronize, send, and receive data at any given time, or whether 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 a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ ⬜.

2. Touch ▤ **Menu** ➔ **Accounts**.

   If you have previously added any accounts, the **Sync settings** screen displays with your current accounts listed.

3. Touch an account that you would like to synchronize.

4. At the **Sync settings** screen, touch the options that you would like to synchronize for that account.

5. Touch **Sync now** to synchronize the account.

   The account is synchronized.

6. Touch ⬅ **Back** to return to the Contacts list.

36

Contacts

Use **Contacts** to store information about your friends, family, and colleagues, to make contacting them easy.

To access Contacts:

■ From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ ⬜.

   – or –

   From a Home screen, touch 📞 **Phone** ➔ ⬜.

Tip: Swipe your finger left-to-right across a contact to make a call to the contact. Swipe right-to-left across a contact to create a message addressed to the contact.

Creating Contacts

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ ⬜ ➔ ✛ **Create contact**.

2. At the **Save contact** prompt, select a save option for the contact (options depend on accounts set up):

   • **Device**: Save to the phone's Contacts.

   • **Add new account**: Add a new account type.

Note: New contacts are saved in "my device contacts" unless you add an account.

3. Touch the Contact image to choose a picture to identify the contact.
4. Touch contact fields to display the keyboard and enter information:
   - Some fields have preset values. Touch the field and touch the desired value. For example, touch the ☐ Label tab and touch a label for the field.
   - Other fields have to be input. Touch the field and use the onscreen keyboard to input information.
   - Touching the check box next to some fields may make additional fields available.
   - Touch ⊕ to add additional fields. Touch ⊖ to remove an unused field. Also, touch **Add another field** to add other fields.
   - Touch the screen and swipe up or down to display additional fields or touch **Next** on the keyboard to move to the next field.
5. Touch ← **Back** to remove the keyboard.

6. When you finish entering information, touch **Save** to save your changes or touch **Cancel** ➔ **OK** to cancel and discard changes.

Tip: Display a contact's record and touch the **Email** field to send an email, the **Address** field to display the address on a map, or the **Website** field to link to the website.

Updating Contacts from Recent Calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, refer to *"Saving a Recent Call as a Contact"* on page 54.

Editing an Existing Contact

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

1. From a Home screen, touch ▦ **Apps** ➔ 🧑 **Contacts** ➔ 🧑.
2. Touch the Contact that you want to edit.
3. Touch ✏️ **Edit**.
4. Touch any of the fields to add, change, or delete information.
5. Touch **Save** to save the edited information.

Choosing Contacts to Display

1. From a Home screen, touch ▦ **Apps** ➔ 🧑 **Contacts** ➔ 🧑.
2. Touch ▤ **Menu** ➔ **Contacts to display** for options:
   • **All contacts**: Show all contacts.
   • **Device**: Only contacts stored to your device.
   • **SIM**: Only contacts saved to the SIM card.
   • **<account>**: Only display contacts from this account.
   • **Customized list**: Select contact types for each account or the phone.

My Local Profile

My local profile is your own contact record, listed under ME in Contacts. You can send My local profile as a vCard by using Bluetooth or as an attachment.

Creating My Local Profile

1. From a Home screen, touch ▦ **Apps** ➔ 🧑 **Contacts** ➔ 🧑.
2. Touch **Set up profile**, then enter your information in the contact fields. For more information, see *"Creating Contacts"* on page 36.

Sending My Local Profile

You can send your profile as a vCard by using Bluetooth to other Bluetooth devices, or as an attachment.

1. From a Home screen, touch ▦ **Apps** ➔ 🧑 **Contacts** ➔ 🧑.
2. Touch your profile to display your contact information.
3. Touch ▤ **Menu**, then touch **Share namecard via**.
4. Choose a sending method, then follow the prompts to send the profile.

Using Contacts

Dialing or Messaging from Contacts

Once you have stored contacts with phone numbers, you can call those contacts easily and quickly by either using their phone number or by using the Search field to locate a contact entry. You can also send messages from Contacts.

1. From a Home screen, touch **Apps ➔ Contacts ➔** .

2. Within the Contacts list (sorted alphabetically), touch a letter on the right side of the display to quickly jump to the contacts beginning with that letter.

3. Touch the contact you want to call or message.

4. To make a phone call, touch the phone icon .

   – or –

   To send a message, touch the message icon .

   For more information, refer to *"Creating and Sending Messages"* on page 61.

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

Linking Contacts

Linking Contact Information

Your device can synchronize with multiple accounts, including Google, Corporate, and other providers, plus social networking sites like Facebook. When you synchronize contacts from these accounts with your device, you may have multiple contacts for one person.

Linking contact records allows you to see all the contact's numbers and addresses together. Linking also helps you keep your contacts updated because any changes to information in the respective accounts is automatically updated the next time you synchronize with the account.

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

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 36.

Linking Contacts

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

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ 🔲.

2. Touch a contact name that you want to link to another contact entry.

   Note: Typically this is the same contact with a different name or account information.

3. Touch ▤ **Menu** ➔ **Link contact**.

4. Touch the second contact entry that you want to link with the first contact entry.

   The second contact is now linked with the first contact and the account information is merged into one screen.

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

5. Touch ◯◯ in the **Connection** section to view the linked contact information. The location of the contact, such as Device or an account, displays along with the contact's name.

Unlinking Contacts

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ 🔲.

2. Touch the linked contact name.

   In the **Connection** section, various icons show how many contacts are linked in this record.

3. Touch ◯◯ in the **Connection** section to display the linked contacts list.

4. Touch ➖ next to a contact to remove it from the linked contact record.

5. At the **Separate contact** prompt, touch **OK**.

   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 a Home screen, touch ⚏ **Apps** ➔ 👤 **Contacts** ➔ 👤.

2. Touch a Contact name.

3. Touch ▭ **Menu** ➔ **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, touch the radio button next to another entry that you want to be the default. The radio button will turn green, then touch **Done**.

Contacts Options

You can access Contacts options while at the main Contacts screen or while in the details screen for a specific entry.

Options in Contacts

1. From a Home screen, touch ⚏ **Apps** ➔ 👤 **Contacts** ➔ 👤.

2. Touch ▭ **Menu** for options:
   - **Delete**: Delete one or more contacts.
   - **Import/Export**: Move contacts to or from your memory card or USB storage.
   - **Share namecard via**: Send one or more contact's information by using Bluetooth, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Merge Accounts**: Combine accounts set up on your phone.
   - **Accounts**: Display the accounts set up on your phone. Touch **Add account** to add additional accounts or touch an existing account to manage sync settings.
   - **Speed dial setting**: Set up speed-dialing. For more information, refer to *"Making a Call Using Speed Dial"* on page 52.

- **Send message/email**: Send a text message or an email to one or more contacts.

- **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 touch **Customized list** to change other options on how your contacts are displayed.

- **Settings**: Displays options for viewing contacts:

  – **Only contacts with phones**: Only display contacts that have phone numbers.

  – **List by**: List contacts by First name or Last name.

  – **Display contacts by**: Display contacts by First name first or Last name first.

  – **Service numbers**: Display or edit your service numbers.

  – **Contact sharing settings**: Touch **Settings** to specify how contacts are transferred to another device, either as a full group or individually.

- **Help**: Displays information about how to use Contacts.

Contact Options

1. From a Home screen, touch ▦ **Apps** ➔ 👤 **Contacts** ➔ 👤.

2. Touch a contact and at the contact's display screen, touch ▭ **Menu**.

3. The following options are displayed:

   - **History**: View the phone and message history for the contact.
   - **Edit**: Edit the contact's information.
   - **Delete**: Delete the contact.
   - **Link contact**: Link contacts with other contacts.
   - **Separate contact**: Separate contacts that have been linked. This option only appears if the contact has been linked.
   - **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).
   - **Share namecard via**: Send the contact's information by using Bluetooth, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Add to/Remove from reject list**: 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.
   - **Add shortcut to home**: Place a shortcut for this contact on your Home screen.

Groups

Assign contacts to Groups to make searching for contacts faster or to quickly call or send messages to group members. There are several default groups that are predefined, which you can use to add your contacts, or you can create new groups.

Creating a New Group

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ 🔲.
2. Touch ▤ **Menu** ➔ **Create**.
3. Touch the **Group name** field and enter a new group name.
4. Touch **Group ringtone** to choose a ringtone for assignment to this new group. Touch a ringtone to hear how it sounds, then touch **OK**.
   – or –

   Touch **Add** to select a ringtone from your music files.
5. Touch **Message alert** to choose an alert tone for assignment to this new group, then touch **OK**.

6. Touch **Vibration pattern** to choose a vibration audio file for assignment to this new group, then touch **OK**.
   – or –

   Touch **Create** and follow the onscreen instructions to create your own vibration pattern.
7. Touch **Add member** to add contacts to the new group. Touch each contact you want to add to create a check mark. You can also touch **Select all**.

   Touch **Done** to add the members.
8. Touch **Save** to save the new contact Group.

Adding a Contact to a Group

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ 🔲.
2. Touch a Group to display it, then touch ➕ **Add**.
3. Touch contacts to mark them for addition or touch **Select all** to mark all contacts.

   When selected, a check mark displays in the check box.
4. Touch **Done** to add the selected contacts.

Contacts and Accounts   43

Removing a Contact from a Group

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ 🔵 **Groups**.
2. Touch a group entry.
3. Touch ▤ **Menu** ➔ **Remove from group**.
4. Touch each contact that you want to remove from this group or touch **Select all**.
5. Touch **Done**.

    The contacts are removed from the group.

Editing a Group

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

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ 🔵 **Groups**.
2. Touch ▤ **Menu** ➔ **Edit group**.
3. Make modifications to the Group name, Group ringtone, Message alert, or Vibration pattern fields.
4. Touch **Add member** to add more contacts to this group. Touch **Done** to add the members.
5. Touch **Save** to save the edited contact Group.

Sending a Message to Group Members

Send a text or email message to a group's members.

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ 🔵 **Groups**.
2. Touch a **Group** to display it.
3. Touch ▤ **Menu** ➔ **Send message** or **Send email**.
4. Touch contacts to mark them as recipients for the new message or touch **Select all**, and then touch **Done**.

    The new message opens with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Creating and Sending Messages"* on page 61, or see *"Using Email"* on page 66.

44

Deleting a Group

1. From a Home screen, touch ▦ **Apps ➔** 🔲 **Contacts ➔** 🔵.
2. Touch ▤ **Menu ➔ Delete groups**.
3. Touch each group that you want to remove or touch **Select all**. (You cannot delete default groups.)
4. Touch **Delete**, then choose **Group only** or **Group and group members**, and touch **OK**.

Favorites

Mark contacts with a ⭐ gold star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone and Contacts apps for fast dialing or messaging, and are indicated by the ⭐.

To view your Favorites list:

■ From a Home screen, touch ▦ **Apps ➔** 🔲 **Contacts ➔** ⭐.

Adding Favorites

1. From a Home screen, touch ▦ **Apps ➔** 🔲 **Contacts ➔** ⭐.
2. Touch ▤ **Menu ➔ Add to favorites**.
3. Then select a contact that you want to add to your favorites list.

   – or –

   Touch a contact to display it, then touch the star at the top right of the screen.

Removing Favorites

1. From a Home screen, touch ▦ **Apps ➔** 🔲 **Contacts ➔** ⭐.
2. Touch the contact that you want to remove from Favorites.
3. Touch the star at the top right of the screen.
4. The contact is removed from Favorites and the ⭐ gold star no longer displays on the contact entry.

   – or –

   Touch and hold a contact you want to remove, then select **Remove from favorites** from the pop-up menu.

Managing Contacts

Importing and Exporting Contacts

You can export your contact list to and from USB storage or an installed memory card. Contacts are exported and imported as a special VCF file, and contacts are sent as vCards.

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ 👤 .

2. Touch 🔲 **Menu** ➔ **Import/Export**.

3. Select an option, then follow the prompts to complete the operation:

   • **Import from USB storage**: Copy contacts that are saved in device memory.

   • **Export to USB storage**: Copy contacts to device memory.

   • **Import from SD card**: Imports contacts from the SD card.

   • **Export to SD card**: Exports contacts to the SD card.

   • **Import from SIM card**: Copy contacts to the device that are saved to a SIM card.

Deleting Contacts

You can delete Phone or account contact records.

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ 👤 .

2. Touch and hold a contact that you want to delete, then select **Delete** from the pop-up menu.

Note: Deleting contacts that are saved under an account will be deleted from the account, if sync is turned on.

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

Sending Namecards (vCards)

You can send a contact namecard as a vCards by using Bluetooth devices or as an attachment via Gmail or Email.

Important! Not all Bluetooth devices accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From a Home screen, touch ▦ **Apps** ➔ **👤 Contacts** ➔ **👤**.
2. Touch ▭ **Menu** ➔ **Share namecard via**.
3. Touch contacts to mark them for sending or touch **Select all** to mark all contacts.
4. Touch **Done**. At the prompt, choose a sending method, then follow the prompts to send the namecard by using Bluetooth, Google Drive, Email, Gmail, Messaging, or Wi-Fi Direct.

Speed Dials

Speed dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

For more information about calling using speed dials, see *"Making a Call Using Speed Dial"* on page 52.

Note: Some speed dials are reserved by default, and cannot be assigned:
Speed dial 1 is reserved for Voicemail.

Assigning Speed Dials

1. From a Home screen, touch ▦ **Apps** ➔ **👤 Contacts** ➔ **👤**.
2. Touch ▭ **Menu** ➔ **Speed dial setting**.
A list of speed dials displays.
3. Touch a **Not assigned** speed dial field, then touch a contact to assign the contact to the speed dial location.

Removing or Reassigning a Speed Dial

1. From a Home screen, touch ▦ **Apps** ➔ 🔲 **Contacts** ➔ 👤.

2. Touch ▤ **Menu** ➔ **Speed dial setting**.

3. Touch ▤ **Menu**, then touch an option:
   - **Change order**: Touch an assigned speed dial, then touch a new speed dial location to change the order.
   - **Remove**: Touch a speed dial to remove it.

Section 4: 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.

Displaying Your Phone Number

■ From a Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ ⚏ **More** ➔ **About device** ➔ **Status**. Your phone number displays in the **My phone number** field.

Phone

Use the Phone app to access the phone keypad, Recent calls, Favorites, and Contacts.

There are several ways to access Phone:

■ From a Home screen or ▦ **Apps**, touch 📞 **Phone**.

– or –

From a Home screen, touch 👤 **Contacts** ➔ 📞 **Phone**.

Making Calls

Your device offers multiple ways to make calls:

• Use the touch screen **Phone Keypad** to enter the phone number or speed dial.
• Call a contact from **Contacts**.
• Call a contact from **Favorites**.
• Return a call, or call a recent caller, from **Recent** calls.
• Voice dial using **S Voice**.

Making a Call Using the Phone Keypad

1. Touch 📞 **Phone**.
2. Touch the digits of the telephone number on the **Keypad**.
3. Touch 📞 to make the call.

Note: When you activate the **Auto retry** option in Call settings, the phone automatically redials 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 131.

Making an International Call

1. Touch 📞 **Phone**, then touch and hold ⬜ 0 + .
   The **+** character appears.

2. Use the onscreen keypad to enter the country code, area code, and phone number.
   If you make a mistake, touch ⬜ until the desired numbers have been deleted.

3. Touch 📞 to make the call.

Manual Pause Dialing

Manually call a number with pause(s) without storing it in your Contacts list.

1. Touch 📞 **Phone** and use the onscreen keypad to enter the phone number.

2. Touch ☰ **Menu** to display the dialer sub-menu.

3. Touch **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.

50

4. Touch ☰ **Menu** ➔ **Add wait** to add a wait.
   A wait will pause the calling sequence until you enter a number or touch a key.

5. Touch 📞 to make the call.

Correcting an Entered Number

Correct a mis-typed entry when dialing.

■ After entering a number using the keypad:
   • If you make a mistake, touch ⬜ to erase a single character.
   • Touch and hold ⬜ to erase the entire string of numbers.

Ending a Call

■ Touch 📞.

Making Calls from Contacts

A contact is an entry that you have created to store the name, phone numbers, and other information for people or groups of interest.

For more information, see *"Contacts"* on page 36.

1. From a Home screen, touch 👤 **Contacts**.

2. Find the contact and touch it to open the Contact entry.

3. Touch 📞 to dial the number.

Making Calls Using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see *"Adding Favorites"* on page 45.

1. From the Home screen, touch 📞 **Phone**.
2. Touch ⭐ **Favorites** to display favorites.
3. Find the contact to call and touch 📞 to dial the number.

Dialing a Recent Number

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

1. Touch 📞 **Phone**.
2. Touch 🕓 **Recent**. A list of recent calls displays.
3. Touch the desired Contact to enter the *Details* page, then touch 📞 to make a call.

Making Calls Using S Voice

Place a call by speaking the name or number.

1. From the Home screen, touch 📞 **Phone** ➔ 🎙.
2. The first time you access, touch **Confirm** to accept the Samsung Disclaimer.
3. The first time you access, touch **Agree** to confirm the Terms of Service.
4. Follow the prompts to speak a command. You can say commands such as:
   • **Call <Name device>**: Ex: "Call Charlie mobile" or "Call Joe work". Call an entry in the Contact list.
   • **Dial <Phone number>**: Ex: "Dial 555-123-1234". Call a spoken phone number.
   • **Redial**: Redials the last number called.

Tip: You can launch S Voice from most unlocked screens by pressing ▬ **Home** twice.For more information, refer to *"S Voice"* on page 113.

Making Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the **No SIM card found** message displays. Follow the onscreen instructions to install your SIM card and then restart your phone.

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

To make an Emergency Call with or without a SIM Card:

1. Touch **Phone**.
2. Enter 9-1-1 and touch . Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, Headset, and End Call features.
3. Touch **End call** to exit this calling mode.

Making a Call Using Speed Dial

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

1. From a Home screen, touch **Contacts** to display your Contacts List.
2. Touch **Menu → Speed dial setting**. The Speed dial setting screen displays showing the numbers 1 through 100. The number 1 is reserved for Voicemail.
3. Touch an unused number.
4. Touch a contact to assign to the number. The selected contact number displays in the speed dial number box.

To remove a speed dial number or change the order:

■ Touch **Menu → Change order** or **Remove**.

To make a call using Speed Dial:

1. Touch **Phone**.
2. On the keypad, touch and hold the speed dial number. If the speed dial number is more than 1 digit long, enter the first digits, then hold the last digit.

Answering a Call

You can answer incoming calls when the device is locked or unlocked. When you receive a call, an incoming call screen displays.

To answer the call:

■ Touch and drag 📞 in any direction.

To reject the call and send it to your voicemail:

■ Touch and drag 🔇 in any direction.

To reject the call with a message:

■ Touch and drag the **Reject call with message** tab upward.

 • Touch a predefined text message to send to the caller.

 – or –

 • Touch **Create new message** to compose a new message.

To end the call:

■ Touch 📵.

Note: You can answer a call while using Contacts or other functions. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From the Home and Apps screens, you have the option to access the Dialer and initiate a call by touching 📞 **Phone**. The following tabs are available:

• **Keypad**: Dial the current number entered using the onscreen keypad.

• **Recent**: Display a list of all dialed, received, and missed calls.

• **Favorites**: Display your contacts that you have marked as Favorites.

• **Contacts**: Launch the Contacts app where you can select a contact to call.

When you touch **Keypad** and 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 have dialed, received, or missed in the Call log. The Call log displays the details of the call.

1. Touch **Phone**.
2. Touch **Recent**.

   A list of recent calls displays. If the number or caller is listed in your Contacts, the associated name displays.

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

1. Touch **Phone ➔ Recent**.

   A list of recent calls displays. If the number or caller is listed in your Contacts, the associated name displays.

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

   – or –

   Swipe the desired missed call to the left to create and send a message.

Saving a Recent Call as a Contact

1. Touch **Phone ➔ Recent**. A list of recent calls displays.
2. Touch the call you want to save to your Contacts. The call detail page displays.
3. Touch **Create contact** to add the call to your Contacts. The Create contact screen displays.

   – or –

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

4. Enter Contact information into the various fields.
5. Touch **Save** to save when you are finished.

Sending a Message to a Recent Call

1. Touch **Phone** ➔ **Recent**. A list of recent calls displays.

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

3. At the New message screen, touch the **Enter message** field and use the onscreen keyboard to enter in a message.

4. When you are done with your message, touch **Send**.
   For more information, refer to *"Creating and Sending Messages"* on page 61.

Deleting a Call from the Call Log

1. Touch **Phone** ➔ **Recent**. A list of recent calls displays.

2. Touch and hold the call you want to delete from the Recent calls log.

3. Touch **Delete**.

4. At the **Delete log** prompt, touch **Delete**.
   The call is deleted from the Recent calls log.

Adding a Call to the Reject List

1. Touch **Phone** ➔ **Recent**. A list of recent calls displays.

2. Touch and hold the call you want to add to the Reject List.

3. Touch **Add to reject list**.

4. At the **Add to reject list** prompt, touch **OK**.
   Future calls from this number will be rejected and sent to your voicemail.

Call Duration

1. Touch **Phone** ➔ **Recent**.

2. Touch **Menu** ➔ **Call duration** for options:
   - **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.

3. To reset these times to zero, touch **Menu** ➔ **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 volume, use the Volume key on the left side of the phone.

■ Press the **Up** end of the volume key to increase the volume level and press the **Down** end of the volume key to decrease the volume level.

– or –

Quickly add more volume to the incoming audio by touching the onscreen **Extra volume** button .

From a 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 touching a corresponding onscreen button.

- **Add call**: Display the dialer so you can call another person.
- **Keypad**: Display the onscreen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **End call**: Terminate the call.
- **Speaker**: Route the phone's audio through either the speaker or through the earpiece.
  - Touch **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.
  - Touch **Speaker** again to use the phone's earpiece (see *"Using the Speakerphone During an Active Call"* on page 58). The green line will disappear when Speaker is not activated.
- **Mute/Unmute** turn the onboard microphone either on or off.
  - Touch **Mute** during a call to mute the microphone. A green line will appear under the Mute button.
  - Touch **Mute** again to unmute the microphone. The green line will disappear when Mute is not activated.

- **Headset** connects to a Bluetooth headset.
  – Touch **Headset** during a call to activate a Bluetooth headset. A green line will appear under the Headset button.
  – Touch **Headset** again to de-activate the Bluetooth headset. The green line will disappear when the Headset is not activated.
- Touch ▭ **Menu** for more options:
  – **Contacts**: Go to your Contact list.
  – **Memo**: Write a memo.
  – **Message**: 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, touch 🔘.
2. Select an available option.
3. Confirm the option is enabled 🔘.

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 in on by default.

1. Touch 🔆 to turn **Noise reduction off**.
2. Touch 🔆 to turn **Noise reduction on**.

Multi-Party Calling

Use multi-party call features to set up a call between multiple callers, such as for a conference call.

1. Establish the first call, by answering an incoming call or making a call.
2. Touch **Add call**.
   The first call is placed on hold.
3. Make the second call by touching the phone number digits, then touch.
4. To merge the calls into one conference call, touch **Merge**.
5. Touch **End call** to end the calls.

Using the Speakerphone During an Active Call

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

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

Switching off the Microphone (Mute)

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

To mute your phone during a call:

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

To use a Bluetooth headset:

1. Touch 📞 **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. Touch 📞 **Headset** to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Contacts

1. During the active call, touch 🔲 **Menu** then touch **Contacts**.

2. Touch the contact entry.

Call Settings

■ Touch 📞 **Phone** ➔ 🔲 **Menu** ➔ **Call settings**.
   – or –

   From a Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ **Call**.

For detailed information on all of the call settings, see *"Call Settings"* on page 131.

Section 5: 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
- Hangouts
- Google+

Messaging

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 in the Status Bar and indicate when messages are received and their type. For more information, refer to *"Status Bar"* on page 17.

Creating and Sending Messages

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

2. Touch ✑ **Compose**.

3. Touch the **Enter recipient** field to manually enter a
   recipient or touch 👤 to select a recipient from your
   Contacts. You can also select the recipient based on
   Groups, Favorites, or Logs.

Note: For the Group option, if the number of recipients is less
   than 10, all members in the group will be added. You
   will need to delete any unnecessary members in the list
   by selecting the trash can icon and deleting unwanted
   entries.

4. If adding a recipient from your Contacts, touch the
   contact to place a check mark then touch **Done**.
   The contact is placed in the recipient field.

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

5. Touch the **Enter message** field and use the onscreen
   keyboard to enter a message.

6. Add more recipients by touching the recipient field.

7. Review your message and touch **Send**.

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

Adding Attachments to a Message

To add an attachment to your message, touch 📎 and
select one of the following options: Image, Take a picture,
and so on.

Options While Composing a Message

■ While composing a message, touch ▤ **Menu** to
   reveal additional messaging options.

   • **Insert smiley**: Add emoticons, such as a happy face to
     your message.

   • **Add text**: 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, and so on, to your message.

- **Add to contacts**: Add the recipient to your Contacts list. (This option only appears if the recipient is not already in your Contacts list.)

- **View contact**: See information on the recipient. (This option only appears if the recipient is in your Contacts list.)

- **Add slide**: Add a new slide to a message.

- **Add subject**: Add a subject to a message

- **Add recipients**: Add additional recipients of future messages in this message thread.

- **Scheduling**: Set a future time to send the message.

- **Lock/Unlock messages**: Protect/unprotect the selected message(s) from being accidentally deleted.

- **Add to spam numbers**: Add this recipient to your list of spam numbers.

- **Discard**: Delete the current message.

- **Translate**: Launch a Translate pop-up menu. Here you can both assign the sender's original language and assign a target language for the recipient (they will receive your message in the designated language).

- **Font size**: Set the size of the font from Tiny to Huge, or use the default font.

View New Messages

When you receive a new message, the new message $\boxtimes$ icon displays in the Status Bar.

1. Open the Notification Panel and select the message. See *"Notification Panel"* on page 20.

    – or –

    From a Home screen, touch ▦ **Apps** ➔
    📧 **Messaging**, and then touch the new message to view it.

2. To play a multimedia message, touch ⓑ.
    To pause playback of the multimedia message, touch ⑪.

3. 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 Options

- Touch and hold the message bubble within an active message conversation to display the following options (options may vary by content):
  - **Delete message**: Delete any currently selected message bubble from the thread.
  - **Copy message text**: Copy the currently selected message bubble from the thread.
  - **Lock/Unlock message**: Lock or unlock the currently selected message bubble from being accidentally deleted.
  - **Forward**: Forward the currently selected message bubble to another recipient.
  - **Share**: Share the message with others.
  - **View message details**: Display details for the currently selected message bubble.
  - **Translate**: Translate the text from the currently selected bubble into a desired language.

Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged with a recipient (similar to a chat program).

To access message thread options:

1. From a Home screen, touch ▦ **Apps** ➔ ✉ **Messaging**.
2. Touch ☰ **Menu** for options:
   - **Search**: Enter characters to search messages and recipients.
   - **Delete threads**: Choose message threads to erase.
   - **Draft messages**: View messages you've created but not yet sent.
   - **Locked messages**: View messages you've locked. Locked messages cannot be deleted.
   - **Scheduled messages**: View messages you have scheduled to sent later.
   - **Spam messages**: View messages tagged as spam.
   - **Settings**: Configure Messaging settings.
   - **Font size**: Configure the size of the font.

Delete Messages

To delete a single message thread:

1. From a Home screen, touch ▦ **Apps** ➔
   ▽ **Messaging**.

2. Touch and hold a message, then touch **Delete thread**.

3. At the **Delete** prompt, touch **OK**.

To delete multiple message threads:

1. From a Home screen, touch ▦ **Apps** ➔
   ▽ **Messaging**.

2. Touch ▤ **Menu** ➔ **Delete threads**.

3. Touch each message you want to delete or touch
   Select all. A check mark displays beside each
   message you select.

4. Touch **Delete**.

5. At the **Delete** prompt, touch **OK** to delete or **Cancel**.

Message Search

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

1. From a Home screen, touch ▦ **Apps** ➔
   ▽ **Messaging**.

2. Touch ▤ **Menu** ➔ **Search**.

3. Use the onscreen keyboard to enter a word or phrase
   to search for, then touch 🔍 **Search**.

4. All messages that contain the search string you
   entered are displayed.

Emergency Alerts

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

Emergency Alerts allows customers to receive geographically-targeted messages. Alert messages are provided by the US Department of Homeland Security and will alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert message.

There are three types of Emergency Alerts:

• Alerts issued by the President

• Alerts involving imminent threats to safety of life (Extreme and Severe)

• AMBER Alerts (missing child alert)

Customers may choose not to receive Imminent Threats (Extreme and Severe) and AMBER Alerts. Alerts issued by the President cannot be disabled.

To disable Imminent Threats and AMBER Alerts:

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

2. Touch ▭ **Menu** ➔ **Settings**.

3. Scroll downward and touch **Emergency alerts**.

4. All alerts are enabled by default (check mark showing). Touch an alert option to disable it.

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.

To access the Email app:

■ From a Home screen, touch ▦ **Apps** ➔ 💿 **Email**.

Creating an Email Account

1. From a Home screen, touch ▦ **Apps** ➔ 💿 **Email**.
2. Enter your email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. Touch **Next** or touch **Done** on the keyboard. The Account options screen displays.
5. Review and configure the settings.
6. Touch **Next**.
7. Enter a name for this email account (optional) and touch **Next** or touch **Done** on the keyboard. Your email account is now set up.

Creating Additional Email Accounts

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

1. From a Home screen, touch ▦ **Apps** ➔ 💿 **Email**.
2. Touch ▭ **Menu** ➔ **Settings**.
3. Touch **Add account** to add another email account.
4. Enter the information required to set up another account.

Switching Between Email Accounts

1. From a Home screen, touch ▦ **Apps** ➔ 💿 **Email**. Your Email screen displays showing your emails from the active account.
2. Touch the **Inbox button** ▤💿 at the top of the screen. Your Email accounts screen displays.
3. Touch the Email account **Inbox** you would like to make active.

    – or –

    Touch **Combined inbox** to display email messages from all accounts.

Composing and Sending Email

1. From a Home screen, touch ▦ **Apps** ➔ ◉ **Email**.
2. If you have multiple accounts set up, choose an account from the menu at the top of the screen.
3. Touch ◪ **Compose**, then tap fields to enter recipients and the email text.
4. While composing a message:
   • Touch displayed buttons to set Scheduling options and Priority.
   • Touch ⬚ **Attach** to add a file to the message.
   • Touch ▤ **Menu** to set Tracking options and Security options.Available options depend on the type of email account.
5. Touch the body of the email to enter the text of your email. Touch the text option buttons to edit and format your message text.
6. Touch ✉ **Send** to send the message.
   – or –
   Touch ⬚ **Save** to save the email to the Drafts folder.

Gmail

Send and receive emails by using Gmail, Google's web-based email.

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

Setting Up Your Gmail Account

The first time you launch Gmail, your device prompts you to set up your Google account, if you have not already set it up. Once you set up your Google account on your device, Gmail is set up automatically.

1. From a Home screen, touch ▦ **Apps** ➔ ✉ **Gmail.**
2. Follow the prompts to sign in or create a new account.
3. The device communicates with the Google server to set up your account and synchronize your email.
   You can use more than one Google account on your device.

Tip: Touch ▤ **Menu** ➔ **Settings** ➔ 🔑 **Accounts** ➔ **Add Account** to add another Google account.

Refreshing Your Gmail Account

Syncing refreshes your device with the account's servers. When you set up an email account, you can choose whether the account syncs in the background or manually.

- Touch ![Gmail icon] **Gmail** ➔ ![Menu icon] **Menu** ➔ **Refresh**.

Gmail Settings

Use settings to configure your Gmail preferences.

1. From a Home screen, touch ![Apps icon] **Apps** ➔ ![Gmail icon] **Gmail.**
2. Touch ![Menu icon] **Menu** ➔ **Settings** for options.

Composing and Sending Gmail

1. From a Home screen, touch ![Apps icon] **Apps** ➔ ![Gmail icon] **Gmail.**
2. Touch ![Compose icon] , then touch fields to compose the message. While composing, touch ![Menu icon] **Menu** for options.
3. Touch ![Send icon] **SEND** to send.

Hangouts

Hangouts is a free instant messaging app offered by Google. You can connect with your friends across computers and various Android devices. You can have conversations or video calls with up to 10 friends.

Visit google.com/hangouts to learn more.

Note: This app requires a Google account.

- From a Home screen, touch ![Apps icon] **Apps** ➔ ![Hangouts icon] **Hangouts**.

Google+

Stay connected and share life as it happens with Google+ on your device. Join a group chat, post a photo, or see what friends are sharing while you are on the go.

Visit google.com/mobile/+ to learn more.

Note: This app requires a Google account.

- From a Home screen, touch ![Apps icon] **Apps** ➔ ![Google+ icon] **Google+**.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone.

Music Player

Music Player is an application that can play music files. Music supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A.

Playing Music

1. Touch ▦ **Apps ➔** ▶ **Music**.
2. Touch a library category at the top of the screen (Songs, Playlists, Albums, Artists, or Folders) to view available music files.
3. Scroll through the list of songs and touch an entry to begin playback.

   The following music controls are available:

   🔊 Streams the current music file to another device via Change player.

   🔊 Volume control and SoundAlive.

   🔇 Volume control showing volume muted.

   ⤨ Shuffles the current list of songs randomly.

   ⤨ Songs play in order and are not shuffled.

   ⭐ Assign the current song as a Favorite.

   A Plays the entire song list once.

   🔁 Replays the current list when the list ends.

   🔂 Repeats the currently playing song.

   ▼ Displays the current song in the player window.

   ⏮ Touch and hold to rewind the song. Touch to go to previous song.

   ⏸ Pause the song.

   ▶ Start the song after pausing.

   ⏭ Touch and hold to fast-forward the song. Touch to go to next song.

   🎵 Lists the current playlist songs.

Using Playlists

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

Creating a Playlist

1. Touch ▦ **Apps** ➔ ⊙ **Music**.
2. Touch the **Playlists** tab.
3. Touch ☰ **Menu** ➔ **Create playlist**.
4. Type a name for this playlist in the field and touch **OK**.

Adding Music to a Playlist

1. Touch ▦ **Apps** ➔ ⊙ **Music**.
2. Touch the **Playlists** tab.
3. Touch the playlist name in which to add music.
4. Touch ➕ **Add music**.
5. Touch a music file. Touch **Select all** to add all the music tracks to this playlist.
6. Touch **Done**.

70

Removing Music from a Playlist

1. Touch ▦ **Apps** ➔ ⊙ **Music**.
2. Touch the **Playlists** tab.
3. Touch the desired playlist name.
4. Touch ☰ **Menu** ➔ **Remove**.
5. Touch the checkbox to the left of each track you want to remove from this playlist. Touch **Select all** to remove all the music tracks from this playlist
6. Touch **Remove**.

Editing a Playlist

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

To edit a playlist:

1. Touch ▦ **Apps** ➔ ⊙ **Music**.
2. Touch the **Playlists** tab.
3. Touch ☰ **Menu** ➔ **Edit title**.
4. Touch a playlist name to edit.
5. Enter a new name for the playlist then touch **OK**.

Music Options

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

1. Touch ▦ **Apps** ➔ ● **Music**.
2. Touch ▤ **Menu** for options:
   • **Add to playlist**: Add the current music file to a selected playlist.
   • **Create playlist**: Create and add music to playlists (only available in the Playlists tab).
   • **Via Bluetooth**: Scan for and pair with a Bluetooth headset.
   • **List view/Thumbnail view**: Display entries in a list or as thumbnails.
   • **Delete**: Delete the music file.
   • **Search**: Search your device for a certain song.
   • **Scan for nearby devices**: Share music with nearby DLNA compatible devices.
   • **Settings**: Change your Music settings.
   • **End**: End the Music app.

Music Settings

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

1. Touch ▦ **Apps** ➔ ● **Music**.
2. Touch ▤ **Menu** ➔ **Settings**.
3. Select one of the following settings:
   • **Music menu**: Select which category tabs to display.
   • **Adapt Sound**: Set Adapt sound on when your are listening with earphones to alert of incoming calls and notifications.
   • **SoundAlive**: Set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, and so on.
   • **Play speed**: Set the play speed anywhere between 0.5X and 2.0X using the slider.
   • **Music auto off**: When activated, music will automatically turn off after a set interval.
   • **Lyrics**: When activated, displays lyrics when available.
   • **Smart volume**: Automatically adjusts each track's volume to an equal level.
   • **Voice control**: Use voice commands to control the app.

Making a Song a Ringtone

1. Touch ▦ **Apps ➔** 📀 **Music**.
2. Touch the **Songs** tab.
3. Touch and hold a song from the list to reveal the context menu.
4. Touch **Set as ➔ Phone ringtone**.

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

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.
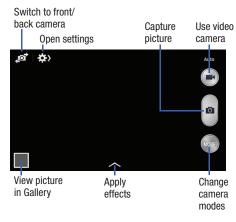
■ Touch ▦ **Apps ➔** 🎧 **Play Music**.

Tip: For more information, touch ▤ **Menu ➔ Help** or visit play.google.com/store/music.

Camera

You can use the camera or camcorder to take and share pictures and videos.

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

Switch to front/
back camera

Open settings

Capture
picture

Use video
camera

View picture
in Gallery

Apply
effects

Change
camera
modes

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.

Take a Picture

You can take pictures with your phone's front or back camera, or combine shots with Dual mode.

1. Touch ▦ **Apps** ➔ ◉ **Camera**.
2. Using the phone's screen as a viewfinder, compose your shot by aiming the camera at the subject. While composing your picture, use the onscreen options, or these gestures:
   • Press the **Volume Key** up or down to zoom in or out, or touch the screen with two fingers and pinch or spread them on the screen to zoom in or out.
   • Touch the screen to focus on the area you touched.
3. Touch ◉ to take the picture.

Record Videos
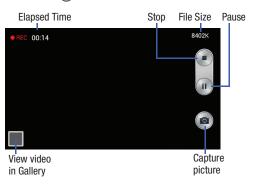
In addition to taking pictures, you can record, view, and send videos with your phone's built-in video camera.

1. Touch ▦ **Apps** ➔ ◉ **Camera**.

Note: When the Camera app is initially launched, the screen displays onscreen camera controls, including the Record Video button. While recording video, video camera controls are temporarily displayed. For more information about the Camera screen, see *"Camera"* on page 72.

2. Using the phone's screen as a viewfinder, compose your shot by aiming the camera at the subject. While composing your shot, use the onscreen options, or these gestures:
   • Press the **Volume Key** up or down to zoom in or out, or touch the screen with two fingers and pinch or spread them on the screen to zoom.
   • Touch the screen to focus on the area you touched.

3. Touch ⊙ **Record** to begin recording.

Elapsed Time   Stop   File Size   Pause

● REC 00:14   8402K

View video in Gallery   Capture picture

4. While recording, you can use these options:

• Touch the screen to change the focus area to the area you touched.

• Touch ⊙ to take a picture while continuing recording.

• Touch ⦿ **Pause** to temporarily stop recording. Touch ⊙ **Start** to begin recording again.

• Touch ⦿ **Stop** to stop recording.

74

Camera Options

Camera options are special options that you can choose, right on the camera screen, to make your pictures or videos special.

1. Touch ⦿ **Apps** ➔ ⦿ **Camera**.

2. Touch an option:

• **Front/Back Camera**: Touch ⦿ to switch between the front and back cameras. With the front camera, you can take self-portraits or record yourself. With the back camera, you can take pictures or record what's in front of you.

• **Mode**: Touch ⦿ to choose a shooting mode. Scroll available modes, and then touch a mode to select it. Modes include:

– **Auto**: Automatically adjusts the exposure to optimize the color and brightness of pictures. In Auto mode, you can take single or burst shots (take burst shots by holding Capture button to take multiple shots until you lift your finger).

– **Beauty face**: Automatically enhances facial features.

– **Best photo**: Allows you to select the best shot from multiple shots you take at the same time.

– **Continuous shot**: Captures a series of photo continuously at a rate of 3 per second for as long as you touch and hold the Capture button (maximum of 20 photos at a time). These photos are saved together as a group in a folder in Gallery.

– **Best face**: Allows you to select the best shot of each subject, to get the best possible group shot.

– **Sound & shot**: Adds a few seconds of background sound to enhance pictures.

– **Rich tone (HDR)**: Allows you to take pictures in various exposures and merge them to create pictures with rich color.

– **Panorama**: Take multiple pictures to merge into one expansive panoramic picture.

– **Sports**: Allows you to capture clear shots of a moving subject.

– **Night**: Allows you to take clearer, brighter pictures in low light.

Quick Camera Settings

Use Quick settings to quickly configure settings while you take pictures and record videos.

1. Touch ▦ **Apps** ➔ ◎ **Camera**.

2. Touch ⚙ to access settings:

   • **Advanced settings**: Touch ⚙ to access advanced camera settings.

   • **Flash**: Touch ⚡ to choose a flash setting.

   • **Voice control**: Touch ⬚ to access voice control settings, for using voice commands to take pictures and record video. For more information, refer to *"S Voice"* on page 113.

   • **Timer**: Touch ⬚ to choose a timer setting to delay the taking of pictures or recording.

   • **Recording mode**: Touch ⬚ to choose a mode for recording. Choose **Limit for MMS** to restrict recordings to a size that can be attached to a multimedia message. Choose **Normal** to control the speed of recording.

• **Share**: Touch ⌕ to choose a method for sharing pictures and videos. You can choose Share shot, Buddy photo share, ChatON photo share, or Remote viewfinder.

• **Hide Settings**: Touch ≪ to hide Quick camera settings.

Advanced Camera Settings

Use Advanced settings to configure default options for pictures and videos.

1. Touch ▦ **Apps → ◉ Camera**.

2. From the Camera screen, touch ⚙ and then touch ⚙ for these settings:

• ◎ **Photos**

 – **Photo size**: Choose the default size for pictures.

 – **Face detection**: Set the camera to automatically adjust settings for taking pictures of faces.

 – **Metering modes**: Set how the camera measures the light source.

 – **ISO**: Set the sensitivity of the camera's light meter.

 – **Anti-Shake**: Allow the camera to compensate for movement of the phone when taking pictures.

 – **Save as**: Select how your device should handle saving rich tone photos-save both the Rich tone photo and the original photo, or save only the Rich tone photo. This option is only accessible when you have selected Rich tone (HDR) from the camera modes.

• ▭ **Videos**

 – **Video size**: Choose the default size for videos.

• ⚙ **General Settings**

 – **Location tag**: Store location information in picture files.

 – **Review pics/videos**: Set pictures to display briefly after you take them so you can review them.

 – **Volume Key**: Choose a function for the Volume Key while using the Camera, such as the Zoom key, the Camera key, or the Record key.

 – **Timer**: Set a timer to delay the taking of pictures or recording.

 – **White balance**: Choose a setting for current light conditions.

 – **Exposure value**: Adjust the brightness of pictures.

- **Guidelines**: Display guidelines on the screen to aid in composition.
- **Flash**: Choose a flash setting.
- **Voice control**: Take pictures or record videos by speaking commands. For more information, refer to *"S Voice"* on page 113.
- **Contextual filename**: Add location information to filenames. Location tag must be enabled to use contextual filenames.
- **Storage**: If you have an optional memory card installed (not included), you can choose whether to save files to device memory or to the memory card.
- **Reset**: Return settings to the factory defaults.

Gallery

Using the Gallery application, you can view pictures and watch videos that you've taken with your phone's camera, downloaded, or copied to an optional memory card (not included).

For pictures stored on an optional memory card, you can do basic editing such as rotating and cropping. You can also set a picture as your contact picture or wallpaper and share pictures with your friends.

While viewing pictures in the Gallery, scroll up the screen to view more albums. Simply touch an album to view the photos or videos in that album.

If you have pictures or videos stored on an optional memory card (not included), they will be displayed in the folders they are stored in, and the folders are treated as albums. The actual folder names will be used as the album names. If you have downloaded any photos and videos, these will be placed in the **All downloads** album.

Note: Touch ☰ **Menu** ➔ **Help** to learn about Gallery.

1. Touch ▦ **Apps** ➔ 🖼 **Gallery**.
2. Browse files stored in your phone's memory, or on an optional installed memory card (not included).
   From the main Gallery screen, you have these options:
   - Touch the menu in the toolbar to display files by Albums, All, Locations, People, or Favorites.
   - Touch a picture or video to display it in full screen view.
   - Touch and hold thumbnails to select them (indicated by a check mark).
   - Touch 🖼 to create a New album. Give the album a name, and then select and drag thumbnails to the album to move or copy files to the new album.
   - Touch 📷 to launch the Camera app.
   - Touch ▤ for Gallery options (options may vary depending on the view):
     – **Select album/Select item**: Depending on the view, touch albums or items to select them. After selection, you can touch ▤ again for options you can use with the selected item.
     – **Slideshow**: Choose options to create a slideshow for viewing your pictures and videos.

   – **Content to display**: Choose albums to display, such as All content, Content in the device, and so on.
   – **Sort by oldest/latest**: Sort items by date (All view only).
   – **Scan for nearby devices**: Scan for Wi-Fi devices to share photos and videos.
   – **Show/Hide nearby devices**: Displays Wi-Fi devices that are nearby.
   – **Settings**: Configure Gallery settings.
   – **Help**: Get help using Gallery.

View Photos and Videos

After selecting an album from the Albums tab, you can browse the photos and videos of that album. Touch a photo or video to view it fullscreen.

1. Touch ▦ **Apps** ➔ 🖼 **Gallery**.
2. Touch a thumbnail to view the photo or video. While viewing, you can use these options:
   - **Select device**: Send the photo or video to a nearby device.
   - **Share via**: Choose an option for sharing the photo or video.

- **Trim**: Remove the beginning and ending frames of a video.
- **Delete**: Delete the photo or video.
- **Camera**: Launch the Camera app.

3. Touch ☰ for more options (options may vary according to item being viewed):
   - **Edit**: Edit the photo.
   - **Play continuous shot**: View Continuous shot photos in quick secession.
   - **Create animated photo**: Create an animated photo using up to eight Continuous shot photos.
   - **Favorite**: Mark the photo or video as a favorite.
   - **Slideshow**: View a slideshow of your photos and videos.
   - **Photo frame**: Add a decorative frame to the photo.
   - **Photo note**: Write a note on the 'back' of the photo.
   - **Copy to clipboard**: Place the photo on the clipboard for pasting into other apps.
   - **Print**: Print the photo to a compatible Samsung Wi-Fi printer (not included).
   - **Rename**: Rename the photo or video.

- **Buddy photo share**: Share the photo with people tagged in the photo.
- **Rotate left**: Rotate the photo 90 degrees to the left.
- **Rotate right**: Rotate the photo 90 degrees to the right.
- **Crop**: Crop the photo.
- **Set as**: Set the photo as a Contact photo, or as wallpaper for the Home screen and Lock screen.
- **Details**: View file details about the photo or video.
- **Settings**:
  – **SNS data management**: Enable **Sync only via Wi-Fi** to only sync photos and videos when connected to a Wi-Fi network.
  – **Tags**: Enable **Tag buddy** and **Face tag**. Tag buddy identifies each photo with information such as the weather, location, people in the photo, or date created. Face tag scans each photo to detect people's faces, which you can then tag with their name.
  – **Sound & shot**: Enable **Auto play sound** to automatically play the recorded sound when viewing pictures taken in Sound & shot mode.

Zoom In or Out on a Photo

There are two ways you can zoom in or out of a photo.

■ Touch the screen twice quickly to zoom in and then touch the screen twice quickly again to zoom out.
– or –

You can also use "pinch" and "spread" gestures to zoom in or out. For more information, refer to *"Pinch and Spread"* on page 23.

Editing a Photo

The Photo editor app 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. Touch ▦ **Apps** ➔ 🖼 **Gallery**.
2. Select a folder location and touch a file to open it.
3. With the image displayed, press ▭ **Menu** ➔ **Edit** to launch the Photo editor.
4. Touch and hold the image then select an option:

- **Selection mode**: Use several onscreen 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**: Copy the currently selected are to your device's clipboard.

5. Use the following editor controls to edit your picture:

🕥 **Previous**: Display the previous photo project.

↰ **Next**: Display the next photo project.

✕ **Cancel**: Close the currently displayed photo.

▬ **Save**: Save this photo to the memory card.

🔄 **Rotate**: Rotate a photo in all 4 directions. You can also mirror image the photo.

🔲 **Crop**: Crop (cut-out) an area of a photo.

🎨 **Color**: Auto adjust color, Brightness, Contrast, Saturation, Adjust RGB, Temperature, Exposure, and Hue of a photo.

✳ **Effect**: Add various effects to your photo.

80

Portrait: Apply various face correction effects such as Red-eye fix, Airbrush face, Face brightness, Out-of-focus, Beauty face, Face reshape, or Spot healing.

Sticker: Place various pre-created onscreen stickers on top the of current image.

Drawing: Draw on the picture using a brush, pen, or eraser.

Frame: Place a pre-created border style on top of the current image.

6. Press to access the following options:

• **Save as**: Rename your current image and save it.

• **Select image**: Choose a new image for editing.

• **Take picture**: Activate the camera and take a new image for editing.

• **Share via**: Share your saved photo via Bluetooth, Email, Flipboard, Gmail, Google+, Group Play, Hangouts, Messaging, Picasa, S Memo, or Wi-Fi Direct.

• **Set as**: Set the current image as a Contact photo, or as wallpaper for the Home and/or Lock screens.

Sharing Pictures and Video

You can share pictures and videos via Email, Messaging, Bluetooth, or popular sharing services.

1. Touch **Apps** ➔ **Gallery**.

2. Touch an album to display preview. Touch **Menu** ➔ **Select item**, and then touch previews to mark them for sharing.

3. Touch **Share via** and follow the prompts.

Setting a Picture as a Contact Photo

Set a picture as a contact's photo. The contact's photo displays with notifications to calls or messages from the contact.

1. Touch **Apps** ➔ **Gallery**.

2. Touch a category, and then touch a picture to select it.

3. Touch **Menu** ➔ **Set as** ➔ **Contact photo**.

4. Select a contact, or create a new contact, with the selected picture as the contact's photo.

Setting a Picture as Wallpaper

Set a picture as the wallpaper for the Home and Lock screens.

1. Touch ▦ **Apps** ➔ ▨ **Gallery**.
2. Touch a category, and then touch a picture to select it.
3. Touch ▭ **Menu** ➔ **Set as**.
4. Select an option, from Home screen, Lock screen, or Home and lock screens wallpaper. Use the crop tool to edit the picture. Touch **Done**.

Video Player

The Video Player app plays video files (3GP or MP4) stored on your phone or on an optional microSD memory card.

1. Touch ▦ **Apps** ➔ 🟢 **Video**. All videos that you have on your phone and memory card display.
2. Touch the video that you want to play.
3. The following video controls are available:

    ▯▯ Pause the video.

    ▶ Start the video after being paused.

    ◀◀ Press and hold to rewind the video. Touch to go to previous video.

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

◀)) Streams the current music file to another device via Change player.

◀) Volume control.

◀ Volume control showing volume muted.

▯▯ 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.

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

▨ Stretch to fit. The video is enlarged to fit the screen without becoming distorted.

▣ Play a video as a small pop-up while viewing another screen. Touch and drag the pop-up video to the desired location on the screen. Double-tap the pop-up to return to full screen mode.

Note: The screen view icons are a four-way toggle. The icon that is displayed, is the mode that will display after the icon is touched.

4. While viewing the list, touch ▤ **Menu** for options:
   • **Scan for nearby devices**: Scan for available devices for sharing videos.
   • **Sort by**: Display videos by Title (default), Date, Size, or Type.
   • **View as**: View videos in a list, thumbnail, or folder format.
   • **Share via**: Share the video. Touch an option, such as Bluetooth, and follow the onscreen instructions.
   • **Delete**: Touch videos to select them for deletion or touch **Select all** to delete all videos.
   • **Auto play next**: Touch to enable or disable automatic playing of videos in the order they appear.

5. During playback, touch ▤ **Menu** for options:
   • **Share via**: Share the video. Touch an option, such as Bluetooth, and follow the onscreen instructions.
   • **Chapter preview**: If chapter information is recorded in the video file, display the chapters. Touch a chapter to begin playing the video at that point.
   • **Trim**: Use the sliders at the bottom of the screen to trim the video.
   • **Via Bluetooth**: Turn Bluetooth on to use Bluetooth services.
   • **Video auto off**: Set the option Off or set your video to turn off automatically by touching one of the time values.
   • **Subtitles (CC)**: Add closed captioning subtitles to your videos. Touch **Settings** and follow the onscreen instructions.
   • **Settings**: View additional video settings.
   • **Details**: Provides details about the video, such as Name, Size, Resolution, and so on.

Play Movies & TV

Watch movies and TV shows purchased from Google Play. You can stream them instantly, or download them for viewing when you're not connected to the Internet. You can also view videos saved on your device.

Visit play.google.com/about/movies to learn more.

Note: This app requires a Google Account.

■　Touch ▦ **Apps ➔** ▮ **Play Movies & TV**.

Section 7: Connections

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wi-Fi network. Wi-Fi networks can be Open (unsecured), or Secured (requiring you to provide login credentials).

Your device supports the 802.11 a/b/g/n Wi-Fi protocols.

Turn Wi-Fi On or Off
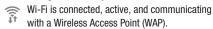
When Wi-Fi is turned on, your phone will notify you of available Wi-Fi networks.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ ▣ **Connections**.
2. Touch **ON/OFF** to turn Wi-Fi on or off.

Tip: You can also quickly turn Wi-Fi on or off using Quick Settings. From the Home screen, sweep your finger downward to display the Notification Panel. Touch the **Wi-Fi** button to turn Wi-Fi on (green) or off (gray).

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status:

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

📶 A Wi-Fi access point available, but you are not connected to it. It may also display if there is a communication issue with the target Wireless Access Point (WAP).

Scan and Connect to a Wi-Fi Network

When you turn on Wi-Fi, your device searches for available Wi-Fi connections and displays them.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ ▣ **Connections**.
2. Touch 📶 **Wi-Fi**.
3. Touch **ON/OFF** to turn Wi-Fi on.
4. When your device completes a scan, touch a Wi-Fi network to connect. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Add a Wi-Fi Network Manually

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲 .
2. Touch 🛜 **Wi-Fi**. Touch **ON/OFF** to turn Wi-Fi on.
3. On the *Wi-Fi settings* screen, touch **Add Wi-Fi network** (below the scanned networks), then enter these fields:
   • **Network (SSID)**: Enter the name of the Wi-Fi network.
   • **Security**: Select the type of security used by the Wi-Fi network.
   • **Password**: If the network is secured, enter the password.
   • **Show advanced options**: Select the Proxy settings and IP settings for the network.
4. Touch **Connect** to save the settings and connect to the network.

Advanced Settings

Set up and manage wireless access points.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲 .
2. Touch 🛜 **Wi-Fi**. Touch **ON/OFF** to turn Wi-Fi on.
3. Touch ▤ **Menu** for options:
   • **Advanced:**
     – **Network notification**: Send a notification when an open network is available.
     – **Sort by**: Choose to sort available networks alphabetically or by signal strength.
     – **Keep Wi-Fi on during sleep**: Specify when to switch from Wi-Fi to mobile data for data communications when the phone goes to sleep (when the backlight goes out).
     – I**nstall certificates**: Install security certificates. For more information, refer to *"Credential Storage"* on page 153.

– **MAC address**: View your device's MAC address (not configurable).
– **IP address**: View your device's IP address (not configurable).

• **WPS push button**: Set up a connection to a WPS (Wi-Fi Protected Setup) router or other equipment.

• **WPN PIN entry**: View the PIN used by your phone to set up a PIN-secured connection to a Wi-Fi router or other equipment (not configurable).

• **Help**: Learn about setting up and using Wi-Fi networks.

Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection.
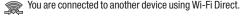
For example, your phone can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices. Many of the apps on your device provide options for sharing via Wi-Fi Direct under 🔲 **Menu**.

Turn Wi-Fi Direct On

1. From the Home screen, touch ▦ **Apps** ➔ ⚙️ **Settings** ➔ 🔲 .
2. Touch 📶 **Wi-Fi**. Touch **ON/OFF** to turn Wi-Fi on. (Wi-Fi must be enabled to use Wi-Fi Direct.)
3. Touch **Wi-Fi Direct** to turn Wi-Fi Direct on and scan for available devices.

Wi-Fi Direct Status Indicator

The following icon shows your Wi-Fi Direct connection status:

📶 You are connected to another device using Wi-Fi Direct.

Turn Wi-Fi Direct Off

1. From the Home screen, touch ▦ **Apps** ➔ ⚙️ **Settings** ➔ 🔲 .
2. Touch 📶 **Wi-Fi**.
3. Touch **Wi-Fi Direct** to view connections.
4. Touch **End connection** to turn Wi-Fi Direct off and terminate all Wi-Fi Direct connections

Connect to Wi-Fi Direct Devices

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲 .
2. Touch 📶 **Wi-Fi**. Touch **ON/OFF** to turn Wi-Fi on.
   (Wi-Fi must be enabled to use Wi-Fi Direct.)
3. Touch **Wi-Fi Direct** to turn Wi-Fi Direct on.
4. Enable Wi-Fi Direct on the target device. Consult the
   target device's documentation for more information.
5. On your phone, touch **Wi-Fi Direct** to scan for the
   target device.
6. In the scanned list, touch the target device to connect
   with it, or touch **Multi-connect** to connect to multiple
   devices (not all devices support multi-connect).
7. Follow the prompts on both devices to complete
   the connection.

Bluetooth

Bluetooth is a short-range wireless communications
technology for exchanging information over a distance
of about 30 feet. If the devices are in range, you can
exchange information between them, even if they are
in different rooms.

Your device can use Bluetooth to share photos, contacts and
other content with other Bluetooth devices. Many of the apps
on your device provide options for sharing via Bluetooth
under ☰ **Menu**.

Turn Bluetooth On or Off

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲 .
2. Touch ✴ **Bluetooth**.
3. Touch **ON/OFF** to turn Bluetooth on or off.

Tip: You can also quickly turn Bluetooth on or off using Quick
Settings. From the Home screen, slide your finger
downward to display the Notification Panel. Touch the
Bluetooth button to turn Bluetooth on (green) or
off (gray).

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.

Pair with a Bluetooth Device

Pairing initiates a connection between your phone and the target device, usually by using a passcode or PIN. After pairing, your phone and the target device recognize each other and exchange information without having to enter a passcode or PIN.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲 .
2. Touch 🔵 **Bluetooth**. Touch **ON/OFF** to turn Bluetooth on.
3. Make sure that the target device is discoverable, so that your phone can find it. Refer to the target device's documentation for more information.
4. Touch **Scan**. Your phone will start to scan for Bluetooth devices within range.

5. From the list of scanned devices, touch the target device and follow the prompts to complete the pairing:
   • If the target device requires a PIN, enter a PIN for the target device and touch **OK**. When prompted, enter the PIN on the target device.
   • If the device allows automatic or smart pairing, your device will attempt to pair with the device automatically. Follow the prompts on your phone and the target device to complete the pairing.

Note: The pairing and connection status is displayed below the target device in the Bluetooth devices section. When you are connected to the target device, 📶 **Bluetooth connected** displays in the Status bar.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status:

🔵 Bluetooth is active.

📶 Bluetooth is connected (paired) and is communicating with another device.

Disconnect or Unpair from a Bluetooth Device

Disconnect from a Bluetooth Device

You can disconnect your phone from a Bluetooth device, such as a headset. Disconnecting does not unpair the Bluetooth device—the next time you connect, your phone and the target device will recognize each other and exchange information without having to enter a passcode or PIN.

1. From the Home screen, touch ▦ **Apps** ➔ 🔘 **Settings** ➔ 🔲.
2. Touch 🔵 **Bluetooth**. Touch **ON/OFF** to turn Bluetooth on.
3. Tap the connected device, and then touch **OK** to disconnect.

Unpair from a Bluetooth Device

You can make your phone forgets its pairing connection with another Bluetooth device. To connect to the other device again, you may need to enter or confirm a passcode again.

1. From the Home screen, touch ▦ **Apps** ➔ 🔘 **Settings** ➔ 🔲.
2. Touch 🔵 **Bluetooth**. Touch **ON/OFF** to turn Bluetooth on.
3. In the Bluetooth devices section, tap 🔧 next to the device, and then tap **Unpair**.

Reconnect to a Bluetooth Device

1. From the Home screen, touch ▦ **Apps** ➔ 🔘 **Settings** ➔ 🔲.
2. Touch 🔵 **Bluetooth**. Touch **ON/OFF** to turn Bluetooth on.
3. Make sure that the target device is discoverable.
4. Touch the target device's name in the Bluetooth devices section.
5. If prompted to enter a passcode, try 0000 or 1234, or consult the target device's documentation.

Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙️ **Settings** ➔ 🖼️ .

2. Touch ✷ **Bluetooth**. Touch **ON/OFF** to turn Bluetooth on.

3. Touch your phone's name to enable or disable visibility to other Bluetooth devices. When your phone is visible, other devices can find your phone during a scan. Your phone remains visible for the period of time set in the Visibility timeout setting.

4. Touch ⚙️ beside a paired device for options:
   • **Rename**: Enter a new name for the paired device.
   • **Unpair**: Delete the Bluetooth connection to this device. To connect to the other device again, you may need to enter or confirm a passcode again.

5. Touch ▤ **Menu** for options:
   • **Visibility timeout**: Set the length of time your phone is visible to other devices when you turn on visibility.
   • **Received files**: View files transferred to your phone via Bluetooth.
   • **Rename Device**: Change the name the device as it appears to other devices. Selecting this option takes you to the **About device** page under ⚙️ **Settings** ➔ 🖼️ **More**. Touch **Device name** to rename your device.
   • **Help**: Learn about Bluetooth, and other settings.

Tethering and Mobile Hotspot

Use feature lets you share your phone's mobile data connection via USB, Wi-Fi, or Bluetooth.

1. From the Home screen, touch ▦ **Apps** ➔ ◉ **Settings** ➔ ▧.

2. Touch **More networks** ➔ **Tethering and Mobile hotspot** for options:

   • Touch **Mobile hotspot** to share your mobile data connection.

   • **USB tethering**: Share your mobile data connection via USB.

     – Connect your phone to your PC using a USB cable and touch **USB tethering** to activate the feature. Follow the onscreen instructions.

   • **Bluetooth tethering**: Share your mobile data connection via Bluetooth.

     – Activate Bluetooth and make sure your device is visible, then touch **Bluetooth tethering** to activate the feature, see *"Bluetooth"* on page 88.

   • Touch **Help** for additional information.

Mobile Hotspot

Use your phone as an Internet Access Point (AP) via Portable mobile hotspot. This allows up to ten other devices to connect to the AP via a Wi-Fi network—giving the connected devices access to the Internet.

Turn on Hotspot

1. From the Home screen, touch ▦ **Apps** ➔ ◉ **Settings** ➔ ▧.

2. Touch **More networks** ➔ **Tethering and Mobile hotspot**.

3. Touch **Mobile hotspot**. Touch **ON/OFF** to enable the mobile hotspot. When enabled, 📶 appears on the Status bar.

4. Touch ▸ to control which devices may connect to your Hotspot:

   • **All devices**: Allow all devices to connect.

   • **Allowed devices only**: Limit connections to only those devices in your Allowed devices list.

Connect a Device

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲.

2. Touch **More networks** ➔ **Tethering and Mobile
   hotspot**.

3. Touch **Mobile hotspot**. Touch **ON/OFF** to enable
   Mobile hotspot.

4. If the other device is not in your Allowed devices list,
   tap ➤ ➔ **Allow all devices**.

5. On the other device, activate Wi-Fi and scan for Wi-Fi
   hotspots. Select the name of your phone and enter your
   Hotspot password (if required).

Note: Follow the other device's instructions for activating
Wi-Fi and connecting to your phone.

Allowed Devices

You can limit connections to your Hotspot to only those
devices in your Allowed Devices list.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲.

2. Touch **More networks** ➔ **Tethering and Mobile
   hotspot**.

3. Touch **Mobile hotspot**. Touch **ON/OFF** to enable
   Mobile hotspot.

4. Touch **Allowed devices** to view the Allowed Devices
   list.

5. To add a new device to the Allowed devices list:
   • Touch ➕ **Add device**.
   • Enter the device's name and MAC address.

6. To remove a device from the Allowed devices list:
   • Touch 🔲 **Delete**.
   • Touch each device you want to delete, or tap **Select
   all**.
   • Touch **Delete**.

Note: Using your phone as a mobile hotspot consumes battery
power and uses data service. While Mobile Hotspot is
active, your phone's applications will use the Mobile
Hotspot data service. Roaming while using your phone
as a mobile hotspot will incur extra data charges.

Mobile Hotspot Settings

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ [Connections].

2. Touch **More networks** ➔**Tethering and Mobile hotspot**.

3. Touch **Mobile hotspot**.

4. Touch **Configure** for options:
   • **Network SSID**: Enter a name for your phone. This name will be displayed in the other device's Wi-Fi networks listing.
   • **Hide my device**: Do not display your phone's name in the other device's Wi-Fi networks listing.
   • **Security**: Set the network connection to Open (no security) or WPA2 PSK (requires a password).
   • **Password**: Enter a security password. Tap **Show password** to display the password.
   • **Show advanced options**:
     – **Broadcast channel**: Select 2.4 GHz or 5 GHz as the broadcast channel. If 2.4 GHz is selected, touch **Auto** to select a different channel.

5. Touch ▤ **Menu** for additional options:
   • **Timeout settings**: Set the amount of time your device will be available as a portable Wi-Fi hotspot.

Bluetooth Tethering

Before starting, pair your computer with your device, then configure your computer to obtain its network connection via Bluetooth.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ [Connections].

2. Touch **More networks** ➔ **Tethering and Mobile hotspot**.

3. Connect the other device to your device via USB cable.

4. Touch **Bluetooth tethering** to turn tethering On or Off.

Important! Tethering consumes battery power and increases your data usage. Roaming while using tethering will incur extra data charges.

VPN

Set up and manage Virtual Private Networks (VPN).

Note: VPN settings include storage of login credentials on your phone. You must configure a screen unlock pattern, PIN or password before setting up a VPN. For more information, refer to *"Screen Lock"* on page 122.

Configure a Basic VPN

1. From the Home screen, touch ⚏ **Apps ➔** ⚙ **Settings ➔** .
2. Touch **More networks ➔ VPN**.
3. Touch ➕ **Add VPN** to enter the following:
   • **Name**: Enter the name of the VPN.
   • **Type**: Choose the type of VPN.
   • **Server address**: Enter the VPN server address.
   • **PPP Encryption (MPPE)**: Touch to enable, if applicable.
   • **Show advanced options**: Touch to set other options, depending on the type of VPN.
4. Touch **Save** to save the VPN.

NFC and Beaming

Use NFC (Near Field Communication) to share information between your phone and another NFC capable device by touching the devices together (typically back-to-back).

NFC beams transmits files using two protocols:

• **Android Beam** for sending smaller files such as browser pages, YouTube videos, contacts, pictures, etc.
• **S Beam** for sending larger files, such as HD videos.

Note: Each app determines what kind of data is beamed. Not all apps use NFC, and not all files can be transmitted using NFC.

Turn NFC On or Off

1. From the Home screen, touch ⚏ **Apps ➔** ⚙ **Settings ➔** .
2. Touch **NFC**.
3. Touch **ON/OFF** to turn NFC on or off.

Android Beam

Use Android Beam to share smaller files, such as browser pages, YouTube videos, contacts, pictures, etc.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲.
2. Touch **NFC**.
3. Touch **ON/OFF** to turn NFC on. When you turn on NFC, Android Beam is automatically turned on.
4. Turn on Android Beam on the target device. Refer to the target device's documentation for instructions on using Android Beam.
5. With the file you wish to share displayed or opened on your phone, simply touch your phone to the target device (typically back-to-back). Your phone will vibrate to indicate it is able to transmit the file.
6. After the vibration, touch your screen to send the file to the target device.
7. Follow the prompts on the target device for receiving the beamed file.

S Beam

Use S Beam for sending larger files, such as HD videos, between your phone and another NFC capable device by touching the devices together (typically back-to-back).

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲.
2. Touch **ON/OFF** to turn S Beam on. (When you turn on S Beam, NFC is automatically turned on).
3. Turn on S Beam on the target device. Refer to the target device's documentation for instructions on using S Beam.
4. With the file you wish to share displayed or opened on your phone, simply touch your phone to the target device (typically back-to-back). Your phone will vibrate to indicate it is able to transmit the file.
5. After the vibration, touch your screen to send the file to the target device.
6. Follow the prompts on the target device for receiving the beamed file.

Nearby Devices

Share your media files with nearby devices via Wi-Fi, Wi-Fi Direct, or Mobile hotspot. While **Nearby devices** is enabled, other devices can access your data saved in Gallery, Video, and Music.

Important! Use care when enabling file sharing for nearby devices. When enabled, other devices can access data on your device.

Turn File Sharing On or Off

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ .
2. Touch **Nearby devices** and touch **ON/OFF** to turn sharing on.

Configure File Sharing

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ .
2. Touch **Nearby devices**.
3. Under **Advanced**, touch options to control how content is shared from your device:
    *   **Content to share**: Choose the type of content to share.
    *   **Allowed devices**: View and manage devices allowed to connect to your device.
    *   **Denied devices**: View and manage devices restricted from connecting to your device.
    *   **Download to**: Choose a location to save downloaded content (Device or SD card).
    *   **Download from other devices**: Choose how to handle incoming files from other devices (Always accept, Always ask, or Always reject).

Screen Mirroring

Use the Screen Mirroring feature to share media files on your phone with an HDMI device, such as an HDMI TV.

Note: This feature requires an optional AllShare Cast dongle accessory (not included).

1. Connect the AllShare Cast dongle to the HDMI device using an HDMI A-to-A cable.
2. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲.
3. Touch **Screen Mirroring**. Your phone will scan for available devices.
4. Touch a device, a d follow the onscreen prompts.

Note: Press ▤ **Menu** ➔ **Help** for more information.

Connect to a Computer

Connect your device to a computer to transfer data between your device and the computer.

USB Connection

Connect your device to a computer with a USB cable to transfer data as a Media device (Media Transfer Protocol or MTP), or as a Camera using PTP (Photo Transfer Protocol or PTP).

1. Attach your device to the computer with a USB data cable. Your device recognizes the connection as the last connection method you used, and displays a connection alert in the Status bar and Notifications.
2. From the Home screen, sweep your finger downward to display Notifications, then touch the alert.

3. Select a connection method:
   - **Media device (MTP)**: Transfer media and data files using *Windows Media Player* on a PC, or use *Android File Transfer* on a Mac (visit android.com/filetransfer to download the software).
   - **Camera (PTP)**: Transfer photos using camera software, and transfer files to computers that do not support MTP.
4. On your computer, choose a method for accessing your device. Available options depend on the programs installed on your computer.
5. Transfer files to the memory card. When finished, you can disconnect the USB cable.

Section 8: Applications

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

Accessing Applications

To access applications:

1. From a Home screen,
2. Locate the application's icon and touch it to launch the application.
3. To return to the main Home screen, press **Home**.

Tip: Add shortcuts to frequently-used applications to one of the Home screens. For more information, refer to *"Shortcuts and Widgets"* on page 26.

Managing Applications

The Apps screen displays all applications installed on your device, including apps you download and install.

From Apps, you can change the way apps appear on the screen and uninstall apps you have downloaded. When you install new apps, new screens are added to hold them.

Downloading and Installing Apps

Find new apps to download and install on your device:

- **Play Store**: See page 110.
- **Samsung Hub**: See page 114.

Updating Applications

Once you have registered your device and signed into your Google account, you may see the **Updates Available** notification in the Notification Bar if there is a new version of one or more apps available or, when you open an application that is preloaded on your device, an **Update Available** message may be displayed.

To update the applications:

1. Touch the top of the screen and swipe downward.
   The Notification Panel displays.

2. Touch **Updates available**.

Uninstalling and Disabling Apps

You can uninstall apps you download and install on your device. Pre-loaded apps cannot be uninstalled, but some can be disabled.

Note: Downloaded apps can only be uninstalled, not disabled.

1. From a Home screen, touch **Apps**.

2. Touch **Menu** ➔ **Uninstall/disable apps**.

3. Apps that can be uninstalled or disabled show on their icon. Touch , and then follow the prompts to uninstall or disable the app.

Customizing the Apps Screens

Choosing a view

By default, app icons appear in Grid view. You can change the view to list view.

1. From a Home screen, touch ⊞⊞⊞ **Apps**.
2. Touch ▤ **Menu,** and then touch **View type**.
3. Choose an option:
   - **Customizable Grid**: The default view, which allows you to touch and hold on apps to move them from screen to screen.
   - **Alphabetical grid**: Icons are arranged in a grid, in A-Z order.
   - **Alphabetical list**: Icons display in a list, sorted from A-Z.

Apps Screen Options

1. From a Home screen, touch ⊞⊞⊞ **Apps**.
2. Touch ▤ **Menu** for these options:
   - **Edit**: Touch and hold an app icon then drag it to the Create folder icon to create a new folder. Drag it to the Create page icon to create a new apps screen and place the icon on it. Or drag it to App info to view information about this app.
   - **Create folder**: Create a new folder to hold shortcuts.
   - **Uninstall/disable apps**: Remove an app that you downloaded from your phone. Pre-loaded apps cannot be uninstalled, but some can be disabled.
   - **View type**: Configure the apps screen.
   - **Show disabled apps**: View any pre-loaded apps that are disabled. This option can only be selected if any pre-loaded apps are disabled.
3. Touch ⬇ **Downloaded applications** to display all apps you have downloaded.

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. Touch ▦ **Apps** ➔ 🔢 **Calculator**.
2. Enter the first number using the onscreen numeric keys.
3. Enter the operation for your calculation by touching the corresponding onscreen arithmetic function key.
4. Enter the second number.
5. To view the result, touch equals (**=**).
6. To view calculator history, touch ▬▬ located at the top of the calculator buttons. A history of your past calculations displays. Touch ▬▬ again to display the calculator keypad.
7. To clear the calculator history, touch ▭ **Menu** ➔ **Clear history**.

Tip: Turn your phone sideways to the landscape position to display the scientific calculator.

Calendar

Your device includes a powerful Calendar feature. You can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary.

To access the Calendar:

1. Touch ▦ **Apps** ➔ 📅 **Calendar**.
2. The following tabs are available on the right side of the display:
   • **Year**: Display the Year view.
   • **Month**: Display the Month view.
   • **Week**: Display the Week view.
   • **Day**: Display the Day view.
   • **List**: Display the List view.
   • **Task**: Search for tasks.
3. Touch ➕ **New** to create a new Calendar event.
4. Touch **Today** to display the current date, which is indicated by a blue box.

5. Touch ▤ **Menu** for options:
- **Go to**: Display a specific date.
- **Delete**: Delete All events, All events before today, or an individual event.
- **Search**: Search within your current events.
- **Sync**: Synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
- **Calendars**: Display various information such as My calendars, My task, your linked accounts, and Contact's birthdays.
- **Settings**: Displays a list of calendar settings.

Camera

Use your 8 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a camcorder to record videos.

■ Touch ▦ **Apps → 📷 Camera**.

For more information, refer to *"Camera"* on page 72.

Chrome

Explore the Internet using the Google Chrome browser.

■ Touch ▦ **Apps → 🔵 Chrome**.

Clock

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

■ Touch ▦ **Apps → 🕑 Clock**:

The Clock application includes these features:
- **Alarm**: Create alarms to go off once, or to repeat.
- **World clock**: Display the time and date in any time zone.
- **Stopwatch**: Record lap times.
- **Timer**: Measure elapsed time.
- **Desk clock**: Display the date and time in large format for easy viewing.

Contacts

Use Contacts to store information for your friends, family and colleagues, to make contacting them easy.

■ Touch ▦ **Apps → 👤 Contacts**.

For more information, refer to *"Contacts"* on page 36.

Downloads

View and manage files and other items you download to your phone.

1. Touch ▦ **Apps** ➔ 🔽 **Downloads**.
2. Touch an item to open it.

Note: Applications you download in Google Play Store are managed in Play Store, and will not appear in Downloads.

Email

Send and receive email using popular email services.

■ Touch ▦ **Apps** ➔ 📧 **Email**.

For more information, refer to *"Using Email"* on page 66.

Flipboard

Create a personalized digital magazine from news stories, personal feeds and other related material. Flip through Facebook news feed, tweets from your Twitter account, photos from friends, and more.

■ Touch ▦ **Apps** ➔ 📓 **Flipboard**.

Gallery

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

■ Touch ▦ **Apps** ➔ 🖼 **Gallery**.

For more information, refer to *"Gallery"* on page 77.

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.

■ Touch ▦ **Apps** ➔ ✉ **Gmail**.

For more information, refer to *"Gmail"* on page 67.

Google

Use Google to search the Web.

■ Touch ▦ **Apps** ➔ 🅖 **Google**.

Google Settings

Configure preferences for Google apps, such as Google+, Locations, Search, Ads, and more.

Note: You must be signed in to the application in which you want to configure (ex: sign in to Google+ to configure Google+ settings).

1. Touch ▦ **Apps** ➔ 🐾 **Google Settings** and select an onscreen option.
2. Touch an app or service to configure options.

Google+

Stay connected and share life as it happens with Google+ on your device. Join a group chat, post a photo, or see what friends are sharing while you are on the go.

Visit google.com/mobile/+ to learn more.

Note: This app requires a Google account.

■ Touch ▦ **Apps** ➔ 8+ **Google+**.

Group Play

Share currently viewed documents or photos, or currently playing music files with other devices connected to the same Wi-Fi network and your device.

Create a group and set your device as the Mobile AP using a portable Wi-Fi hotspot.

Important! Connected devices cannot have access to the internet using your data network.

If your device supports NFC, connect with other devices by holding them close together.

■ Touch ▦ **Apps** ➔ 🖼 **Group Play**.

Hangouts

Hangouts is a free instant messaging app offered by Google. You can connect with your friends across computers and various Android devices. You can have conversations or video calls with up to 10 friends.

Visit google.com/hangouts to learn more.

Note: This app requires a Google account.

■ Touch ▦ **Apps** ➔ 💬 **Hangouts**.

Help

Access help information to learn how to use the phone and applications or configure important settings.

1. Touch ▦ **Apps → ❷ Help**.
2. Select a category to view tips.
   - To sort categories by an alphabetical order, touch ▀a-z **Sort**.
   - To search for keywords, touch **Q Search**.

Internet

Your phone is equipped with a full HTML Browser, which allows you to access the internet.

- Touch ▦ **Apps → 🌐 Internet**.

Navigating the Internet

Command Keys

- Touch ◀ **Back** to return to the previous page.
- Touch ▶ **Forward** to go forward.

Touching and Dragging

- Touch and drag your finger on the screen to navigate pages, and to reposition pages within the screen.

Entering Text in a Field

- While browsing, touch a text field to display the virtual QWERTY keyboard to enter text.

Zoom

- Tap the screen twice to zoom in or out.
- "Pinch" the screen to zoom out, or "spread" the screen to zoom in. For more information, refer to *"Pinch and Spread"* on page 23.

Selecting Items on a Page

While browsing pages, use gestures and menus to navigate:

- Touch an item to select it.
- Touch a hyperlink to follow the link.
- Touch and hold on a hyperlink for options.

Entering a URL

Access a website quickly by entering the URL.

1. Touch ▦ **Apps → 🌐 Internet**.
2. Touch the **URL** field at the top of the screen to enter the URL, and then touch **Go**.

Maps

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

Note: You must enable location services to use Maps. See *"Location Services"* on page 150.

■ Touch ▦ **Apps ➔** 🗺 **Maps**.

Messaging

Send and receive text and multimedia messages.

■ Touch ▦ **Apps ➔** 📩 **Messaging**.

For more information, refer to *"Messaging"* on page 60.

Music Player

Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists.

■ Touch ▦ **Apps ➔** 🎧 **Music**.

For more information, refer to *"Music Player"* on page 69.

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. You can open the file in the appropriate app(s), if available.

1. Touch ▦ **Apps ➔** 📁 **My Files**.
2. Touch a category: All files, Images, Videos, Music, or Documents.
3. If All files is chosen:
   • Touch **Device storage** to see the contents of your internal SD card.

   – or –

   • If you have an external SD card inserted, touch **SD memory card** to see the contents of your.

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

4. Touch a folder and swipe your finger on the screen to browse files.
5. Touch a file to open it, if the file is associated with an application.

6. While browsing files, use these controls:

- To go back to the root directory, touch **Home**.
- To go back up to a higher directory, touch **Up**.
- For options, touch **Menu**.

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites.

■ Touch **Apps** ➔ **Phone**.

For more information, refer to *"Call Functions"* on page 49.

Photos

Automatically save every photo you take with your device to your Google+ account. Then it is easy to view, organize, and share them with friends and family of your choice.

Visit google.com/+/learnmore/photos to learn more.

Note: This app requires a Google Account.

■ Touch **Photos**.

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.

Visit play.google.com/store/books to learn more.

Note: This app requires a Google Account.

■ Touch **Apps** ➔ **Play Books**.

Play Games

Discover hundreds of games for download and purchase through the Google Play Store.

Visit play.google.com/store/apps/category/GAME to learn more.

Note: This app requires a Google Account.

■ Touch **Apps** ➔ **Play Games**.

Play Movies & TV

Watch movies and TV shows purchased from Google Play. You can stream them instantly, or download them for viewing when you're not connected to the Internet. You can also view videos saved on your device.

Visit play.google.com/about/movies to learn more.

Note: This app requires a Google Account.

■ Touch ▦ **Apps** ➔ ▮ ▮ **Play Movies & TV**.

Play Music

With Google Play Music, you can play music you've downloaded, and music you copied from your computer. You'll need to be have a Google account to download content.

Visit play.google.com/about/music to learn more.

Note: This app requires a Google Account for some features.

■ Touch ▦ **Apps** ➔ 🎧 **Play Music**.

Play Newsstand

Subscribe to your favorite magazines, and have them available to read on your device at any time, in any place.

Visit play.google.com/store/newsstand to learn more.

Note: This app requires a Google Account.

■ Touch ▦ **Apps** ➔ 📰 **Play Newsstand**.

Play Store

All your favorite apps, movies and tv shows, music, books, magazines, and games are available in Google Play Store.

Visit play.google.com/store to learn more.

Note: This app requires a Google Account.

■ Touch ▦ **Apps** ➔ 🛍 **Play Store**.

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 files.

■ Touch ▦ **Apps** ➔ ⬆ **Polaris Office 5**.

S Memo

Record ideas instantly and freely with memos containing text, pictures, handwritten notes or drawings, and voice recordings.

■ Touch ▦ **Apps** ➔ S **S Memo**.

Creating a New Memo

1. Touch ▦ **Apps** ➔ S **S Memo**.
2. Touch an existing Memo to open it then touch the screen to enter edit mode.

   – or –
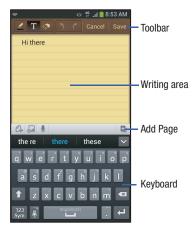
   Touch **+T** to start a new memo in text mode with the keyboard displayed.

   – or –
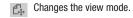
   Touch **+✎** to start a new memo in drawing mode.

You can use your finger or an optional, compatible stylus.

You can change back and forth in a memo to add text with the keyboard and an optional stylus.

- Toolbar
- Writing area
- Add Page
- Keyboard

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.

Access 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. Touch ⌐ 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 display differently. The following is a list of the options you may see.

• **Share via**: Share your memo as either an Image file (.jpg), PDF file (.pdf), Plain text, or S Memo file (.snb).
• **Delete**: Delete the S Memo.
• **Export**: Save the memo to Google Drive, Evernote, or My Files.
• **Save as**: Save the memo with a different name.
• **Add tag**: Set tags to add in searches.
• **Add to Favorites**: Tag the current memo as a favorite.
• **Change background**: Set the background for your memo. Touch the background that you want; then touch ↰.
• **Edit pages**: Delete, copy, and paste pages between memos.
• **Create event**: Link the memo to your Calendar events.

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

4. Touch **Save** on the top menu bar when you are finished creating your memo.

S Translator

Allows you can easily translate words and phrases (verbal or text messages) into many different languages.

Note: This app requires a Samsung Account.

1. From the **Apps** screen, touch 🔠 **S Translator**.
2. Follow the onscreen instructions.

S Voice

Use S Voice to speak commands to perform operations on your phone, and to speak criteria for searches and other operations. Just speak naturally, and S Voice understands what you're looking for. Use the power of S Voice to find everything from directions to trivia answers to the current weather forecast.

1. Touch ▦ **Apps** ➔ 🎤 **S Voice**.
2. Follow the onscreen instructions to set up S Voice.
3. Touch ▭ **Menu** ➔ **Settings** to configure settings to your preferences.

You can launch S Voice from most unlocked screens by pressing ▭ **Home** twice. To set this option:

1. Touch ▦ **Apps** ➔ 🎤 **S Voice**.
2. Touch ▭ **Menu** ➔ **Settings**.
3. Touch **Open via the home key** to turn the option On. The default setting value is **On**.

Samsung Apps

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

1. Sign in to your Samsung account, if you have not already done so.
2. Touch **Samsung Apps**.
3. Touch an application that you would like, then follow the onscreen instructions to download.
4. Touch **Menu** ➔ **Help** for additional information.

Samsung Hub

Browse and purchase Music, Video, Books, or Games using Samsung Hub.

1. Touch **Apps** ➔ **Samsung Hub**.
2. Select Music, Video, Books, or Games from the Samsung Hub screen.
3. Follow the onscreen instructions to browse, view, or purchase media.

Samsung Hub Notices

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

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

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

Samsung Link

Use this application to share and play content across smart devices anywhere, anytime.

■ Touch ▦ **Apps** ➔ ⓓ **Samsung Link**.

Settings

Configure your device to your preferences. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

■ Touch ▦ **Apps** ➔ ⚙ **Settings**.

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

SIM Toolkit

Manage the settings specific to your SIM card.

■ Touch ▦ **Apps** ➔ 🗂 **SIM Toolkit**.

Story Album

Create an album with your story on one timeline.

■ Touch ▦ **Apps** ➔ 🖼 **Story Album**.

TripAdvisor

TripAdvisor allows you to access traveler reviews and opinions on hotels, restaurants and more. You can also compare prices and check availability on hotels, flights, car rentals and more.

Note: This application requires a Samsung account.

■ Touch ▦ **Apps** ➔ 🔴 **TripAdvisor**.

Video Player

The Video application plays video files stored on your memory card.

■ Touch ▦ **Apps** ➔ ▶ **Video**.

For more information, refer to *"Video Player"* on page 82.

Voice Recorder

Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail.

■ Touch ▦ **Apps** ➔ ■ **Voice Recorder**.

Voice Search

Use voice commands to search the web with Google.

■ Touch ▦ **Apps** ➔ 🔵 **Voice Search**.

VPN Client

VPN Client lets you define multiple Virtual Private Networks (VPNs) to your device and connect to them as needed by simply selecting a connection from the VPN Client list.

■ Touch ▦ **Apps** ➔ 🔵 **VPN Client**.

WatchON

Use the Samsung WatchON application to use your phone as a remote control for your TV, set top box, DVR, Blu-Ray/DVD, stereo or other device.

Set Up WatchON

1. Touch ▦ **Apps** ➔ 🔲 **WatchON**.
2. Follow the prompts to configure WatchON options, such country/region, TV service provider, channel list setup, etc.

Note: Touch ▤ **Menu** ➔ **Help** to learn more about WatchON.

Configure Your Device as a Remote

1. From the toolbar, touch 📡 **Remote Control**.
2. Touch **Continue** at the prompt.
3. Follow the prompts to find your TV or other devices and configure your phone to control their operation.

YouTube

View and upload YouTube videos, right from your phone.

■ Touch ▦ **Apps** ➔ ▶ **YouTube**.

Section 9: Settings

This section explains the settings used for customizing your device.

Accessing Settings

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

– or –

From a Home screen, touch ▤ **Menu** ➔ **Settings**.

– or –

From any screen, touch the top of the screen and swipe downward, to display the Notification Panel, and then touch ⚙ **Settings**.

Settings Controls

Some features are enabled or disabled by touching **ON/OFF** to turn the feature on (■ ON) or off (OFF ■). For some options, you can also touch the feature name, such as **Wi-Fi**, to display more options.

Some options are enabled or disabled by touching a checkbox. When enabled, a ✓ check mark displays. Touch the check mark to remove it and disable the option.

Settings Tabs

The Settings are divided into 4 main tabs:

🔗 **Connections**	Connect to wireless networks, manage mobile networks, and connect to other devices.
📱 **My device**	Personalize your phone, including the display, sounds, the lock screen, accessibility features, language and input methods, and more.
🔑 **Accounts**	Add and manage your email and other accounts, and back up your data.
⋯ **More**	Manage location services, security, storage, and other features of your phone.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

For more information, refer to *"Wi-Fi"* on page 85.

Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection.

For more information, refer to *"Wi-Fi Direct"* on page 87.

Bluetooth

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet. If the devices are in range, you can exchange information between them, even if they are in different rooms.

For more information, refer to *"Bluetooth"* on page 88.

Data Usage

Monitor data usage, and control your phone's connection to mobile data service.

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

---

1. From the Home screen, touch ▦ **Apps** ➔
   ◉ **Settings** ➔ 🔲.
2. Touch **Data usage** ➔ **Mobile data** to enable or disable your phone's connection to mobile data service.
   • When disabled, you will not be able to use the Internet, sync email, or use any app that requires a data connection unless you are connected to a Wi-Fi network.
3. Touch **Set mobile data limit** to disable the mobile data connection when the specified limit is reached.

View Mobile Data Usage

1. Touch the **Data usage cycle** drop-down menu and select a time period.

   A chart displays the total mobile data usage during that time period, followed by a breakdown of data usage by each application.

2. Set data usage limits:
   • Touch and drag the **red limit bar** to set the maximum data limit. When data usage reaches this limit, mobile data will be disabled.

Warning! When disabled, you will not be able to use the Internet, sync email, or use any app that requires a data connection unless you are connected to a Wi-Fi network.

   • Touch and drag the **yellow warning bar** to set a warning level. You will be notified when data usage reaches this level.

   • Touch and drag the **two white bars** to adjust the time period displayed.

   • Touch an **application** to view its data usage. Touch **Restrict background data** to force the application to sync background data only when connected to a Wi-Fi network

3. Touch ▭ **Menu** for options:
   • **Data roaming**: Allow your phone to use mobile data when roaming. Additional charges may apply. See your service plan for details.

   • **Restrict background data**: Prevent the phone from connecting to the mobile data network in the background for synchronization or other services.

   • **Auto sync data**: Synchronize with accounts automatically, at any time.

   • **Show Wi-Fi usage**: Display data usage while connected to Wi-Fi.

   • **Mobile hotspots**: Select Wi-Fi networks that are mobile hotspots. You can restrict apps from using these networks, and you can configure apps to warn you before using these networks for large downloads.

More Networks

Access additional options for configuring connections between your phone and other devices.

Airplane Mode

Enabling Airplane mode turns off calling, messaging, and data network features. It also turns off other connectivity features, such as Wi-Fi and Bluetooth.

While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or other applications.

To use Wi-Fi and Bluetooth when Airplane mode is enabled, turn them on in Settings, or on the Notifications panel.

1. From the Home screen, touch ▦ **Apps** ➔
   Settings ➔ 🔧.
2. Touch **More networks** ➔ **Airplane mode** to enable or disable the option.

Note: You can also set Airplane mode from the *Device options* menu. Press and hold the **Power/Lock Key**, then touch **Airplane mode**.

Mobile Networks

Set options for network selection and data service.

Important! Depending on your service plan, changes you make to mobile networks settings may incur extra charges. Consult your service provider for more information.

1. From the Home screen, touch ▦ **Apps** ➔
   Settings ➔ 🔧.
2. Touch **More networks** ➔ **Mobile networks** for options:
   • **Mobile data**: Allow your phone to connection to a mobile data network.
   • **Data Roaming**: Allow connection to data services when your device is roaming on another network.
   • **Network mode**: Choose a preferred network mode.
   • **System select**: Change CDMA roaming mode.

Tethering and Mobile Hotspot

Use feature lets you share your phone's mobile data connection via USB, Wi-Fi, or Bluetooth.

For more information, refer to *"Tethering and Mobile Hotspot"* on page 92.

VPN

Set up and manage Virtual Private Networks (VPNs).

For more information, refer to *"VPN"* on page 95.

NFC

Use NFC (Near Field Communication) to share information between your phone and another NFC capable device by touching the devices together (typically back-to-back).

For more information, refer to *"NFC and Beaming"* on page 95.

Android Beam

Use Android Beam to share smaller files, such as browser pages, YouTube videos, contacts, pictures, etc.

For more information on using Android Beam, see *"Android Beam"* on page 96.

S Beam

Use S Beam for sending larger files, such as HD videos, between your phone and another NFC capable device by touching the devices together (typically back-to-back).

For more information on using S Beam, see *"S Beam"* on page 96.

Nearby Devices

Share files with nearby devices using the DLNA (Digital Living Network Alliance) standard via Wi-Fi.

For more information, refer to *"Nearby Devices"* on page 97.

Printing

Use this feature to manage your printers.

Screen Mirroring

Use the Screen Mirroring feature to share media files on your phone with an HDMI device, such as an HDMI TV.

For more information, refer to *"Screen Mirroring"* on page 98.

Lock Screen

Configure your phone's Lock Screen.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲.
2. Touch **Lock Screen** for options.

Screen Lock

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲.

2. Touch **Lock screen** ➔ **Screen lock** and select a screen lock. Then configure the displayed options for that screen lock:

• **Swipe**: Unlock your phone by swiping your finger across the screen. This is the default screen lock and offers no security.

– **Multiple widgets**: Display multiple widgets on your Lock screen.

– **Lock screen widgets**: Customize your clock and personal message.

– **Shortcuts**: Add app shortcuts to the lock screen.

– **Unlock effect**: Show a ripple effect or light effect on the lock screen when you slide your finger over the screen.

– **Help text**: Show help information on the Lock screen.

– **Wake up in lock screen**: Wake up the screen by speaking a command when the *Swipe* Screen lock is turned on.

– **Set wake-up command**: Set a command to wake up the screen.

• **Face unlock**: Unlock your phone by looking at the screen. This option offers low security, because someone who looks similar to you could unlock your phone. Touch the option for more information, and to set up Face unlock.

– **Lock screen widgets**: Customize your clock and personal message.

– **Improve facial recognition**: Have your face captured in different conditions.

– **Presence check**: Require a blink to unlock your phone.

– **Make pattern visible**: Display the security pattern.

– **Lock automatically**: Automatically lock the phone when the screen has turned off after a selected amount of time.

– **Lock instantly with power key**: Instantly lock your phone by pressing the **Power/Lock Key**.

• **Face and voice**: Unlock your phone by looking at the screen and speaking. This option offers low security, because someone who looks and/or sounds similar to you could unlock your phone. Touch the option for more information, and to set up Face and voice unlock.

- **Lock screen widgets**: Customize your clock and personal message.
- **Improve facial recognition**: Have your face captured in different conditions.
- **Presence check**: Require a blink to unlock your phone.
- **Make pattern visible**: Display the security pattern.
- **Lock instantly with power key**: Instantly lock your phone by pressing the **Power/Lock Key**.

• **Pattern**: Draw a pattern on the screen to unlock your phone. Touch the option, then follow the prompts to create or change your screen unlock pattern.
- **Lock screen widgets**: Customize your clock and personal message.
- **Make pattern visible**: Display the security pattern.
- **Lock instantly with power key**: Instantly lock your phone by pressing the Power/Lock Key.

• **PIN**: Enter a numeric PIN (Personal Identification Number) to unlock your phone.
- **Lock screen widgets**: Customize your clock and personal message.

- **Lock automatically**: Automatically lock your phone 5 seconds after the screen turns off.
- **Lock instantly with power key**: Instantly lock your phone by pressing the **Power/Lock Key**.

• **Password**: Enter an alphanumeric password to unlock your phone.
- **Lock screen widgets**: Customize your clock and personal message.
- **Lock automatically**: Automatically lock the phone when the screen has turned off after a selected amount of time.
- **Lock instantly with power key**: Instantly lock your phone by pressing the **Power/Lock Key**.

• **None**: Disable all Screen lock settings.

Display Settings

Configure your phone's display.

1. From the Home screen, touch ▦▦▦ **Apps** ➔ ◉ **Settings** ➔ 🔩 **My device**.

2. Touch **Display** for options.

Wallpaper

Customize the background of the Home and Lock screens. For more information, refer to *"Wallpaper"* on page 27.

Notification Panel

Configure the Notification panel, available when you swipe your finger down from Status bar at the top of the screen.

For more information, refer to *"Notification Panel"* on page 20.

Screen Mode

Optimize the image or media being displayed.

1. From the Home screen, touch ▦▦▦ **Apps** ➔ ◉ **Settings** ➔ 🔩 **My device** ➔ **Display**.

2. Touch **Screen mode** for options:
   • **Adapt display**: Automatically optimize the screen to match the type of image or media being displayed and other criteria, such as battery level.
   • When **Adapt display** is disabled, select a specific screen mode to match the content being display.

Brightness

Adjust the screen brightness to suit your surroundings or to your personal preference.

1. From the Home screen, touch ▦▦▦ **Apps** ➔ ◉ **Settings** ➔ 🔩 **My device** ➔ **Display**.

2. Touch **Brightness**.

3. Touch **Automatic brightness** to allow the phone to adjust the brightness based on your surroundings.

   – or –

   To set a custom level, disable **Automatic brightness**, and then touch and drag the **Brightness level** bar.

Auto Rotate Screen

Allow the phone to switch the display orientation automatically when you rotate the phone.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **My device** ➔ **Display**.

2. Touch **Auto rotate screen** to enable or disable the feature.

Screen Timeout

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **My device** ➔ **Display**.

2. Touch **Screen timeout** to choose a time period.

Daydream

The Daydream setting controls what the screen displays when the phone is docked, or while charging. You can choose to display a Colors screen, or display photos stored on your phone.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **My device** ➔ **Display**.

2. Touch **ON/OFF** next to Daydream to turn the feature on, and then touch **Daydream** for options:

   • **Colors**: Display screen full of colors.

• **Flipboard**: Display pictures from Flipboard. Touch ⚙ to choose pictures to display.

• **Google Photos**: Display pictures from Google Photos.

• **Photo frame**: Display pictures in a photo frame. Touch ⚙ to choose pictures to display.

• **Photo table**: Display pictures in a photo table. Touch ⚙ to choose pictures to display.

• Touch **Start now** to preview Daydream mode. Touch the screen to cancel.

• Touch **Select dream time** to choose when daydream displays: While docked, While charging, or Both.

Font Style

Select the font style for standard display text.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **My device** ➔ **Display**.

2. Touch **Font style** to choose a font.

Tip: To find new fonts, touch **Get fonts online** to access new fonts in the Google Play Store app.

Font Size

Select the font size for standard display text.

1. From the Home screen, touch ▦ **Apps →**
   ⊙ Settings → ⬚My device → Display.
2. Touch **Font size** to choose a size.

Touch Key Light Duration

Set the length of time the ▭ **Menu Key** and ⤺ **Back Key**
remain lit after you touch them.

1. From the Home screen, touch ▦ **Apps →**
   ⊙ Settings → ⬚My device → Display.
2. Touch **Touch key light duration** to choose a time
   period.

Show Battery Percentage

The battery charge level displays as an icon on the Status
bar by default. This option displays the battery icon plus the
percentage of remaining battery charge.

1. From the Home screen, touch ▦ **Apps →**
   ⊙ Settings → ⬚My device → Display.
2. Touch **Show battery percentage** to turn the option on.

Edit After Screen Capture

Set screen captures you take to be automatically opened for
editing.

1. From the Home screen, touch ▦ **Apps →**
   ⊙ Settings → ⬚My device → Display.
2. Touch **Edit after screen capture** to turn the option on.

Auto Adjust Screen Tone

Allow your phone to automatically analyze the screen and
adjusts the brightness to conserve battery power.

1. From the Home screen, touch ▦ **Apps →**
   ⊙ Settings → ⬚My device → Display.
2. Touch **Auto adjust screen tone** to turn the option on.

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, touch **Apps** →
   Settings → → **Display**.

2. Touch **LED indicator** for options:
   • **Charging**: The red LED lights up when you charge your device while the screen is off.
   • **Low battery**: The red LED blinks when the battery power is low while the screen is off.
   • **Notifications**: The blue LED blinks when you have missed calls, messages, or app notifications while the screen is off.
   • **Voice recording**: The blue LED blinks when you record voice while the screen is off.

Sound Settings

Configure settings for your phone's sound and audio.

1. From the Home screen, touch **Apps** →
   Settings → → **Display**.

2. Touch **Sound** for options.

Volume

Set the system volume level, and set default volume for call ringtones, notifications, and media playback.

1. From the Home screen, touch **Apps** →
   Settings → .

2. Touch **Sound** → **Volume**.

3. Touch and drag the sliders for:
   • **Music, video, games, and other media**: Set the default volume level for audio playback. You can also adjust volume from this default inside the apps.
   • **Ringtone**: Set the volume for incoming call ringtones.
   • **Notifications**: Set the volume for notifications, such as new messages and event reminders.
   • **System**: Set the volume for all other system sounds, such as keytones played for screen touches. You can control whether tones play for screen touches with other sound settings.

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

Ringtones

Choose a ringtone for incoming calls.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔳 .
2. Touch **Sound** ➔ **Ringtones**.
3. Touch a ringtone to select it. As you touch a ringtone, a sample plays.
4. Touch **Add** to choose a music track from Google Music or Music Player.

Vibrations

Choose a vibration pattern to use when vibration is enabled.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔳 .
2. Touch **Sound** ➔ **Vibrations**.
3. Touch a vibration pattern to select it. As you touch a pattern, a sample of the vibration occurs.
4. To create your own pattern, touch **Create**. Touch **Tap to create** and tap the screen to enter a new pattern.

Default Notification Sound

Choose a default sound to play for notifications, such as for new messages and event reminders.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔳 .
2. Touch **Sound** ➔ **Default notification sound**.
3. Touch a sound to select it. As you touch a sound, a sample plays.

Vibrate When Ringing

Set a vibration to occur for calls and notifications, along with the ringtone or sound.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔳 .
2. Touch **Sound**.
3. Touch **Vibrate when ringing** to turn the option on.

Dialing Keypad Tone

Play tones when you touch keys on the phone keypad.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔳 .
2. Touch **Sound.**
3. Touch **Dialing keypad tone** to turn the option on.

Touch Sounds

Play tones when you touch keys on the phone.

1. From the Home screen, touch ▦ **Apps** ➔
   ◉ **Settings** ➔ 🔲 **My device**.
2. Touch **Sound.**
3. Touch **Touch sounds** to turn the option on.

Screen Lock Sound

Play tones when you touch the screen to lock or unlock it.

1. From the Home screen, touch ▦ **Apps** ➔
   ◉ **Settings** ➔ 🔲 **My device**.
2. Touch **Sound.**
3. Touch **Screen lock sound** to turn the option on.

Emergency Tone

You can choose to have a tone play, or have your phone vibrate, periodically during an emergency call.

1. From the Home screen, touch ▦ **Apps** ➔
   ◉ **Settings** ➔ 🔲 **My device**.
2. Touch **Sound.**
3. Touch **Emergency tone** to select a tone:
   • **Off**: No tone or vibration plays during emergency calls.
   • **Alert**: A tone plays during emergency calls.
   • **Vibrate**: A vibration plays during emergency calls.

Samsung Applications

This section allows you to configure sound settings for applications such as calling, messaging and so on.

• **Call**: Configure ringtones and alerts. For more information, refer to *"Call Settings"* on page 131.
• **Messaging**: Configure messaging notifications. For more information, refer to *"Default Notification Sound"* on page 129.
• **Email**: Configure Email alerts.
• **Calendar**: Configure Calendar Event alerts.

Adapt Sound

Find the best sound for you during calls and media playback.

Note: This setting uses earphones to ensure the best sound during setup. You must connect optional earphones (not included) to the phone to configure this setting.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🗋.
2. Touch **Sound** ➔ **Adapt Sound**.
3. Read the instructions, then touch **Start**.

Home Screen Mode

Your phone offers two Home screen modes:

- **Standard mode** provides a conventional layout for apps and widgets on the Home screen.
- **Easy mode** provides an easier experience for the first-time smartphone user.

You can choose the Home screen mode at any time.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🗋.
2. Touch **Home screen mode**.
3. Touch **Standard mode** or **Easy mode**, and then touch **Apply**.

Call Settings

Configure your phone's display.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🗋.
2. Touch **Call** for options.

Call Rejection

Manage your list of phone numbers which will be automatically rejected.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲.

2. Touch **Call** ➔ **Call rejection** for options:
   • **Auto reject mode**: Set how the phone responds for rejected calls (Off, All numbers, or Auto reject numbers).
   • **Auto reject list**: Enter phone numbers to reject.
     – Touch to enable **Unavailable** to reject calls with no caller ID.
     – Touch **Create** and follow the prompts to enter numbers to reject, or select them from Contacts. Touch **Match criteria** to set options for using the reject number list.

Set Up Call Rejection Messages

Create and manage text messages to send to callers when rejecting incoming calls. Messages you create here are available from the incoming call screen when you use the *Reject with message* option.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲.

2. Touch **Call** ➔ **Set up call rejection messages**.

3. Manage messages:
   • To create new messages, touch ➕ **Create**, then follow the prompts.
   • To modify an existing message, touch the message and edit the text.

Answering/Ending Calls

Manage settings for answering and ending calls.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🗔.
2. Touch **Call** ➔ **Answering/ending calls**.
3. Configure options:
   • **The home key answers calls**: Answer an incoming call by pressing the ▭ **Home Key**.
   • **Voice control**: Answer calls by speaking commands.
     – You can answer or reject calls with the voice commands "Answer" and "Reject."
     – When you answer a call with a voice command, the speaker will automatically turn on for hands-free calls.
   • **The power key ends calls**: End a call by pressing the ▭ ⓞ **Power/Lock Key**. When enabled, pressing the Power/Lock Key during a call will not lock the screen.

Turn Off Screen During Calls

Set the screen to automatically turn off during phone calls when you move the phone to your ear.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🗔.
2. Touch **Call**.
3. Touch **Turn off screen during calls** to enable or disable the feature.

Call Alerts

Set options for sounds and vibrations to occur during calls.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🗔.
2. Touch **Call** ➔ **Call alerts**.
3. Configure options:
   • **Vibrate on connection to network**: Vibrate when a call connects to the network.
   • **Call-end vibration**: Vibrate when the other caller ends the call.
   • **Call connect tone**: Play a tone when the person you called answers .
   • **Minute minder**: Play once per minute during a call.

Settings   133

• **Call end tone**: Play a tone when the other caller ends the call.

• **Alerts on call**: Play notifications for alarms and new messages play during calls.

Call Accessories

Configure options for using a headset (not included).

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲 **My device**.
2. Touch **Call** ➔ **Call accessories**.
3. Configure settings:

    • **Automatic answering**: When a headset is connected, incoming calls are answered automatically after a delay (set with the *Automatic answering timer* setting).

    • **Automatic answering timer**: Choose a time period to delay before automatically answering an incoming call when *Automatic answering* is enabled and a headset is connected to the device.

    • **Outgoing call conditions**: When a Bluetooth headset is connected, allow calls to be made even when the device is locked.

Ringtones and Keypad Tones

Choose tones and vibration to use for incoming calls and keypad touches.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲 **My device**.
2. Touch **Call** ➔ **Ringtones and keypad tones**.
3. Configure settings:

    • **Ringtones**: Choose a default ringtone for incoming calls.

    • **Vibrations**: Choose a vibration pattern, or create your own pattern, to occur when *Vibrate when ringing* is turned on.

    • **Vibrate when ringing**: Vibrate when the phone rings.

    • **Dialing keypad tones**: Play tones when you touch the keypad.

Personalize Call Sound

Choose options for call audio, in cases where you might need the sound softer or more clear, or optimized for your right or left ear.

1. From the Home screen, touch ▦ **Apps** ➔
    ⚙ **Settings** ➔ ▣ .
2. Touch **Call** ➔ **Personalize call sound**.
3. Touch **In-call sound EQ** to configure options:
    • **Off**: Use the default call sound settings.
    • **Soft sound**: Use softer sounds during calls.
    • **Clear sound**: Use clearer sounds during calls.
    • **Adapt Sound left**: Optimize audio for the left headphone speaker.
    • **Adapt Sound right**: Optimize audio for the right headphone speaker.
4. Touch **Adapt sound** and follow the prompts to find the best sound for you.

Noise Reduction

Set the phone to suppress background noise during calls.

1. From the Home screen, touch ▦ **Apps** ➔
    ⚙ **Settings** ➔ ▣ .
2. Touch **Call**.
3. Touch **Noise reduction** to enable the feature.

Increase Volume in Pocket

Use the proximity sensor to detect when the device is in a pocket or bag and increase the volume when ringing.

1. From the Home screen, touch ▦ **Apps** ➔
    ⚙ **Settings** ➔ ▣ .
2. Touch **Call**.
3. Touch **Increase volume in pocket** to enable the feature.

Voicemail

Configure options for voicemail.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ ▨ **My device**.
2. Touch **Call**.
3. Configure options:
   • **Voicemail service**: By default, your device uses your wireless service provider's voicemail service. If you have another option for voicemail installed, select it here.
   • **Voicemail settings**: By default, the speed dial for calling voicemail for your service provider is *86 (*VM). If you wish to use another speed dial, touch Voicemail number to set a new one.
   • **Sound**: Choose a default ringtone for new voicemail.
   • **Vibrate**: Set a vibration to occur for new voicemail.

Auto Retry

Automatically redial the phone number until it is connected.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ ▨ **My device**.
2. Touch **Call**.

3. Touch **Auto Retry** to automatically redial a call if it receives a busy signal from the network.

TTY Mode

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

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

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ ▨ **My device**.
2. Touch **Call**.
3. Touch **TTY mode** to choose a mode (TTY Off, TTY Full, TTY HCO, or TTY VCO).

Hearing Aids

Improve the sound quality of your phone for use with hearing aids.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ ▨ **My device**.
2. Touch **Call**.

3. Touch **Hearing aids** to enable the feature.

DTMF Tones

Set the length of Dual-Tone Multi-Frequency tones which play when you use the keypad during a call or when navigating the phone's menus.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ ▧.
2. Touch **Call**.
3. Touch **DTMF tones** to select a tone length.

Voice Privacy

Use *Enhanced voice privacy* to improve the security of your phone calls.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ ▧.
2. Touch **Call**.
3. Touch **Voice privacy** to enable the feature.

Blocking Mode

When Blocking mode is enabled, notifications for selected features are blocked, and you only receive the notifications you choose. You can choose to block notifications by feature or contact, and choose blocking all the time, or during a specific time period.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ ▧.
2. Touch **ON/OFF** next to Blocking mode to enable or disable the setting.
3. Touch ⊖ **Blocking mode** for options:
   • **Block incoming calls**: Notifications for incoming calls will not be displayed.
   • **Turn off notifications**: Notifications for new messages will not be displayed.
   • **Turn off alarm and timer**: Notifications for alarms and timers will not be displayed.
   • **Turn off LED indicator**: The LED indicator will not light up.
4. Set a time period for Blocking mode:
   • **Always**: Block notifications at all times.

• To set a specific time period to block notifications each day, disable the Always option, and then set a starting time (**From** field) and ending time (**To** field).

5. Set up Allowed contacts (contacts whose notifications will not be blocked):

   • Touch **Allowed contacts**, and then choose an option:
     – **None**: Block notifications from all contacts.
     – **All contacts**: Allow notifications from any contact.
     – **Favorites**: Only allow notifications from contacts tagged as favorites.
     – **Custom**: Allow notifications from contacts you specify. Create a list of allowed contacts by touching ➕ **Add** and selecting contacts.

   • Touch **Allowed contacts list** to view your custom list of allowed contacts.

Hands-Free Mode

Read alarm and scheduled alarm information aloud.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🗔 **My device**.

2. Touch **ON/OFF** next to Hands-free mode to enable or disable the setting.

3. Touch ◉ **Hands-free mode** for options:

   • **Incoming call**: Read out callers' information when receiving incoming calls.

   • **Message**: Read out senders' information when new messages arrive.

   • **Alarm**: Read out alarm information when alarms sound.

   • **Calendar event info**: Read out scheduled alarm information when alarms sound.

Power Saving Mode

Configure Power saving mode settings to conserve battery power.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🖳 **My device**.

2. Touch **ON/OFF** next to Power saving mode to enable or disable the setting.

3. Touch 🔋 **Power saving mode** for options:
   • **CPU power saving**: Limit the maximum performance of the CPU (Central Processing Unit). This does not affect normal usage, such as browsing and video playback.
   • **Screen power saving**: Use low power level for the screen.

Note: Touch **Learn about power saving mode** for more information.

Accessories Settings

Configure your phone's behavior when it is connected to an optional dock (not included).

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🖳 **My device**.

2. Touch **Accessories** for options:
   • **Dock sound**: Play a sound when you insert and remove the phone from the dock.
   • **Audio output mode**: Play audio through the dock speakers when the phone is docked.
   • **Desk home screen display**: Display the desk home screen when the phone is docked.
   • **Automatic unlock**: Flip the S View cover open to unlock the screen when the secure lock is disabled and the phone is docked.

Accessibility Settings

Your phone offers features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to configure these features.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ ▣ **My device**.

2. Touch **Accessibility** for options:
   • **Auto rotate screen**: Enable automatic rotation of the screen when you rotate the phone.
   • **Screen timeout**: Set a period of time for the screen to remain lit-after which it will dim and lock.
   • **Lock automatically**: Lock the screen in 5 seconds after screen automatically turns off. (This option appears only when a screen lock is enabled.)
   • **Speak passwords**: Read aloud password information.
   • **Answering/ending calls**: Accept calls by pressing the Home Key or end calls by pressing the Power/Lock key.

• **Show shortcut**: Display a shortcut to Accessibility settings on the *Device options* menu. (The Device options menu displays when you press and hold the **Power/Lock** key.)

• **Manage accessibility**: Choose settings for exporting, updating, and sharing the accessibility settings as a file.

• **TalkBack**: Activate the TalkBack feature and configure options.

• **Font size**: Change the size of the fonts used on the screen.

• **Magnification gestures**: Control whether your phone recognizes gestures to pan, and zoom in or out.

• **Negative colors**: Reverse the display of onscreen colors from white text on a black background to black text on a white background.

• **Color adjustment**: Adjust the color of the screen if you are color blind or have difficulty reading the display because of the screen color. Touch **ON/OFF** to turn color adjustment on, then touch Color adjustment for options.

• **Accessibility shortcut**: Control whether your phone recognizes a gesture to quickly enable accessibility features.

• **Text-to-speech options**: Configure options for converting text to speech. For more information, see *"Text-To-Speech Options"* on page 146.

• **Sound balance**: Control the signal sent to the left and right when using earphones.

• **Mono audio**: Enable stereo audio to be compressed into a single mono audio stream for use with a single earphone.

• **Turn off all sounds**: Mute every sound made by the phone during touches, selections, notifications, etc.

• **Hearing aids**: Turn on hearing aid compatibility.

• **Flash notification**: Set the camera flash to blink when notifications occur.

• **Google subtitles (CC)**: Enable subtitles in Google apps.

• **Samsung subtitles (CC)**: Enable subtitles in Samsung apps.

• **Assistant menu**: Display a special menu to improve phone accessibility for users with reduced dexterity. Touch **ON/OFF**, and then touch **Assistant menu** for options.

 – **Dominant hand**: Display the Assistant menu on the left or right side of the screen.

 – **Edit**: Reorder or remove items on the Assistant menu.

• **Press and hold delay**: Select a time interval for using the Touch and hold gesture.

• **Interaction control**: Adjust how your phone interprets motions and screen touches. You can turn motions and screen timeout on or off. You can also block areas of the screen from touch interaction, turn Auto rotate and hard key functions (Power/Lock Key, Volume Key, etc.) off, and display app notifications only on the Notification panel and Status bar. Touch **ON/OFF**, and then touch **Interactive control** for options.

Language and Input

Use Language and input settings to choose a default language for your phone's operations, plus settings for text entry and other inputs.

Default Language

Choose the default language for operating your phone.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲 .
2. Touch **Language and input** ➔ **Language** to select a default language.

Default Input Method

Select default input method you will use when accessing the keyboard.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲 .
2. Touch **Language and input** ➔ **Default** to select Samsung keyboard or Swype.

Samsung Keyboard

The Samsung Keyboard is an onscreen QWERTY keyboard, so you can enter text by "typing" on the keyboard. Samsung keyboard is enabled by default.

For more information, see *"Using Samsung Keyboard"* on page 29.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲 .
2. Touch **Language and input.**
3. **Samsung keyboard** is enabled by default. Touch ⚙ to configure options:

   #### Input languages
   • **English(US)**: Change the keyboard layout.
   • **Select input languages**: Select languages for text input.

   #### Smart typing
   • **Predictive text**: Touch **ON/OFF** to enable predictive text. Predictive text suggests words matching your text entries, and optionally, complete common words automatically. Touch **Predictive text** to configure options:

– **- Live Language Update**: Automatically update with popular new words everyday

– **Personalised data**: When enabled, predictive text uses personal language data you have entered to make better predictions. Samsung keyboard can collect all the text you enter, including personal data and credit card numbers, in order to give better prediction results.

– **Learn from Facebook**: Log into Facebook to allow your phone to learn from your Facebook postings.

– **Learn from Gmail**: Log into Gmail to allow your phone to learn from your Gmail email.

– **Learn from Twitter**: Log into Twitter to allow your phone to learn from your Twitter postings.

– **Learn from Messages**: Allow your phone to learn from your text and multimedia messages.

– **Learn from Contacts**: Allow your phone to learn from your Contacts entries.

– **Clear server data**: Clear unknown collected data.

– **Clear personalised data**: Clear all personalised language data collected to learn your writing style.

– **Privacy Policy**: Personalisation services are provided by a third party service provider. The service provider's policy is applied.

• **Auto Replacement**: Complete or replace the word you are typing with the most probable word when you tap the space bar or punctuation mark.

• **Auto capitalization**: Automatically capitalize words in your text based on common usage, such as at the beginning of sentences.

• **Auto spacing**: Automatically inserts spaces between words.

• **Auto punctuate**: Automatically enter a period and space to end a sentence when you touch the space bar twice.

Keyboard swipe

• **None**: Disable keyboard swipe.

• **Continuous input**: Enter text by sliding your finger across the keys on the keyboard.

• **Cursor control**: Slide your finger across the keyboard to move the cursor to begin entering text.

Key-tap feedback
• **Sound**: Play a sound when a key is touched.
• **Character preview**: Display the character in a bubble when you touch it on the keyboard.

More settings
• **Help**: Learn about Samsung Keyboard.
• **Reset setting**: Return settings to the defaults.

Swype

Swype lets you enter text by sliding your finger between letters to spell out a word. For each word, place your finger on the first letter and slide to the subsequent letters, lifting on the last letter.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ 🔲.
2. Touch **Language and input.**
3. Swype is enabled by default. Touch ⚙ to configure:
   • **Settings**: Set Swype options:
     – **Sound on keypress**: Play sounds for your key touches.
     – **Pop-up on keypress**: Characters display above keys as you enter text.

– **Long-press delay**: Set the time needed to select alternative characters.
– **Show complete trace**: Display the trace of each word until you start the next word.
– **Auto-capitalization**: Automatically capitalize the first word of sentences.
– **Auto-spacing**: Automatically insert spaces between words as you complete them.
– **Next word prediction**: Let Swype predict the next word based on the previous word.
– **Show Voice key**: Display a voice entry button on the keyboard.
• **My Words**: View and manage words in your Swype dictionary, used for word completion, suggestions, and spell checking.
• **Languages**: Choose the current language for Swype, and download additional languages.
• **Gestures**: Learn about shortcuts you can use on the keyboard to quickly accomplish common tasks.
• **Help**: Learn about using Swype.
• **Updates**: Check for updates to Swype.

Google Voice Typing Settings

Google voice typing allows you to speak your entries. When you enable Google voice typing, it's available for use when you touch a field to enter text.

For more information, see *"Using Google Voice Typing"* on page 32.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ .
2. Touch **Language and input.**
3. Touch the **Google voice typing** check box to enable it.
4. Touch ⚙ beside **Google voice typing** for options:
   • **Choose input languages**: Select languages for Google voice typing. Select **Automatic** to use the Default language exclusively, or choose other language(s).
   • **Block offensive words**: Hide words many people find offensive are in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).

• **Download offline speech recognition**: Download and install speech recognition engines, to allow you to use voice input while not connected to the network, such as during Airplane mode.

Voice Search Settings

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ .
2. Touch **Language and input** ➔ **Voice search** for options:
   • **Language**: Choose a language for voice searching.
   • **"Ok Google" hotword detection**: Launch a voice search by saying the word "Ok Google."
   • **Speech output**: Set whether search results use speech output Always, Informative only, or Hands-free mode only.
   • **Block offensive words**: Hide words many people find offensive from the results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
   • **Offline speech recognition**: Install a language module for offline speech recognition.

• **Personalized recognition**: Allow your phone to improve recognition based on your speech. (This option is only available when you are signed in to a Google Account.)

• **Bluetooth headset**: Record audio through an optional Bluetooth headset (not included).

Text-To-Speech Options

Text-to-speech (TTS) provides audible readout of text, such as the contents of text messages.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 📱.

2. Touch **Language and input** ➔ **Text-to-speech options** for options:

   • **Preferred TTS engine**

     – Select **Samsung text-to-speech engine** or **Google Text-to-speech Engine** as your default TTS engine. Touch ⚙ to configure.

• **General**

  – **Speech rate**: Choose a speed at which the text is spoken.

  – **Listen to an example**: Play a sample of speech synthesis.

Mouse/Trackpad

Set the pointer speed for an externally connected mouse or trackpad (not included).

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 📱.

2. Touch **Language and input** ➔ **Pointer speed**.

3. Touch and drag along the scale to set the speed.

Motions and Gestures

Use Motions and gestures settings to control your device using motions and hand gestures.

Motion

Control your phone with natural hand movements, such as putting the phone to your ear to call a displayed contact.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 📇.

2. Touch **Motions and gestures** ➔ **Motion**, and then touch **ON/OFF** to enable each feature:
   • **Direct call**: Lift the phone to your ear while viewing a contact to call the contact.
   • **Smart alert**: Lift the phone to receive notifications of missed calls and notifications that occurred while the phone was stationary.
   • **Zoom**: Tilt the phone to zoom in or out when viewing pictures in Gallery.
   • **Move an icon**: Move the phone left or right while touching an icon to reposition it to another page.

   • **Browse an image**: Move the phone in a side-to-side motion to pan from side to side while viewing an image.
   • **Mute/pause**: Mute incoming calls and pause playback by turning the phone screen-side down.

Palm Motion

Control the phone by touching the screen with the palm of your hand.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 📇.

2. Touch **Motions and gestures** ➔ **Palm motion**, and then touch **ON/OFF** to enable the feature:
   • **Mute/pause**: Mute incoming calls and pause playback by covering the screen with your hand.

Smart Screen

Smart screen features use the front camera to detect when you are facing the screen. Some factors that may affect the ability of the front camera to detect your face are:

• When the phone is not docked or held upright, for example when placed on a table.

• When the front camera cannot detect your face and eyes.

• When the front camera is being used for the current application.

• When the source of light is behind you, or when using the phone in the dark.

Smart stay allows your phone to automatically adjust the screen timeout when it detects you are looking at the screen.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲 .

2. Touch **Smart screen** ➔ **Smart stay** to enable the feature.

Tip: Touch ▤ **Menu** ➔ **Help** to learn more about Smart screen.

Voice Control

Use voice commands to control functions of your phone.

Note: If you set the alert type for calls or notifications to vibrate, voice command is not available.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔲 .

2. Touch **ON/OFF** next to Voice control to enable/disable the feature.

3. Touch **Voice control** for options:

   • **Incoming calls**: Answer or reject calls with the voice commands "Answer" and "Reject." When you answer a call with the voice command, the speaker will automatically be turned on for hands-free talking.

   • **Alarm**: Stop or snooze alarms with the voice commands "Stop" and "Snooze."

   • **Camera**: Take pictures with the voice commands "Smile", "Cheese", "Capture", and "Shoot."

   • **Music**: Control the Music app with the voice commands "Next", "Previous", "Pause", "Play,", "Volume Up", and "Volume Down."

Add an Account

Add an account to your phone to share information between your phone and the account.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔧.
2. Touch **Add account** and select an account type. Follow the prompts to enter your credentials and set up the account on your device.

For more information about managing applications, see *"Accounts"* on page 35.

Backup and Reset

Back up application data, Wi-Fi passwords, and other settings to Google servers.

Backup Your Data

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔧.
2. Touch **Backup and reset** ➔ **Back up my data** to enable automatic back up of your data to a Google Account.

3. Touch **Backup account** to set up a Google Account for backups. You can create a new Google Account, or sign in to an existing account.
4. Touch **Automatic restore** to restore an app's settings and other information from the backup (if available) when you reinstall that app.

Factory Data Reset

Reset all settings to the factory defaults, and permanently delete all data from the phone.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ 🔧.
2. Touch **Backup and reset** ➔ **Factory data reset** ➔ **Reset device**, and follow the prompts.

Location Services

These settings allow you to configure how the phone determines its location.

Note: Some apps may require one or more location services be turned on for full functionality.

GPS signals may be affected by your surroundings, including:

• Buildings

• Tunnels or underground structures

• Weather conditions

• High-voltage or electromagnetic fields

• Tinted windows

Note: E911 location service is standard on all mobile phones, to allow sharing of GPS information with emergency personnel when you make a call to emergency services, such as 911.

1. From the Home screen, touch ▦ **Apps** ➔ ◎ **Settings** ➔ 🖵 .

2. Touch **Location** for options:

• Touch **Mode** to set the accuracy of your location.

 – **High accuracy**: Uses GPS, Wi-Fi and mobile networks to estimate your location.

 – **Power saving**: Uses Wi-Fi and mobile networks to estimate your location.

 – **GPS only:** Uses GPS only to estimate your location.

• **Google Location Reporting**: When enabled, you are allowing Google's location service to collect anonymous location data. Some data may be stored on your phone, and collection may occur even when no apps are running.

• **My places**: Save your favorite locations for use with services that require location information.

 – Touch **Home**, **Office**, or **Car**, and follow the prompts to configure options for identifying the location.

 – Tap ➕ to set up a different location.

Security Settings

Configure options for securing information on your phone.

Encryption

You can encrypt accounts, settings, downloaded apps and their data, media, and other files. After encryption, you must enter the PIN or password you set each time you turn on your phone. You can also encrypt information stored on an optional installed memory card (not included).

Encryption may take an hour or more to complete. Start with a charged battery, and keep the phone on the charger until encryption is complete. Interrupting the encryption process may result in the loss of some or all data.

1. From the Home screen, touch ▦ **Apps** ➔ ◉ **Settings** ➔ 💬.
2. Touch **Security**, and then touch an option:
   • **Encrypt device**: Touch **Set screen lock type** to start, and then follow the prompts to encrypt information.
   • **Encrypt external SD card**: Touch **Set screen lock type** to start, and then follow the prompts to encrypt information.

SIM Card Lock Settings

Protect your SIM card by requiring a PIN to access it.

1. From the Home screen, touch ▦ **Apps** ➔ ◉ **Settings** ➔ 💬.
2. Touch **Security**.
3. Touch **Set up SIM card lock** for options:
   • **Lock SIM card**: Enter a SIM card PIN, and then touch the check box to enable the lock.
   • **Change SIM PIN**: Change or remove the PIN lock.

Make Passwords Visible

When enabled, password characters display briefly as you enter them.

1. From the Home screen, touch ▦ **Apps** ➔ ◉ **Settings** ➔ 💬.
2. Touch **Security** ➔ **Make passwords visible** to turn the option on.

Device Administration

Some applications, such as Corporate email, may require you allow access to your phone by device administrators in certain circumstances, such as if your phone is lost or stolen.

Some features a device administrator might control include:

- 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.

Device Administrators

View, add or remove device administrators.

1. From the Home screen, touch ⬛ **Apps** ➔
   ⚙ **Settings** ➔ ⬛.
2. Touch **Security** ➔ **Device administrators**, and then touch the agent(s) to use.

Unknown Sources

Allow applications from sources other than the Google Play Store to be installed on the phone.

1. From the Home screen, touch ⬛ **Apps** ➔
   ⚙ **Settings** ➔ ⬛.
2. Touch **Security** ➔ **Unknown sources** to turn the option on.

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

Verify Apps

Block or display a warning before installing apps that might cause harm to the phone.

1. From the Home screen, touch ⬛ **Apps** ➔
   ⚙ **Settings** ➔ ⬛.
2. Touch **Security** ➔ **Verify apps** to turn the option on.

Security Update Service

Update the security policy on your phone to increase protection.

1. From the Home screen, touch ▦ **Apps** ➔
    ⚙ **Settings** ➔ 🔲 ➔ **Security** for options:
    • **Security Policy Updates** options:
      – Automatic updates: Updates the security policy when connected to preferred networks.
      – Preferred networks: Choose your preferred network type.
      – Check for updates: Manually check for security policy updates.
    • **Send security reports**: Sends security reports to Samsung via Wi-Fi for threat analysis.

Credential Storage

You can install credentials from an optional installed memory card (not included), and use the Credential storage settings to allow applications to access the security certificates and other credentials.

1. From the Home screen, touch ▦ **Apps** ➔
    ⚙ **Settings** ➔ 🔲.
2. Touch **Security**.
3. Touch **Storage type** to choose where credentials are stored.
4. Touch **Trusted credentials** to view installed certificates.
5. Touch **Install from device storage** and choose a certificate and follow the prompts to install.
6. Touch **Clear credentials** and follow the prompts to clear stored credentials and reset the password.

Application Manager

You can download and install applications from the Google Play Store or Samsung Apps, or create applications using the Android SDK and install them on your phone. Use Application manager to manage applications on your phone.

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

---

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ [▪︎ More].
2. Touch **Application manager**.
3. Touch **DOWNLOADED**, **SD CARD**, **RUNNING**, or **ALL** to view the status of applications and services. Touch an app or service for more information and for options, such as stopping or uninstalling.

Battery

View what is using battery power.

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ [▪︎ More].
2. Touch **Battery** to view battery usage for apps and services. Touch an item for more information, or to configure options for managing power use.

Storage

Manage the use of memory resources in your phone's memory and on an optional memory card (not included).

1. From the Home screen, touch ▦ **Apps** ➔ ⚙ **Settings** ➔ [▪︎ More].
2. Touch **Storage** to view information about memory usage and options:
   • **Device memory**: View memory usage for the different types of information stored on your phone's memory. Touch an item for more information.
   • **SD card**: View total space and available space on an optional memory card (not included).

SD Card

Your device supports optional microSD or microSDHC memory cards of up to 64GB capacity (not included), for storage of music, pictures, and other files.

Install a Memory Card

For information on installing a memory card, see *"Install a Memory Card"* on page 8.

Remove a Memory Card

Important! To prevent damage to data stored on the memory card, always unmount the card before removing it from the phone.

1. From the Home screen, touch ▦ **Apps →** ◉ **Settings →** ▣ **More**.
2. Touch **Storage → Unmount SD card**.
3. At the prompt, read the warning and select **OK** to continue. Wait for **SD card safe to remove** to appear in the Status bar.
4. Remove the back cover, then remove the battery.
5. Slide the memory card out from its slot.
6. Replace the battery and back cover.

Format a Memory Card

Use the Format SD card setting to remove all data from an installed memory card.

Important! Data cannot be recovered after formatting.

1. From the Home screen, touch ▦ **Apps →** ◉ **Settings →** ▣ **More**.
2. Touch **Storage → Format SD card**, then follow the prompts to confirm the deletion of data from the card.

Date and Time

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

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ .
2. Touch **Date and time**.
3. Touch a setting to configure:
   • **Automatic date and time**: When enabled, the phone takes date and time updates from the wireless network.
   • **Set date**: Enter the current date (only available when Automatic date and time is disabled).
   • **Set time**: Enter the current time (only available when the Automatic setting is disabled).
   • **Automatic time zone**: When enabled, the phone takes the time zone from the wireless network.
   • **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).
   • **Use 24-hour format**: Set the format for time displays.
   • **Select date format**: Set the format for date displays.

About Device

View information about your phone, including status, legal information, hardware and software versions, and a tutorial.

1. From the Home screen, touch ▦ **Apps** ➔
   ⚙ **Settings** ➔ .
2. Touch **About device**.
3. Touch a setting to view details:
   • **Software update**: Check for available updates.
   • **Status**: View your phone's current status.
   • **Legal information**: View open source licenses and Google legal information.
   • **Device name**: View your phone's name. Touch to change the phone's name.
   • **Model number**: View your phone's model number.
   • **Android version**: View the firmware version.
   • **Baseband version**: View the baseband version.
   • **Kernel version**: View the kernel version.
   • **Build number**: View the build number.
   • **SE for Android status**: View the SE for Android status.
   • **Secure boot status**: View the secure boot status.
   • **Hardware version**: View the hardware version of your phone.

Index

W

Wallpaper
using photos 82
WatchON 117
Widgets
adding and removing 26
Wi-Fi 85
adding a connection manually 86
scanning and connecting 85
settings 86
turning on or off 85
Wi-Fi Direct 87, 119
connecting to devices 88
turning off 87
turning on 87
Wireless Networking
Bluetooth 88
NFC (Near Field
Communication) 95
Tethering and Mobile Hotspot 92
VPN 95
Wi-Fi 85
World Clock 20

Y

YouTube 117