User Manual

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

Disclaimer of Warranties; Exclusion of Liability

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED ON THE WARRANTY PAGE ENCLOSED WITH THE PRODUCT, THE PURCHASER TAKES THE PRODUCT "AS IS", AND SAMSUNG MAKES NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE; THE DESIGN, CONDITION OR QUALITY OF THE PRODUCT; THE PERFORMANCE OF THE PRODUCT; THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO. NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS.

Modification of Software

SAMSUNG IS NOT LIABLE FOR PERFORMANCE ISSUES OR INCOMPATIBILITIES CAUSED BY YOUR EDITING OF REGISTRY SETTINGS, OR YOUR MODIFICATION OF OPERATING SYSTEM SOFTWARE.

USING CUSTOM OPERATING SYSTEM SOFTWARE MAY CAUSE YOUR DEVICE AND APPLICATIONS TO WORK IMPROPERLY. YOUR CARRIER MAY NOT PERMIT USERS TO DOWNLOAD CERTAIN SOFTWARE, SUCH AS CUSTOM OS.
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]
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:
- 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:
# Table of Contents

## Section 1: Getting Started .......................... 5
- Understanding This User Manual ................. 5
- Setting Up Your Phone ........................... 6
- Securing Your Device .............................. 11

## Section 2: Understanding Your Phone ..... 13
- Front View ........................................ 14
- Side Views ......................................... 14
- Top and Bottom Views ............................ 15
- Rear View .......................................... 15
- Home Screen ....................................... 16
- Navigation ........................................... 22
- Customizing Your Home Screen .................. 26
- Smart Stay .......................................... 28
- Screen Capture ..................................... 28
- Entering Text ....................................... 29

## Section 3: Contacts and Accounts .......... 35
- Accounts ............................................ 35
- Contacts ............................................ 36
- Using Contacts ..................................... 39
- Linking Contacts ................................. 39
- Contacts Options ................................. 41
- Groups ............................................. 43
- Favorites .......................................... 45
- Managing Contacts ............................... 46
- Speed Dials ....................................... 47

## Section 4: Call Functions ........................... 49
- Displaying Your Phone Number .................. 49
- Phone ............................................... 49
- Making Calls ...................................... 49
- Making Emergency Calls .......................... 52
- Making a Call Using Speed Dial ................... 52
- Answering a Call .................................... 53
- Dialing Options .................................... 53
- Call Log ............................................ 54
- Call Duration ...................................... 55
- Options During a Call ............................. 56
- Call Settings ...................................... 59
Section 5: Messaging .................................. 60
  Types of Messages ................................. 60
  Messaging ........................................ 60
  Using Email ...................................... 66
  Gmail ............................................. 67
  Hangouts ........................................ 68
  Google+ ......................................... 68

Section 6: Multimedia .................................. 69
  Music Player ..................................... 69
  Google Play Music ............................... 72
  Camera ......................................... 72
  Gallery .......................................... 77
  Video Player .................................... 82
  Play Movies & TV ................................. 84

Section 7: Connections .................................. 85
  Wi-Fi ........................................... 85
  Wi-Fi Direct .................................... 87
  Bluetooth ...................................... 88
  Tethering and Mobile Hotspot ............... 92
  VPN ............................................ 95
  NFC and Beaming ............................... 95
  S Beam ......................................... 96
  Nearby Devices .................................. 97
  Screen Mirroring ................................. 98
  Connect to a Computer ......................... 98

Section 8: Applications .................................. 100
  Accessing Applications ......................... 100
  Managing Applications ......................... 100
  Calculator ...................................... 103
  Calendar ....................................... 103
  Camera ......................................... 104
  Chrome ........................................ 104
  Clock .......................................... 104
  Contacts ....................................... 104
  Downloads ..................................... 105
  Email ........................................... 105
  Flipboard ...................................... 105
  Gallery ........................................ 105
  Gmail .......................................... 105
  Google ........................................ 105
  Google Settings ................................. 106
  Google+ ........................................ 106
  Group Play ..................................... 106
  Hangouts ...................................... 106
Section 9: Settings ........................................... 118

Accessing Settings ........................................ 118
Settings Controls .......................................... 118
Settings Tabs ............................................... 118
Wi-Fi ......................................................... 119
Bluetooth .................................................. 119
Data Usage ................................................. 119
More Networks ............................................. 121
NFC ........................................................ 122
S Beam .................................................... 122
Nearby Devices .......................................... 122
Printing ..................................................... 122
Screen Mirroring ........................................... 122
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 ➔ 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 → My device → 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

- Proximity and Earpiece 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

14
Top and Bottom Views

- IR Blaster
- 3.5mm Headset Jack
- Microphone
- Charging/USB Port

Rear View

- Camera Lens
- Flash
- 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.

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.

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.
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.

![DIAGRAM OF HOME SCREEN PANELS]

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.

Call forwarding is set to Always forward.

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.

Battery charge level. Icon shown is fully charged.

Your battery is charging. Also displays battery charge level.

Low battery power.

Battery is critically low.

Your battery is empty.

Your phone is actively connected to a 3G network.

Your phone is actively connected to a 4G LTE network.

Your phone is downloading or has downloaded a file. It will blink green when it is installing.

An outbound file transfer is in progress.

A Play Store download has completed.

Updates are available for download.

The phone is connected to a computer with a supported USB cable connection.

The phone is tethered via a supported USB cable connection.

A new text or multimedia message is received.

A new voice mail is received.

Email has been received.

The time and date for a Calendar Event has arrived.

An alarm is set to ring at a specified time.

The Sound profile is set to Mute.

The Sound profile is set to Vibrate.

Bluetooth is activated.
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 123 and then touch the desired key.
• To enter less-common symbols, touch 123 ➔ 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.)

• 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 +1=, 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 +1= 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 +1=.

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 ➔ Accounts

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.

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 ➔ Contacts.
  - or –
  From a Home screen, touch Phone ➔ Contacts.

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 ➔ 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 ➔ 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 ➔ 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 ➔ 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 ➔ 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 ➔ 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 ➔ 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 ➔ 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** ➔ 📞 **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 ➔ Groups.
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 ➔ Groups.
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.
**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.
Deleting a Group

1. From a Home screen, touch Apps ➔ Contacts ➔ Groups.
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 gold star.

To view your Favorites list:
- From a Home screen, touch Apps ➔ Contacts ➔ Favorites.

Adding Favorites

1. From a Home screen, touch Apps ➔ Contacts ➔ Favorites.
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 ➔ Favorites.
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 ➔ 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 ➔ 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 ◔ MenuItem 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.
4. Touch(MenuItem ➔ 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 is 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 Merge.
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 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 .

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.
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 ➔ Menu ➔ Refresh.

**Gmail Settings**

Use settings to configure your Gmail preferences.

1. From a Home screen, touch Apps ➔ Gmail.
2. Touch Menu ➔ Settings for options.

**Composing and Sending Gmail**

1. From a Home screen, touch Apps ➔ Gmail.
2. Touch , then touch fields to compose the message.
   While composing, touch Menu for options.
3. Touch 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 ➔ 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 ➔ 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.
- 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.

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.

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

View picture in Gallery

Apply effects

Capture picture

Use video camera

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.

![Camera interface diagram]

**Elapsed Time**  **Stop**  **FileSize**  **Pause**

**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 **Capture** to take a picture while continuing recording.
   - Touch **Pause** to temporarily stop recording.
   - Touch **Start** to begin recording again.
   - Touch **Stop** to stop recording.

**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 through 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 photos 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 ℹ️ 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.

   - **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.

   - **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.
– **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 succession.
• **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 area 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.
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 of the 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 \( \text{Enter} \) 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 \( \text{Apps} \rightarrow \text{Gallery}. \)
2. Touch an album to display preview. Touch \( \text{Menu} \rightarrow \text{Select item}, \) and then touch previews to mark them for sharing.
3. Touch \( \text{Share via} \) 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 \( \text{Apps} \rightarrow \text{Gallery}. \)
2. Touch a category, and then touch a picture to select it.
3. Touch \( \text{Menu} \rightarrow \text{Set as} \rightarrow \text{Contact photo}. \)
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 ON/OFF to turn Wi-Fi on.
3. Touch Wi-Fi.
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 ➔ Connections.
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 ➔ Connections.
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).
     - **Install 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 ➔ Connections.
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 ➔ Connections.
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 ➔ Connections.
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 ➔ Connections.
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 ➔ Connections.

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 ➔ Connections.
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 ➔ Connections.
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 ➔ Connections.
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 ➔ Bluetooth.
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.

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 ➔ Tethering and Mobile hotspot.

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 ➔ Connections.

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 ➔ Connections.
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 ➔ Connections.
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 ➔ Connections.
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 ➔ Connections.
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 ➔ Android Beam

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 ➔ Connections

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.

Configure File Sharing

1. From the Home screen, touch Apps ➔ Settings ➔ Connections.
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).

Turn File Sharing On or Off

1. From the Home screen, touch Apps ➔ Settings ➔ Connections.
2. Touch Nearby devices and touch ON/OFF to turn sharing on.
**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 ➔ Connections.
3. Touch Screen Mirroring. Your phone will scan for available devices.
4. Touch a device, and 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](http://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.

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

1. Touch Apps ➔ Help.
2. Select a category to view tips.
   • To sort categories by an alphabetical order, touch Sort.
   • To search for keywords, touch 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.

**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.

**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.
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 Memo.

Creating a New Memo

1. Touch Apps ➔ S Memo.
2. Touch an existing Memo to open it then touch the screen to enter edit mode.
   - or –
   Touch 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.
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 `메모` 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 뭇 Apps → 📠 TripAdvisor.

**Video Player**

The Video application plays video files stored on your memory card.

- Touch 뭇 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 뭇 Apps → 🎤 Voice Recorder.

**Voice Search**

Use voice commands to search the web with Google.

- Touch 뭇 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 뭇 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 ➔ Connections.
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.

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.

- 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.
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 ➔ 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.

   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 ➔ 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.

   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 ➔ 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.

   Note: You can also set Airplane mode from the Device options menu. Press and hold the Power/Lock Key, then touch Airplane 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 ➔ My device.
2. Touch Lock Screen for options.

**Screen Lock**
1. From the Home screen, touch Apps ➔ Settings ➔ My device.
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 ➔ Display.
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 ➔ Display.
2. Touch Auto rotate screen to enable or disable the feature.

**Screen Timeout**
1. From the Home screen, touch Apps ➔ Settings ➔ 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 ➔ 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 ➔ 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 → 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 → 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 → 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 → 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 → 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 ➔ My device ➔ 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 ➔ My device ➔ 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 ➔ My device ➔ Display.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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.
• **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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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.

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 ➔ My device ➔ Call ➔ 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 ➔ My device ➔ Call ➔ 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 ➔ My device ➔ ON/OFF next to Blocking mode to enable or disable the setting.

2. 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.

3. 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 ➔ 📞.

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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 ➔ My device.
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 → 🛒 My device.
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 ➔ My device ➔ 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 ➔ My device ➔ 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 ➔ My device ➔.

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 ➔ Accounts.
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 ➔ Accounts.
2. Touch Backup and reset ➔ Factory data reset ➔ Reset device, and follow the prompts.

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 ➔ Backup and reset ➔ Back up my data to enable automatic back up of your data to a Google Account.
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 ➔ More.
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 ➔ More.
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 ➔ More.
2. Touch Security ➔ Make passwords visible to turn the option on.
**Device Administration**

Some applications, such as Corporate email, may require you to 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 ➔ .
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 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

A

Accessibility 140

Accessing Applications 100

Accessory 139

Accounts
adding a Google account 35
setting up 35

Adapt Sound 131

Airplane Mode 121

Android Beam 96, 122

Answering/Ending Calls 133

Application Manager 154

Apps
Application Manager 154
disabling 101
installing 100
security settings 152
uninstalling 101

Assistant Menu
settings 141

Auto Adjust Screen Tone 127
Auto Retry 136
Auto-Rotate Screen 126

Back Cover
remove 6

Backup and Reset 149

Battery
charging 10
indicator 10
installing 8
power saving mode 139
remove back cover 6
settings 154
show battery percentage 127

Blocking Mode 137

Bluetooth 88, 119
disconnect or unpair 90
reconnect 90
settings 91
tethering 94
turning on or off 88

Brightness
screen setting 125

Browser 107

Calculator 103

Calendar 103

Call Accessories 134

Call Alerts 133

Call Functions 49
call back missed call 54
Call Duration 55
Call Log 54
correcting the number 50
international call 50
making a call from Contacts 50
manual pause dialing 50
saving a recent call number to Contacts 54
searching for a number in Contacts 59

Call Rejection 132
Call Sound
personalize 57

Calls
Adapt Sound settings 131
adding more volume 56
adjusting volume 56
answering 53
dialing a recent number 51
ending 50
from Favorites 51
keypad tone 129
making 49
options during 56
settings 131
three-way 58
using the speakerphone 58
voice privacy 137

Camcorder
recording videos 73

Camera 104
advanced settings 76
Gallery 77
options 74
Quick settings 75

Chrome 104

Clock 104

Commercial Mobile Alerting System (CMAS) 65

Computer
connect to 98

Contacts 104
accessing 36
creating 36
creating contact photos
Contacts 81
deleting contact entries 46
dialing a number 39
favorites 45
Group settings 43
importing and exporting 46
linking 39
managing 46
My Profile 38
namecards 47
options 41
speed dials 47
updating from Call log 37
using 39
using pictures as contact photos 81

Creating a Playlist 70

Customizing the Apps Screens 102

Date
settings 156

Daydream Setting 126

Device Administration 152

Dialing Options 53

Display
auto adjust screen tone 127
auto-rotate screen 126
brightness 125
Daydream 126
edit screen capture 127
font size 127
font style 126
Home Screen Mode 131
LED indicator 128
Screen Mode 125
Screen Timeout 126
settings 125
show battery percentage 127
touch key light duration 127

Displaying Your Phone Number 49

Docking
settings 139

Downloads 105

DTMF Tones 137

Editing Text 31

Email 66, 105
creating additional accounts 66
switching between accounts 66

Emergency Alerts (CMAS) 65

Emergency Calls 52
making 52

Emergency Tone 130

Encryption 151

Entering Text 29

Extra Volume 56

F

Favorites 45

File Sharing 97

Files
sharing via computer 98
sharing with nearby devices 97

Flipboard 105

Folders
adding 27
adding to Home screen 27
using 27

G

Gallery 77
editing photos 80
sharing photos and video 81
viewing photos and videos 78
zooming 80

Gestures
settings 147

Getting Started 5
setting up your phone 6

Gmail 67, 105
composing and sending 68
configuring your account 67
managing your account 68
refreshing your account 68

Google 105
Gmail 67
managing an account 35
setting up an account 35

Google Chrome 104

Google Maps 108

Google Play Music 72

Google Settings 106

Google Voice Typing 32
settings 145

Google+ 106

GPS (Location) 150

Group
adding a contact 43
editing 44
removing a contact 44
sending a message 44

Group Settings
editing a contact group 44
H

Hands-Free Mode 138
Hangouts 68, 106
Hearing Aids 136
Help 107
Home Screen 16
  customize 26
  extended home screen 16
  folders 27
  Notification Panel 20
  panels 17
  shortcuts and widgets 26
  wallpaper 27
Home Screen Mode 131
Hotspot 92

I

Icons
  Status Bar 17
In-Call Options 56
Increase Volume in Pocket 135
International Call 50
Internet (App) 107

K

Keypad Tone 129
Keys
  touch tones 130
Language and Input Settings 142
LED Indicator 128
Legal Information 156
Linking Contacts 39
Location Services 150
Lock Screen
  Screen lock 122
Managing Applications 100
Maps 108
Memory
  view 154
Memory Card
  format 155
  installing 8, 155
  removing 155
  settings 155

Message
  thread options 63
Message Search 64
Messages
  creating and sending text
  messages 61
  deleting 64
  Gmail 67
  types of 60
Messaging 108
  signing into email 66
  translate text 62
Mobile Data Usage 120
Mobile Hotspot 92
  allowed devices 93
  connecting a device 93
  settings 94
  turn on hotspot 92
Mobile Networks 121
Motion 147
Motions
  settings 147
Mouse/Trackpad
  settings 146
Multimedia 69
Music 69
  Adapt Sound settings 131
Music App
  Music Application 110
Music Options 71
Music Player 69, 108
  adding music 70
  creating a playlist 70
  playlists 70
  removing music 70
  settings 71
Mute 56, 58
My Files 108
My Phone Number 49
My Profile 38
  sending 38

Namecards
  sending 47
Navigation 22
  touch gestures 23

Nearby Devices 97, 122
NFC (Near Field Communication) 95
  Android Beam 96
  S Beam 96
Noise Reduction 57, 135
Notification Panel 20, 125
  clear notifications 20
  Quick Settings 21
  world clock 20
Notification Sound 129

Palm Motion 147
Passwords
  make visible 151
Personal Localized Alerting Network (PLAN) 65
Personalize Call Sound 135
Phone 109
  about 156
  accessing 49
  Date and Time 156
  front view 14
  key tones 130
  keypad tone 129
  language 142
  name 156
  rear view 15
  reset 149
  ringtones 129
  side views 14
  software update 156
  status 156
  top and bottom views 15
  turn off and on 11
  vibrate when ringing 129
Photos 109
  editing 80
  Gallery 77
  red eye correction 81
  setting as wallpaper 82
  sharing 81
  taking pictures 73
  viewing 78
  zooming 80
Play Books 109
Play Games 109
Play Music 72
Play Newsstand 110
Play Store 110
Power Saving Mode 139
Printing 122
Quick Settings 21
Reject List 55
Reset Phone 149
Ringtones 129

S
S Beam 96
S Memo 111
  Creating a New Memo 111
S Translator 113
S Voice 113
Samsung Applications 130
Samsung Keyboard
  entering text 29
  settings 142
Samsung Link 115
Scientific Calculator 103
Screen Capture 28
  setting 127
Screen Lock 122
  Face and voice 123
  Face unlock 123
  None 124
  Password 124
  Pattern 124
  PIN 124
  sounds 130
  Swipe 123
Screen Mirroring 98
Screen Mode 125
Screen Timeout 126
Security
  certificates 153
  device administration 152
  encryption 151
  settings 151
Settings 115, 118
  accessing 118
  tabs 118
Setup Wizard 11
Shortcuts
  adding and removing 26
SIM Card
  installing 7
SIM Card Lock Settings 151
SIM Toolkit 115
Smart Screen
  settings 148
Smart Stay 28
  settings 148
Smart Switch 13
Sound
  ringtones 129
  settings 128
  volume settings 128
Sounds
  Adapt Sound 131
  emergency tone 130
  keypad tone 129
  notifications 129
  Screen Lock sounds 130
  touch sounds 130
  vibrate when ringing 129
  vibrations 129
Speakerphone Key 58
Speed Dials
assigning 47
removing or reassigning 48

Status
phone 156

Status Bar 17

Storage
settings 154

Story Album 115

Swype
settings 144
tips 34
using 33
using the numeric keyboard 33

Synchronizing Accounts 36

T

Tethering 92
Bluetooth 94
Tethering and Mobile Hotspot 121

Text
Samsung keyboard 29

Text Input
Google voice typing 29
methods 29

Text-To-Speech
options 146

Time
settings 156

Touch Screen
gestures 23

Touch Sounds 130

Translate 62

Translate Message Bubble 63

TripAdvisor 116

TTY Mode 136

U

Understanding Your Phone 13
front view 14
rear view 15
side views 14

Unmute 56

Updating Applications 101

Using Google Voice Typing 30

V

Vibrations 129
when ringing 129

Video
recording video 73

Video Player 116

Videos
Gallery 77
sharing 81
Video App 82
viewing 78

Voice Control
settings 148

Voice Recorder 116

Voice Search 116
settings 145

Voicemail
settings 136

Volume 128

VPN 95
VPN Client (App) 116

VPN Client 116
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