

# Samsung GALAXY **player** 5.0

## U s e r   M a n u a l

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

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# Table of Contents

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## Section 1: Getting Started .....4

Understanding This User Manual .....	4
Battery .....	5
Turning Your Device On and Off .....	6
Your Google Account .....	6
Using Google Maps .....	6
Task Manager .....	7
Memory Card .....	7
Galaxy Player 5.0 Accessories .....	8
Securing Your Device .....	8
Troubleshooting .....	9
Android System Recovery .....	10

## Section 2: Understanding Your Device .....11

Features .....	11
Front and Top Views .....	12
Side View .....	13
Back and Bottom Views .....	13
Home Screen .....	14
Navigating Your Device .....	16
Notification Panel .....	17
Status Bar .....	18
Primary Shortcuts .....	19
Widgets .....	19

Shortcuts .....	21
Folders .....	21
Wallpapers .....	22
Applications .....	23

## Section 3: Contacts and Accounts .....27

Accounts .....	27
Contacts .....	29
My Profile .....	32
Groups .....	33
Activities .....	35

## Section 4: Entering Text .....36

Virtual QWERTY Keyboard .....	36
Using the Samsung Keypad .....	36
Configuring the Keypad .....	36
Entering Upper and Lower Case Letters .....	37
Entering Symbols and Numbers .....	37
Using XT9 Predictive Text .....	37
Editing Text .....	38

## Section 5: Messaging .....39

Types of Messages .....	39
Gmail .....	39
Email .....	41
Google Talk .....	44

<b>Section 6: Web and Social Networking .....</b>	<b>46</b>
Internet .....	46
Maps .....	51
Latitude .....	52
Navigation .....	52
Places .....	53
Google Search .....	53
Voice Search .....	53
YouTube .....	54
<b>Section 7: Music .....</b>	<b>55</b>
Music Player .....	55
FM Radio .....	57
<b>Section 8: Photos and Videos .....</b>	<b>59</b>
Camera .....	59
Videos .....	63
Gallery .....	64
<b>Section 9: Connections .....</b>	<b>68</b>
Wi-Fi .....	68
Bluetooth .....	69
Samsung Kies .....	70
Memory Card .....	71
<b>Section 10: Applications and Widgets .....</b>	<b>73</b>
GPS Applications .....	73
Alarm/Clock .....	74
AllShare .....	76
Calculator .....	77

Calendar .....	77
Camera .....	79
Contacts .....	79
Dual Clock .....	79
Email .....	79
FM Radio .....	80
Gallery .....	80
Gmail .....	80
Google Search .....	80
Internet .....	80
Latitude .....	81
Maps .....	81
Market .....	81
Memo .....	82
Mini Diary .....	83
Music .....	84
My Files .....	84
Navigation .....	85
Places .....	85
Power Control .....	85
Qik Manual .....	86
Qik Video .....	86
Samsung Apps .....	87
Settings .....	87
Talk .....	87
Task Manager .....	87
ThinkFree Office .....	88

Videos .....	88
Voice Recorder .....	88
Voice Search .....	89
YouTube .....	89
<b>Section 11: Settings .....</b>	<b>90</b>
Accessing Settings .....	90
Wireless and Network .....	90
Sound Settings .....	94
Display Settings .....	95
Location and Security .....	96
Applications .....	99
Accounts and Sync .....	100
Privacy .....	101
SD Card and Device Storage .....	102
Locale and Text .....	103
Voice Input and Output .....	105
Accessibility .....	106
Date and Time .....	106
About Device .....	107

## **Section 12: Health and Safety Information ..... 108**

Exposure to Radio Frequency (RF) Signals .....	108
Specific Absorption Rate (SAR) Certification Information .....	112
Smart Practices While Driving .....	114
Battery Use and Safety .....	114
Display / Touch-Screen .....	116

## **Section 13: Warranty Information ..... 123**

Standard Limited Warranty .....	123
End User License Agreement for Software .....	126

## **Section 14: Samsung Product Registration ..... 131**

## Section 1: Getting Started

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This section helps you to quickly start using your device.

### Understanding This User Manual

The sections of this manual generally follow the features of your device. A robust index for features begins on page 132.

Also included is important safety information, beginning on page 108, that you should know before using your device.

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 8.

---

**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.

Unless stated otherwise, instructions in this user 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, press the **Menu Key**  → **Settings**  
→ **Wireless and network** → **Wi-Fi settings**.



## Battery

Your device is powered by a rechargeable, standard Li-Ion battery.

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**Note:** The battery comes partially charged. You must fully charge the battery before using your device for the first time.

After the first charge, you can use the device while charging.


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

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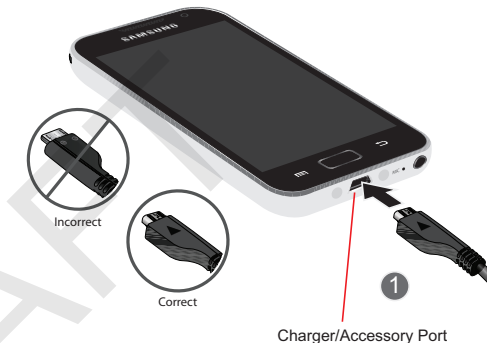
## Battery Indicator

The Battery icon  in the Status Bar shows the battery power level. When battery power is 15% or less, your device prompts you to charge the battery. If you continue to operate the device without charging, the device powers off.

## Charging the Battery

Use a Samsung-approved Travel Charger to charge your device from any standard AC power outlet.

1. Locate the Charger/Accessory Port on the bottom of the device.

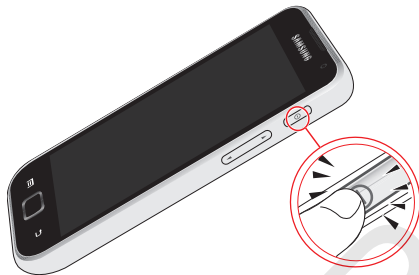


2. Plug the flat end of the Travel Charger into the Charger/Accessory Interface connector on the device (1) and the other end into a standard AC wall outlet.
3. When charging is finished, remove the flat end from the Charger/Accessory Interface connector on the device.

## Turning Your Device On and Off

### Turning Your Device On

- ▶ Press and hold the **Power/Lock Key** .



---

**Note:** Your device's internal antenna is located along the top back of the device. Do not block the antenna; doing so may affect signal quality and may cause the device to operate at a higher power level than is necessary.

---

### Turning Your Device Off

1. Press and hold the **Power/Lock Key** .
2. At the prompt, touch **Power off**.

## Your Google Account

Your new device uses your Google account to fully utilize its Android features, including Gmail, Maps, Navigation, Google Talk and the Android Market. When you turn on your device for the first time, set up a connection with your existing Google account or create a new Google account.

To create a Google account or set up your Google account on your device use **Accounts and sync** settings. For more information, refer to “*Accounts and Sync*” on page 100.

## Using Google Maps

In order to use some applications related to Google Maps, you must first connect Wi-Fi. For more information, refer to “*Wi-Fi Settings*” on page 90.

You must also enable location services to use Google Maps. Some features require Standalone or Google location services. For more information, refer to “*Location and Security*” on page 96.



## Task Manager

Your device can run applications simultaneously and some applications run in the background.

Use Task Manager to see which applications are running on your device and to end running applications to extend battery life. You can also uninstall applications from your device and see how much memory is used by applications.

Task Manager provides information about applications, including **Active applications**, **Downloaded**, **RAM**, and **Storage**.

To access the Task Manager:

1. From a Home screen, touch **Applications**   
→ **Task manager** .
2. Touch the **Active applications** tab to view applications running on your device. Touch **Exit** to end an application or **Exit all** to stop all running applications.
3. Touch the **Downloaded** tab to view applications installed from Android Market. Touch **Uninstall** to remove an application from your device.
4. Touch the **RAM** tab to display the amount of Random Access Memory (RAM) currently in use. Touch **Clear memory** to clear inactive and background processes.

5. Touch the **Storage** tab to view internal and external storage memory statistics.

---

**Tip:** To launch Task Manager from any screen, touch and hold the **Home Key** , then touch **Task Manager**.

You can also access Task Manager from the **Program Monitor** widget. For more information, refer to “*Widgets*” on page 19.

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## Memory Card

Your device supports removable microSD™ or microSDHC™ memory cards, for storage of music, photos, videos, and other files.

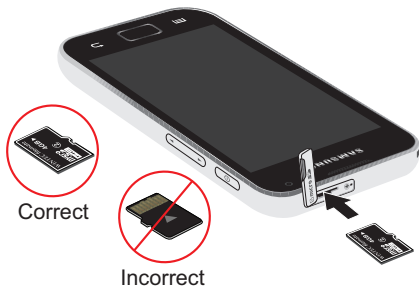
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**Note:** You can only store music files that you own (from a CD or purchased with the device) on a memory card.

---


### Installing a Memory Card

1. Open the Memory Card Slot cover and turn to expose the slot.
2. With the gold contacts facing down, carefully slide the memory card into the slot, pushing gently until it clicks into place.
3. Replace the Memory Card Slot cover.



### Removing a Memory Card

**Important!** To prevent damage to information stored on the memory card, unmount the card before removing it from the device.

1. From a Home screen, press the **Menu Key**  → **Settings** → **SD card and device storage** → **Unmount SD card**.
2. Open the Memory Card Slot cover and turn to expose the slot.
3. Gently press down on the memory card, so that it pops out from the slot, and carefully pull the card out.

4. Replace the Memory Slot cover.

### Galaxy Player 5.0 Accessories

The items supplied with your device may vary depending on the software and accessories available in your region or offered by your service provider.

- You can obtain additional accessories from your local Samsung dealer.
- The supplied accessories perform best for your device.
- Accessories other than the supplied ones may not be compatible with your device.

### Securing Your Device

By default, the device locks automatically when the screen times out or you can lock it manually. You can unlock the device using one of the default Unlock screens or, for increased security, use a personal screen unlock pattern.

For more information about creating and enabling a Screen unlock pattern, see “*Set Screen Lock*” on page 97.

For other settings related to securing your device, see “*Location and Security*” on page 96.

---

**Note:** Unless stated otherwise, instructions in this User Manual start with the device unlocked, at the Home screen.

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## Locking the device manually

- Press the **Power/Lock Key** .

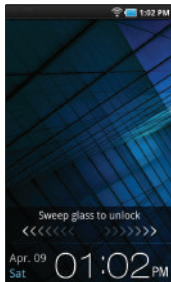
## Unlocking the device

1. Press the **Power/Lock Key** .

The locked screen displays

**Sweep glass to unlock.** The day, date, and time also display.

2. Touch and sweep across the screen, either to the left or right, as indicated on the screen.




---

**Note:** You can choose the type of Screen Unlock you want to use, either Pattern or Password. For more information, refer to “*Location and Security*” on page 96.

---

## Troubleshooting


If your device has fatal errors, hangs up, or freezes, you may need to close all programs or reset the device to regain functionality.

- If your device is still responsive, but a program is frozen, close the program using the Task Manager. For more information, refer to “*Task Manager*” on page 7.
- If your device is frozen and unresponsive, press and hold the **Power/Lock Key**  for 8 to 10 seconds.

## Android System Recovery



Android System Recovery is used for Google updates. The average user should never need to perform a system recovery.


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**Note:** If you entered this menu by mistake, use the Volume Up/Down key to select **reboot system now**, then press the **Home Key** . Your device then continues to boot up.

---

To enter the Android System Recovery mode, follow these steps:

1. With the device turned off, press the **Power/Lock Key**  and **Volume Up Key**  at the same time until the device switches on.
2. Once the SAMSUNG logo appears, release the Power/Lock key while continuing to press the Volume Up key.
3. Continue to press the Volume Up key for at least 8 seconds, until Recovery mode is launched and the Android System Recovery screen is displayed.

4. Release the Volume Up key.
5. The following options are available:
  - **reboot system now:** turns on your device.
  - **apply sdcard:update.zip:** allows you to apply updates to your device.
  - **wipe data/factory reset:** deletes all data from the device except captured pictures and videos. For more information, refer to “*Factory Data Reset*” on page 102.
  - **wipe cache partition:** allows you to delete all cache data such as log files.
  - **format internal sd-card:** allows you to reformat the internal microSD card.
- Use the Volume Up/Down key to scroll up or down, then use the **Home Key**  to make a selection.

## Section 2: Understanding Your Device

---

This section outlines key features of your device and describes the screen and the icons that appear when the device is in use. It also shows how to navigate through the device.

### Features

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

- Touch screen provides quick response to a variety of menus and options including applications and seven home screens
- Android OS, Android Market, plus pre-loaded applications
- Ready access to the Internet
- Built-in Bluetooth® 3.0 Wireless technology. For more information, refer to “*Bluetooth Settings*” on page 92.
- Built-in Wi-Fi technology (802.11 b/g/n)
- 5-inch 800x480 WVGA Super Clear LCD touch screen
- 3.2 Megapixel camera with flash and camcorder
- Messaging Features:
  - Gmail
  - Email (corporate and personal)
- Support for microSD™ and microSDHC™ Memory Cards, which are used for data storage and access
- Photo Gallery that supports JPEG, PNG, GIF, and BMP formats
- HD Video Player (720p) that supports H.263, H.264, MPEG4, 3GP, WMV (v9), Xvid, and DivX® formats
- DivX Certified® to play DivX® video up to 640x480, including premium content
- Music Player that supports WAV, MP3, AAC, AAC+, eAAC+, WMA (v9), and Ogg formats
- FM Radio that lets you listen to your local FM radio stations
- SoundAlive and stereo speakers

## Front and Top Views

The following items can be found on the front and top of your device as illustrated.

1. **Strap Hole:** Allows you to attach an optional strap.
2. **External Speaker:** Allows you to hear the caller.
3. **Memory Card Slot:** Open Memory Card Slot cover and turn to expose the slot to install a memory card for storage of files. For more information, refer to *"Installing a Memory Card"* on page 7.
4. **Front-facing Camera Lens:** Used when taking photos.
5. **Menu Key:** Press to display options for the current screen.
6. **Home Key:** Press to display the Home screen. Press and hold to display recent applications or to launch Task Manager.
7. **Back Key:** Press to return to the previous screen or option.

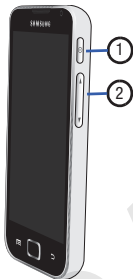




## Side View

The following items can be found on the side of your device.

1. **Power/Lock Key:** Press and hold to turn the device on or off. Press to lock the device or to wake the screen for unlocking.
2. **Volume Key:** From a Home screen, press to adjust Master Volume. During music playback, press to adjust volume.



## Back and Bottom Views

The following items can be found on the back and bottom of your device.

1. **External Speakers:** Used for music or video playback, notification tones, and for other sounds.

2. **Camera Lens:** Used to take photos or record videos.
3. **Camera Flash:** Used when taking photos.
4. **3.5mm Headset Jack:** Plug in for headphones, which also serve as an antenna. For more information, refer to “FM Radio” on page 57.

5. **Microphone:** Allows callers to hear you when you are speaking to them. Also used for voice recording.

6. **Charger/Accessory Port:** Allows you to connect a Travel Charger or other optional accessories such as a USB/data cable to sync music and files.



## Home Screen

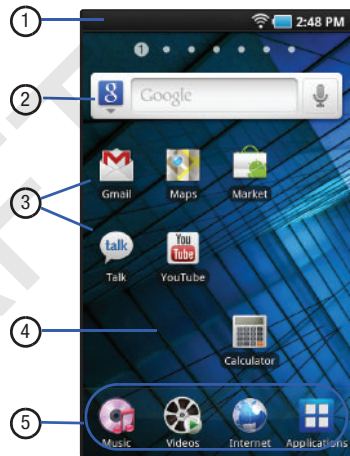
The Home screen is the starting point for using your device.

---

**Note:** Unless stated otherwise, instructions in this User Manual start with the device unlocked, at the Home screen.

---

1. **Status Bar:** Presents icons to show notifications, battery power, and connection details. For a list of icons, see “*Status Bar*” on page 18.
2. **Widgets:** Applications that run on the Home screen. These widgets are found on the Home screen by default. For more information, refer to “*Widgets*” on page 19.
3. **Shortcuts:** Shortcuts to common applications. These shortcuts are found on the Home screen by default. For more information, refer to “*Shortcuts*” on page 21.
4. **Home screen:** The starting point for using your device. Place shortcuts, widgets, and other items to customize your device to your needs.
5. **Primary Shortcuts:** Shortcuts to common features. For more information, refer to “*Primary Shortcuts*” on page 19.



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**Warning!** If your device has a touch screen display, note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to “*Warranty Information*” on page 123.

---

## Extended Home Screen

The Home screen consists of the Home panel, plus six 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 top of the display shows your current position.

## Customizing the Home Screen

To customize the Home screen to suit your preferences just navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu. Then touch one of the options:

- **Widgets:** For more information, refer to “*Widgets*” on page 19.
- **Shortcuts:** For more information, refer to “*Shortcuts*” on page 21.
- **Folders:** For more information, refer to “*Folders*” on page 21.
- **Wallpapers:** For more information, refer to “*Wallpapers*” on page 22.

## Display settings

You can customize display settings to your preferences. For more information, refer to “*Display Settings*” on page 95.


## Adding and removing Home screen panels

Your device comes with seven Home screen panels. You can customize the Home screen by removing or adding panels.

---

**Note:** The panel in the first position displays when you press the **Home Key** .

---

1. From a Home screen, press the **Menu Key**  → **Edit**.
2. Use these controls to configure panels:



**Remove:** Touch and drag a panel to the Trash Can to remove the panel from the Home screen.



**Add:** Touch to add a new panel, up to a total of seven. This option is available when less than seven panels have been added.

3. To rearrange the order of panels, touch and drag a panel to a new location.

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**Tip:** You can also display **Edit** options by pinching the Home screen.

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## Navigating Your Device

Use command keys and the touch screen to navigate.


### Command Keys

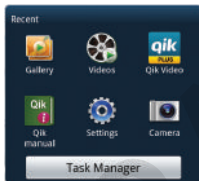
#### Menu Key

Press the **Menu Key**  to display options for the current screen or feature.


#### Home Key

Press the **Home Key**  to display the first Home screen.


Press and hold the **Home Key**  to launch a menu of recent applications or to launch Task Manager.



#### Back Key

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

### Google Search

Touch the **Google Search**  widget to search the web and your device. The Google Search widget is found on the Home panel by default. For more information, refer to “Google Search” on page 53.

### Context-sensitive Menus

Context-sensitive menus offer options for features or screens. To access context-sensitive menus:

- Press the **Menu Key** .
- Press and hold on an item.

### Finger Gestures

#### Touch

Touch items to select or launch them. For example:

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

#### Touch and Hold

Activate on-screen items. 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, Flick, or Slide

Swipe, flick, or slide your finger vertically or horizontally across the screen. For example:

- Unlocking the screen
- Scrolling the Home screens or a menu.

## Pinch

Use two fingers, such as your index finger and thumb, to make an inward pinch motion on the screen, as if you are picking something up, or an outward motion by sweeping your fingers out. For example:



- Pinch the Home screen to show customization options.
- Pinch a photo in Gallery to zoom in.


## Notification Panel

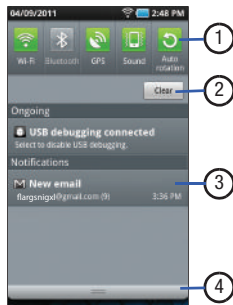
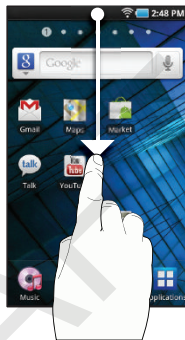
The Notification Panel shows information about connections, messages, and other items.

To display the Notification Panel:

- Sweep your finger downward from the top of the screen.

From the Notification Panel, the following options are available:

1. Touch an icon to activate the feature.
2. Tap to clear all notifications.
3. Tap a notification to open the application.
4. Touch and hold, then slide your finger up to close the Notification Panel or touch the **Back Key** .



## Icons

Icons at the top of the Notification Panel show status for:

- **Wi-Fi:** Touch to enable or disable Wi-Fi. For more information, refer to “*Wi-Fi*” on page 68.
- **Bluetooth:** Touch to enable or disable Bluetooth. For more information, refer to “*Bluetooth*” on page 69.
- **GPS:** Touch to enable Standalone GPS services. For more information, refer to “*Use GPS Satellites*” on page 97.
- **Silent:** Touch to toggle Silent mode On or Off.

- **Auto rotation:** Touch to enable or disable auto rotation. When enabled, the screen orientation changes when you rotate the device. When disabled, the screen locks in the current orientation (horizontal or vertical) and the orientation does not change when you rotate the device.

## Clearing Notifications

1. Sweep your finger downward from the top of the screen to display the Notifications Panel.
2. Touch a notification to clear it.
  - or –
 Touch **Clear** to clear all notifications.

## Status Bar

The Status Bar displays icons to show connection status, battery power, and other details.



**System Alert:** Check Notifications Panel for alerts.



**Battery Level:** Shown fully charged.



**Charging Indicator:** Battery is charging. Displays when connected to a standard AC wall outlet or to a computer by way of a USB cable.



**Device Power Critical:** Battery has only three percent power remaining. Charge immediately.



**Battery Full:** Battery is fully charged. Disconnect device from power source.



**USB Connected:** Device is connected to a computer using a USB cable.



**USB Debugging:** Device is connected to a computer in debugging mode. For more information, refer to “*USB Debugging*” on page 99.



**Download in Progress:** An application is being downloaded to the device.



**Download Successful:** A recent software download was successfully downloaded.



**Flight Mode:** Indicates that the Flight Mode is active, which allows you to use many of your device's features, but it cannot access online information or applications.



**New Email Message:** You have new email.



**New Gmail Message:** You have new Gmail.



**Refresh:** An account is being refreshed.



**Alarm Set:** An alarm is active. For more information, refer to *“Alarm/Clock”* on page 74.



**Silent Mode:** All sounds except media and alarms are silenced and vibrate mode is active. See *“Silent Mode”* on page 94.



**Preparing SD Card:** A memory card is installed.



**Bluetooth Active:** Bluetooth is turned on.



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



**Wi-Fi Action Needed:** Action needed to connect to Wireless Access Point (WAP).



**Acquiring GPS Signal:** Displays when GPS is acquiring a signal.



**GPS Active:** Displays when GPS is active.



**Navigation Active:** The Navigation app is active. For more information, refer to *“Navigation”* on page 52.

## Primary Shortcuts

Primary Shortcuts appear at the bottom of the display.



**Music:** Play music stored on an optional installed memory card. For more information, refer to *“Music Player”* on page 55.



**Videos:** Play and manage videos stored on an installed memory card. For more information, refer to *“Videos”* on page 63.



**Internet:** Access the Internet. Appears on the Home screen by default. For more information, refer to *“Internet”* on page 46.



**Applications:** Access your device's applications. For more information, refer to *“Applications”* on page 23.

## Widgets


Widgets are self-contained applications that you can place on the Home screen to access your favorite features.

### Adding Widgets to the Home screen

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

2. Touch **Widgets**, then touch a widget to add it to the Home screen.

### Removing Widgets

- Touch and hold the Widget until **Remove**  appears at the bottom of the screen, then drag the Widget to the **Remove** icon to remove it.

### Widgets



**Calendar:** Display a calendar. For more information, refer to “*Calendar*” on page 77.



**Calendar Clock:** Display an analog clock with the current date.



**Days:** Display your daily diary. Touch to launch Mini Diary. For more information, refer to “*Mini Diary*” on page 83..



**Dual clock:** Display the date and time for two different locations. For more information, refer to “*Dual Clock*” on page 79.



**Google Search:** Display a Google Search bar. For more information, refer to “*Google Search*” on page 53.



**Home screen tips:** Display tips about the Home screen.



**Latitude:** Locate your friends on a map, and share or hide your location. For more information, refer to “*Latitude*” on page 52.



**Market:** Download applications from the Android Market. For more information, refer to “*Market*” on page 81.



**Picture frame:** Display a picture on a Home screen.



**Power control:** Control Wi-Fi, Bluetooth, and GPS connections, and set automatic synchronization and brightness settings. For more information, refer to “*Power Control*” on page 85.



**Program Monitor:** Display the number of active applications. Touch to launch Task Manager. For more information, refer to “*Task Manager*” on page 7.



**YouTube:** Search YouTube and watch videos. For more information, refer to “*YouTube*” on page 54.



## Shortcuts

Use Shortcuts for quick access to applications or features, such as Email or other applications.

### Adding Shortcuts from a Home screen

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Shortcuts**, then touch a selection, then follow the prompts to add it to the Home screen.



**Applications:** Launch an application. For a list, see “*Applications List*” on page 23.



**Bookmark:** Launch a bookmarked web page.



**Directions & Navigation:** Get directions and navigation from Google Maps.



**Email:** Access an Email account. Appears once an Email account is set up. For more information, refer to “*Email*” on page 41.



**Gmail label:** Access a Gmail label. Appears once a Gmail account is set up. For more information, refer to “*Setting Up Your Gmail Account*” on page 39.




**Latitude:** Locate your friends on a map and share or hide your location.




**Settings:** Go to a specific setting.

### Adding Shortcuts from Applications

1. Navigate to a Home screen panel.
2. Touch **Applications** .
3. Touch and hold on an application icon. The Shortcut icon is automatically placed on the selected Home screen.

### Removing Shortcuts

- Touch and hold the Shortcut until **Remove**  appears, then drag the Shortcut to the **Remove** icon.

## Folders

Place Folders on the Home screen to organize items together on the Home screen.

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

2. Touch **Folders**, then touch a selection:



**New folder:** Create a new empty folder.



**All contacts:** Create a folder containing all contacts.



**Contacts with phone numbers:** Create a folder containing contacts with stored phone numbers.



**Received list from Bluetooth:** Create a folder containing a list of items received from Bluetooth.



**Recent documents:** Display the ThinkFree Office Recent Docs list. Tap an entry to open the associated document. For more information, refer to “ThinkFree Office” on page 88.

## Removing Folders


- Touch and hold the Folder until **Remove**  appears, then drag the Folder to the **Remove** icon.

## Wallpapers

You can choose a picture to display in the background of the Home screen. Choose from preloaded wallpaper images or select a photo you have downloaded or taken with the Camera.

1. From a Home screen, touch and hold on the screen to display the **Add to Home screen** menu, then touch **Wallpapers**.

— or —


From a Home screen, press the **Menu Key**   
→ **Wallpaper**.

2. Choose a source for images:
  - **Gallery:** Access the Gallery to choose a picture from an installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Save** to save the picture as wallpaper.
  - **Live wallpapers:** Choose from pre-loaded interactive animated wallpapers. Touch a wallpaper to see an example. Touch **Set wallpaper** to save your choice.
  - **Wallpaper gallery:** Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.




## Applications

The Applications screen holds all applications on your wireless device. Applications that you download and install from the Android Market or from the web are also added to the Applications screen.

You can place shortcuts to applications on the Home screen for quick access to the application. For more information, refer to *“Adding Shortcuts from Applications”* on page 21.

1. From a Home screen, touch **Applications** .
2. Slide your finger across the screen left or right to scroll through the Applications screens.
3. Touch an icon to launch the application.

### Customizing the Applications Screens

1. From a Home screen, touch **Applications** .
2. Press the **Menu Key**  → **Edit**.
3. Touch and hold an application icon, then drag it to a new location.
4. When you are finished, press the **Menu Key**  → **Save**.

---

**Note:** To discard changes to the Applications screens before you save them, press the **Menu Key**  → **Cancel**, then touch **OK** to confirm.

---

## Applications List

The following is an alphabetical list of the applications that come preloaded on your device:



**Alarm/Clock:** Schedule alarms to remind you of appointments or events, or as a wake-up. For more information, refer to *“Alarm/Clock”* on page 74.



**AllShare:** Synchronize your device with your TV. For more information, refer to *“AllShare”* on page 76.



**Calculator:** The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. The calculator can also be used as a scientific calculator. A shortcut to Calculator appears on a Home screen by default. For more information, refer to *“Calculator”* on page 77.



**Calendar:** Record events and appointments to manage your schedule. For more information, refer to *“Calendar”* on page 77.



**Camera:** Take photos or record videos. For more information, refer to *“Camera”* on page 59.



**Contacts:** Save and manage contact information for your friends and colleagues. For more information, refer to *“Contacts”* on page 29.



**Email:** Send and receive email from your device. For more information, refer to “*Email*” on page 41.



**FM radio:** The built-in FM radio in your device provides free music from your local FM radio stations. For more information, refer to “*FM Radio*” on page 57.



**Gallery:** View and manage photos stored on your device or on an installed memory card. For more information, refer to “*Gallery*” on page 64.



**Gmail:** Send and receive emails with Gmail, Google's web-based email. A shortcut to Gmail appears on a Home screen by default. For more information, refer to “*Gmail*” on page 39.



**Google Search:** Use the Google search engine to search the internet and your device. A shortcut to Google Search appears on a Home screen by default. For more information, refer to “*Google Search*” on page 53.



**Internet:** Access the Internet. By default, a shortcut to Internet appears on the Home screen as a Primary Shortcut. For more information, refer to “*Internet*” on page 46.



**Latitude:** Use Google Latitude to locate your friends on a map and share or hide your location. For more information, refer to “*Latitude*” on page 52.



**Maps:** Find locations and get directions with Google maps. A shortcut to Maps appears on a Home screen by default. For more information, refer to “*Maps*” on page 51.



**Market:** Browse, download, and install Android applications. A shortcut to Market appears on a Home screen by default. For more information, refer to “*Market*” on page 81.



**Memo:** Create text memos and use Bluetooth to send memos. For more information, refer to “*Memo*” on page 82.



**Mini Diary:** Record daily happenings. Also available as an Android Widget, Days. For more information, refer to “*Mini Diary*” on page 83.



**Music:** Play music stored on an optional installed memory card. By default, a shortcut to Music appears on the Home screen as a Primary Shortcut. For more information, refer to “*Music Player*” on page 55.



**My Files:** Find, view and manage files stored on an optional installed memory card. For more information, refer to “*My Files*” on page 84.



**Navigation:** Use Google Maps Navigation to search for locations, with turn-by-turn directions. For more information, refer to “*Navigation*” on page 52.



**Places:** Use Google Maps to find places of interest, plus add your own favorite places. For more information, refer to “*Places*” on page 53.



**Qik manual:** Read through the Qik manual right on your device. It contains the instructions you need to use the Qik Video application. For more information, refer to “*Qik Manual*” on page 86.



**Qik Video:** Qik lets you record and share videos with your friends, family, and favorite social networks like Facebook, YouTube, and Twitter. For more information, refer to “*Qik Video*” on page 86.



**Samsung Apps:** Connect to Samsung Apps and make your smart device even smarter. Simply and easily download an abundance of applications to your device such as games, news, reference, social networking, navigation, and more. For more information, refer to “*Samsung Apps*” on page 87.



**Settings:** Configure your device to your preferences. For more information, refer to “*Settings*” on page 90.



**Talk:** Chat with other Google Talk users. A shortcut to Talk appears on a Home screen by default. For more information, refer to “*Google Talk*” on page 44.



**Task manager:** View and manage active applications. For more information, refer to “*Task Manager*” on page 7.



**ThinkFree Office:** Provides access to a Microsoft® Office-compatible applications suite. It also provides a centralized location for the management of your online and offline files. For more information, refer to “*ThinkFree Office*” on page 88.



**Videos:** Play and manage videos stored on an installed memory card. By default, a shortcut to Video appears on the Home screen as a Primary Shortcut. For more information, refer to “*Videos*” on page 63.



**Voice Recorder:** Record your voice or other sounds, and share via Bluetooth or Gmail. For more information, refer to “*Voice Recorder*” on page 88.



**Voice Search:** Perform a Google search by speaking your search terms. For more information, refer to *"Voice Search"* on page 53.



**YouTube:** View and upload YouTube videos, right from your device. A shortcut to YouTube appears on the Main Home screen by default. For more information, refer to *"YouTube"* on page 54.

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## Section 3: Contacts and Accounts

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This section explains how to manage contacts and accounts.

### Accounts

Your device can synchronize with a variety of accounts. With synchronization, information on your device is updated with any information that changes in your accounts.

- **Facebook:** Add your Facebook account to sync Contacts.
- **Twitter:** Add your Twitter SNS Service to sync Contacts.
- **MySpace:** Add your MySpace SNS Service to sync Contacts.
- **Microsoft Exchange:** Add your Exchange account to sync Contacts, Calendar and Email.
- **Google:** Add your Google account to sync your Contacts, Calendar, and Gmail.
- **Qik Video:** Sign up or log in to your Qik Video account.


---

**Note:** You must register your device with your social networking site before using the device to access the network.

---

### Setting Up Your Accounts

Set up and manage your synchronized accounts with the **Accounts and sync** setting.


1. From a Home screen, press the **Menu Key**  → **Settings** → **Accounts and sync**.
2. Touch **Add account**, then touch the account type.
3. Follow the prompts to enter your account credentials to complete the set-up process.
4. The device communicates with account servers to set up your account. When complete, your account appears in the **Manage accounts** area of the **Accounts and sync** screen.

## Setting Up a Facebook Account

---

**Note:** You must register your device with your social networking site before using the device to access the network.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Accounts and sync** → **Add account** → **Facebook**.

The Set up your Facebook account screen displays.


2. Touch **Next**.
3. Enter your **Email** address and **Password**, then touch **Log in**.
4. Follow the prompts to complete the set-up.

## Setting Up a Twitter Account

---

**Note:** You must register your device with your social networking site before using the device to access the network.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Accounts and sync** → **Add account** → **Twitter**.

The Set up your Twitter account screen displays.

2. Touch **Next**.


3. Enter your **Username or email** address and **Password**, then touch **Log in**.
4. Follow the prompts to complete the set-up.

## Setting Up a MySpace Account

---

**Note:** You must register your device with your social networking site before using the device to access the network.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Accounts and sync** → **Add account** → **MySpace**.

The Set up your MySpace account screen displays.



2. Touch **Next**.
3. Enter your **Email** and **Password**, then touch **Log in**.
4. Follow the prompts to complete the set-up.










## Contacts

Store contact information for your friends, family and colleagues, to quickly access information or to send a message.

To access Contacts:





- ▶ From a Home screen, touch **Applications**   
→ **Contacts** .

### Creating Contacts

1. From a Home screen, touch **Applications**   
→ **Contacts**  → .
2. At the **Save contact** to prompt, touch an account for synchronizing the contact (available options depend on the accounts you have set up for synchronization).
3. Touch contact fields to enter information:
  - Touch the Photo ID to **Select Photo** to identify the contact.
  - Touch **First name**, then enter a first name for the contact.
  - Touch  to show **Last name**, then enter a last name for the contact.
4. When you finish entering information, touch **Save**.
  - Touch **Phone** to enter a phone number, then touch the Label button to choose a label, from **Mobile**, **Home**, **Work**, **Work fax**, **Home Fax**, **Pager**, **Other**, **Custom**, or **Callback** to create a custom label. To add another number, touch .
  - Touch **Email** to enter an email address, then touch the Label button to choose a label, from **Work**, **Home**, **Mobile**, **Other**, or **Custom** to create a custom label. To add another address, touch .
  - Touch **IM** to enter an instant message address, then touch the Label button to choose a label, from **GTalk**, **AIM**, **Windows Live**, **Yahoo**, **Skype**, **QQ**, **ICQ**, **Jabber**, or **Custom** to create a custom label. To add another IM, touch .
  - Touch **Groups** to assign the contact to a group. For more information about Groups, see “Groups” on page 33.
  - Touch **Postal address** fields to enter a physical address.
  - Touch **Organization** fields to enter a company name or association.
  - To add more fields, touch **More** to choose **Notes**, **Nickname**, **Website**, **Birthday**, and **Anniversary**.

## Updating Contacts

Make changes to update an existing contact.




1. From a Home screen, touch **Applications**  → **Contacts**  .
2. Touch and hold a contact, then touch **Edit**.  
– or –  
Touch a contact to view its information, then press the **Menu Key**  → **Edit**.
3. Continue entering contact information. For more information, refer to “*Creating Contacts*” on page 29.
4. To delete a contact, press the **Menu Key**  → **Delete**. At the prompt, touch **OK**.

## Linked Contacts




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

Linking, or joining, imported contact records allows you to see all the contact’s numbers and addresses together in one Contact entry. Linking also helps you keep your contacts updated, because any changes that your contacts make to their information in the respective accounts is automatically updated the next time you synchronize with the account.

## Linking contacts

1. From a Home screen, touch **Applications**  → **Contacts**  .
2. Touch a contact to display its information.
3. Press the **Menu Key**  → **Join contact** and then touch another contact to link.





## Unlinking contacts

1. From a Home screen, touch **Applications**  → **Contacts**  .
2. Touch a contact to display its information.
3. Touch the **Joined Contacts** field to display linked contacts.
4. Touch  next to the contact to unlink it from the displayed contact.




## Get Friends

Use the Get Friends feature to sync with your accounts. You can choose an account you have already added or add a new account.

For more information about setting up accounts on your device, see “*Setting Up Your Accounts*” on page 27.

1. From a Home screen, touch **Applications**  → **Contacts** .
2. Press the **Menu Key**  → **Get friends**.
3. Touch **Add account**, then touch an account. For more information, refer to “*Setting Up Your Accounts*” on page 27.
4. Press the **Menu Key**  → **Sync now**.

## Contacts Display Options




1. From a Home screen, touch **Applications**  → **Contacts** .
2. Press the **Menu Key**  → **More** → **Display options** to set options:
  - Touch **Only contacts with phones** to restrict display to contacts with phone numbers.
  - Touch **Sort by** to list contacts by **First name** or **Last name**.

- Touch **Display contacts by** to list contacts by **First name first** or **Last name first**.
- Touch **My device** to choose groups to display or touch an account to choose display categories.

3. Touch **Done** to save options.

## Sending Emails

You can send an email to a contact from the Contacts application.

1. From a Home screen, touch **Applications**  → **Contacts** .
2. Press the **Menu Key**  → **More** → **Send email**.
3. Touch contact(s) to mark them for sending, then touch **Done**. A check mark indicates marked contacts.
4. At the prompt, choose a sending method, then follow the prompts to send the email:
  - **Compose**: For more information, refer to “*Composing and Sending Gmail*” on page 40.
  - **Email**: For more information, refer to “*Email*” on page 41.



## Sending a Namecard (vCard)

You can send contact namecards as vCards by way of Bluetooth to other Bluetooth devices or in an Email or Gmail as an attachment.

---

**Note:** 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 **Applications**  → **Contacts** .

2. Press the **Menu Key**  → **Import/Export** → **Send namecard via**.

Touch contact(s) to mark them for sending, then touch **Send**. A check mark indicates marked contacts.

– or –

Touch a contact to display its information.

Press the **Menu Key**  → **Send namecard via**.

3. At the prompt, choose a sending method, then follow the prompts to send the namecard:
  - **Bluetooth:** For more information, refer to “*Bluetooth*” on page 69.

- **Email:** For more information, refer to “*Email*” on page 41.
- **Gmail:** For more information, refer to “*Composing and Sending Gmail*” on page 40.




---

**Note:** Touch **Use by default for this action** to use the selected sending method every time you send a namecard.

---



## Exporting and Importing Contacts

You can export your contact list to an installed memory card or import contacts (previously exported) from a memory card.

1. From a Home screen, touch **Applications**  → **Contacts** .
2. Press the **Menu Key**  → **Import/Export**.
3. Touch **Import from Internal Memory** or **Export to Internal Memory**, then follow the prompts to complete the operation.

## My Profile

My profile is your own contact record. You can send My profile as a vCard by way of Bluetooth or as an attachment by way of Email or Gmail.

1. From a Home screen, touch **Applications**  → **Contacts** .
2. Press the **Menu Key**  → **My profile**.

3. Add your profile information and touch **Save**.





— or —

Press the **Menu Key**  → **Edit** to update your profile information

For more information, refer to “*Creating Contacts*” on page 29.

### **Sending My Profile**

You can send My Profile as a vCard by way of Bluetooth to other Bluetooth devices or as an attachment to a Gmail or other email.

1. From a Home screen, touch **Applications**   
→ **Contacts** .
2. Press the **Menu Key**  → **My profile** to display your contact information.
3. Press the **Menu Key**  → **Send namecard via**.
4. At the prompt, choose a sending method, then follow the prompts to send the profile:
  - **Bluetooth**: For more information, refer to “*Bluetooth*” on page 69.
  - **Email**: For more information, refer to “*Email*” on page 41.

- **Gmail**: For more information, refer to “*Composing and Sending Gmail*” on page 40.

---

**Note:** Touch **Use by default for this action** to use the selected sending method every time you send My Profile.

---




### **Groups**

Assign contacts to Groups to make searching for contacts faster or to quickly send messages to group members.

#### **Creating a New Group**




1. From a Home screen, touch **Applications**   
→ **Contacts** , then touch the **Groups** tab.
2. Press the **Menu Key**  → **Create**.
3. Touch the **Group name** field to enter a group name.
4. Touch **Save** to save the new group.

#### **Deleting a Group**





1. From a Home screen, touch **Applications**   
→ **Contacts** , then touch the **Groups** tab.
2. Press the **Menu Key**  → **Delete**.
3. Touch a group to mark it or touch **Select all** to mark all groups. A check mark indicates marked groups.

4. Touch **Delete**, then touch **Group only**, to only delete the group, or **Group and group members**, to delete the group and the members of that group.

### Editing a Group

1. From a Home screen, touch **Applications**   
→ **Contacts**  → **Groups**.
2. Touch a Group to display it.
3. Press the **Menu Key**  → **Edit group**.
4. Touch **Save** to save the changes.

### Adding and Removing Group Members

1. From a Home screen, touch **Applications**   
→ **Contacts**  → **Groups**.
2. Touch a Group to display it.
3. Press the **Menu Key**  → **Add member**.  
– or –  
Press the **Menu Key**  → **Remove member**.




4. To add a contact, touch the contact name on the left side of the screen or touch **Select all** to add all contacts listed.  
Touch **Add**.  
– or –
5. To remove a contact from the group, touch the contact name on the left side of the screen or touch **Select all** to remove all contacts listed. Touch **Remove**.

---

**Tip:** You can also change a contact's group associations by editing the contact. For more information, refer to “*Creating Contacts*” on page 29.

---

### Sending a Message to Group Members

1. From a Home screen, touch **Applications**   
→ **Contacts**  → **Groups**.
2. Touch a **Group** to display it.
3. Press the **Menu Key**  → **Send email** to create a new email.
4. Touch contacts to mark them as recipients for the new message, then touch **Send**.

5. At the prompt, choose a sending method, then follow the prompts to send the message:

- **Compose:** For more information, refer to “*Composing and Sending Gmail*” on page 40.
- **Email:** For more information, refer to “*Email*” on page 41.

---


**Note:** Touch **Use by default for this action** to use the selected sending method every time you send My Profile.

---

6. The new message displays with marked contacts as recipients. For more information, refer to “*Composing and Sending Email*” on page 42.

## Activities

The Activities option allows you to view updated contact information that has been synchronized with Facebook, Twitter, or MySpace.

1. From a Home screen, touch **Applications**  → **Contacts**  → **Activities**.

---

**Note:** You must log in to an SNS account (Facebook, Twitter, or MySpace) before you can view the Updates.

---

2. The updates are displayed.

---

**Note:** Activity updates will not appear unless you have synchronized your device with your accounts. For more information, refer to “*Accounts and Sync*” on page 100.

---

## Section 4: Entering Text

This section describes how to enter words, letters, punctuation and numbers when you need to enter text.

### Virtual QWERTY Keyboard

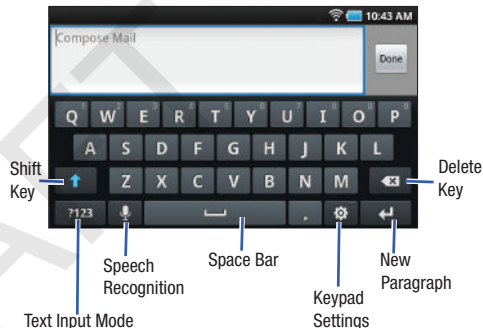
Your device uses a virtual QWERTY keyboard for text entry. Use the keyboard to enter letters, punctuation, numbers, and other characters into text entry fields or applications. Access the keyboard by touching any text entry field.

The virtual QWERTY keyboard displays at the bottom of the screen. By default, when you rotate the device, the screen orientation updates to display the keyboard at the bottom of the screen.

### Using the Samsung Keypad

The Samsung Keypad is a custom virtual QWERTY keyboard, featuring predictive text. Input characters by tapping the on-screen keys with your finger or use speech recognition.

As you enter characters, predictive text matches your key touches to common words and displays them. Select a word from the display to insert it into your text.



### Configuring the Keypad


To configure the Samsung Keypad to your preferences:

- ▶ While entering text, touch **Settings** .

The Samsung keypad settings screen is displayed. For more information, refer to “*Samsung Keypad*” on page 103.



## 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 key(s).

- Touch once to switch from abc to Abc mode
- Touch and hold to switch to ABC mode

## Entering Symbols and Numbers


To enter a number, touch , then touch the corresponding key.

To enter common symbols, touch  to switch to Symbols mode, then touch the corresponding key.

There are three pages of symbols. Touch  to switch to the next page.

## Using XT9 Predictive Text

XT9 is a predictive text system that has next-letter prediction and regional error correction, which compensates for users pressing the wrong keys on QWERTY keyboards.


1. Rotate your device counterclockwise to a Landscape orientation.
2. Touch **Settings**  at the bottom of the keypad.  
The Samsung keypad settings screen displays.

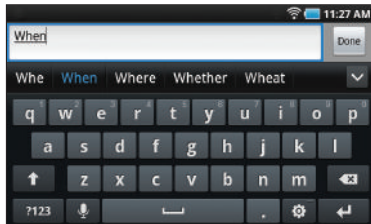
3. Touch the **XT9** field so a green checkmark appears next to the field.
4. Touch the **XT9 advanced settings** field to modify XT9 associated settings. For more information, refer to “*Samsung Keypad*” on page 103.

---

**Note:** The XT9 option is available only when Abc mode has been selected.

---

5. Begin typing a word. A list of word options displays. Touch one of the words to replace the word that has already been typed or touch  for more word choices.



6. Continue typing your message. XT9 mode can also be used in the portrait orientation.

## Editing Text

After entering text, touch and hold the text field to display the following options:

- **Select all:** Select all text in the field.
- **Select text / Stop selecting text:** Touch and hold a position in the text, then touch **Select text**. Lightly sweep left or right over the text you want to select. Touch **Stop selecting text** when you are ready to stop selecting text.
- **Cut / Cut all:** Copy and remove the selected text.
- **Copy / Copy all:** Copy the selected text.
- **Paste:** Touch and hold a position in the text to paste the copied text, then touch **Paste**.
- **Input method:** Set the input method to Samsung keypad.



## Using Speech Recognition

You can use your voice to enter text using the Voice input feature, which lets you enter text by speaking. Samsung Keypad recognizes your speech and enters text for you.

---

**Note:** Enable **Voice Input** in Samsung keypad settings. For more information, refer to “*Samsung Keypad*” on page 103.

---

1. Touch **Speech Recognition**  on the Samsung Keypad.
2. At the **Speak now** prompt, speak clearly and distinctly into the microphone.
3. **Working...** is displayed while the software is converting your voice to text.  
The text is displayed in the message.
4. Touch **Speech Recognition**  again to speak and add more text.

---

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

---

## Section 5: Messaging

---

This section describes how to send and receive messages and other features associated with messaging.

### Types of Messages

Your device supports these types of messages:

- **Gmail:** Send and receive Gmail from your Google account.
- **Email:** Send and receive email from your email accounts, including Corporate Exchange mail.
- **Google Talk:** Chat with other Google Talk users.

---

**Note:** Your Wi-Fi-only device does NOT support voice calling and messaging services. Please disregard any “dial” and “message” related menus because some Gmail options are identically set in all Android devices.

---


### Gmail

Send and receive emails with Gmail, Google’s web-based email.


---

**Tip:** To set up your Google account on your device, use **Accounts and sync** settings. For more information, refer to “Accounts and Sync” on page 100.

---

► From a Home screen, touch **Gmail** .

— or —

From a Home screen, touch **Applications** .

→ **Gmail** .


### Setting Up Your Gmail Account

The first time you launch Gmail, your device prompts you to set up your Google account.

---

**Note:** You can use more than one Google account on your device. To add another account, use the **Menu Key**  → **Accounts** option.

---

1. From a Home screen, touch **Gmail** .
2. At the Adding an Account screen, touch **Next** to begin, then touch an option:
  - **Create:** Follow the prompts to create a new account.
  - **Sign in:** Enter your Google Username and Password, then touch Sign In.
3. The device communicates with the Google server to set up your account and synchronize your email. When complete, your Gmail appears in the Inbox.


## Refreshing Your Gmail Account

Refresh your account to update your device from the Gmail servers.






1. From a Home screen, touch **Gmail** .
2. Press the **Menu Key**  → **Refresh**.

## Managing Your Gmail Account

Use menu options to manage your Gmail.

1. From a Home screen, touch **Gmail** .
2. Press the **Menu Key**  for these options:
  - **Refresh**: Update your device from the Gmail servers.
  - **Compose**: Create and send new Gmail.
  - **Accounts**: Choose a Gmail account or add a Google account.
  - **Go to labels**: View Gmail by label.
  - **Search**: Enter keywords to search mail.
  - **More**:
    - **Settings**: Configure settings. For more information, refer to “*Gmail account settings*” on page 41.
    - **Help**: Learn about using Gmail.
    - **About**: View information about Gmail.

## Composing and Sending Gmail

1. From a Home screen, touch **Gmail** .
2. Press the **Menu Key**  → **Compose**.
3. Touch the **To** field to enter recipients. As you enter names or email addresses, matching contacts display. Touch a contact to add it to the field.
4. Touch the **Subject** field to enter a subject.
5. Touch **Compose Mail** to enter the text of your email.
6. While composing a message, press the **Menu Key**  for these options:
  - **Send**: Send the message.
  - **Save draft**: Save the message as a draft for sending later.
  - **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields in the message. After creating the fields, touch to enter recipients.
  - **Attach**: Launch Gallery to select a photo to add to the message.
  - **Discard**: Close the message without saving.
  - **Help**: Learn about using Gmail.
7. Touch  to send the message or  to save the message as a draft.

## Gmail account settings

1. From a Home screen, touch **Gmail** .
2. Press the **Menu Key**  → **More** → **Settings** for settings:

- **General settings:**

- **Signature:** Create a text signature to add to outgoing messages.
- **Confirm actions:** Have your device prompt you to confirm Archive, Delete, and Send actions.
- **Reply all:** Enable or disable Reply All as the default action when responding to messages.
- **Auto-advance:** Choose a screen to show after you delete or archive a conversation.
- **Message text size:** Set the size of text in message displays.
- **Batch operations:** Allow changes to labels on more than one conversation.
- **Clear search history:** Remove previous searches you performed.
- **Labels:** Choose which labels are synchronized.



- **Notification settings:**

- **Email notifications:** When enabled, notifications for new email appear in the Status Bar.
- **Select ringtone:** Choose a ringtone for new email notifications.
- **Vibrate:** Choose vibration settings for email notifications.
- **Notify once:** When enabled, a notification appears in the Status Bar for new email, not for every new message.

## Email

Use Email to view and manage all your email accounts in one application.

### Setting Up Email Accounts

1. From a Home screen, touch **Applications**  → **Email** .
2. At the Set up email screen, enter an **Email address** and **Password** and touch **Next**.
3. Enter an account name for the email account just added, which is displayed on the inbox for the email account.
4. Enter your name, which is displayed on outgoing messages.
5. Touch **Done**.



The device communicates with the appropriate server to set up your account and synchronize your email. When complete, your email appears in the Inbox for the account.

6. Enter account credentials, then complete set-up by following the prompts to configure account options. Available options vary, depending on the provider.

If the account includes synchronization of contacts and calendars, you can choose whether to synchronize these features with your device.




### Adding Additional Email Accounts

To add additional email accounts:

1. Press the **Menu Key**  → **Accounts**.  
The list of accounts displays.
2. Touch the **Menu Key**  → **Add account**.
3. Enter the **Email address**, **Password**, and so on.




### Configuring Email Account Settings

To configure email account settings at any time:

1. From a Home screen, touch **Applications**  → **Email** .
2. Touch an account, if you have more than one account set up.
3. Press the **Menu Key**  → **More** → **Account settings**.


For more information, refer to “*Account Settings*” on page 43.


### Composing and Sending Email

1. From a Home screen, touch **Applications**  → **Email** .
2. Touch an account, if you have more than one account set up.
3. Press the **Menu Key**  → **Compose**.
4. Touch the **To** field to enter recipients. As you enter names or email addresses, matching contacts display. Touch a contact to add it to the field.  
— or —  
Touch **Recent**, **Contacts**, or **Group** and select contacts. Touch **Done** when all contacts have been selected.
5. Touch **Cc/Bcc** to enter recipients in the **Cc** or **Bcc** fields.
6. Touch the **Subject** field to enter a subject.
7. Touch the text field to enter the email text.

8. Touch **Attach** to add an attachment. Choices are:

- **File:** Select a file from My files.
- **Pictures:** Select a picture from Gallery.
- **Videos:** Select a video from Gallery.
- **Audio:** Select an audio file from My files.
- **Capture picture:** Open the camera and take a picture.
- **Capture video:** Open the video recorder and shoot a video.
- **Record audio:** Open the voice recorder and make a recording.

The selected or created file is attached. Touch  to remove the attachment.

9. While composing a message, press the **Menu Key**  for these options:

- **Save as draft:** Save the message in Drafts.
- **Add text:** Lets you add text to your email from:
  - **Contacts:** Touch contact information to select it, then touch **Submit**.
  - **Calendar:** Touch one or more calendar events, then touch **Add**.
  - **Memo:** Touch one or more memos, then touch **Attach**.

10. Touch **Send** to send the message or **Discard** to cancel the email.

## Managing Emails

You can view emails you receive for all accounts in the Combined inbox screen or you can view email accounts individually.

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

→ **Email** .

2. Touch one of the following:

- **Combined inbox:** View all emails in a combined inbox.
- **<account name>:** Only view emails for one email account.


## Account Settings

Account Settings lets you use settings to configure handling of email on your device.


---

**Note:** Available settings may depend on the email account and include setting how much email to synchronize, creating signatures for emails you send, and other handling options.

---

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

→ **Email** .

2. Choose an email account and press the **Menu Key**  → **More** → **Account settings**. The following options display:

- **General settings:**
  - **Account name:** Enter a name to identify this account.
  - **Your name:** Enter your name, to appear on emails from this account.

- **Amount to synchronise:** Choose how much email you want to see on your device. Options are: **1 day, 3 days, 1 week, 2 weeks, or 1 month.**
- **Email check frequency:** Lets you configure how often the device queries the remote server for new email changes. Options are: **Automatic (Push), Never, Every 5 minutes, Every 10 minutes, Every 15 minutes, Every 30 minutes, or Every hour.**
- **Default account:** When enabled, email from your device is automatically sent from this account.
- **Notification settings:**
  - **Email notifications:** When enabled, the New Email icon appears in the Status Bar when a new email arrives.
  - **Select ringtone:** Choose a ringtone for email notifications for this account.
  - **Vibrate:** When enabled, email notifications for this accounts are accompanied by vibration.
- **Server settings:**
  - **Incoming settings:** Configure server settings.
  - **Sync contacts:** When enabled, contacts from your account are synchronized with your device's Contacts.
  - **Sync calendar:** When enabled, events from your account are synchronized with your device's Calendar.
- **Common Settings:**
  - **Recent messages:** Set the number of recent messages. Options are: **25, 50, 75, 100, 200, or Total.**
  - **Forward with files:** Enable or disable forwarding of file attachments.

- **Add signature:** Enable or disable adding a signature.
- **Signature:** Enter a signature to add to emails from this account.




## Google Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

---

**Tip:** Talk requires that you have a Google account. To set up your Google account on your device use **Accounts and sync** settings. For more information, refer to “Accounts and Sync” on page 100.

---

1. From a Home screen, touch **Talk**  .  
– or –  
From a Home screen, touch **Applications**  → **Talk**  .
2. Press **Next** to set up a Google account or to Sign in.
3. Tap **Create** to create a new Google account.  
– or –  
Tap **Sign in**, if you have an existing Google account.

---

**Note:** If you have already set up your Google account, you are automatically logged in.

---



4. After entering your user name and password, touch **Done**.
5. Touch **Sign in**.  
Once sign in is complete, the Talk screen displays.

6. Press the **Menu Key**  to display the following options:

- **All friends / Most popular**: List all friends or the most popular friends.
- **Add friend**: Use the keypad to enter an invitation to a friend, then touch **Send invitation**.
- **Search**: Enter a search term and search Google Talk.
- **Sign out**: Close Google Talk and display the Home screen.
- **Settings**: Offers various settings for Google talk.
- **More**: Displays the following options:
  - **Close all chats**: Terminates any chats that you have open.
  - **Invites**: Lists any pending invitations that you have sent.
  - **Blocked**: Lists any friends that you have blocked.

7. Touch and hold a Friend entry to display the following options: **Start chat**, **Friend info**, **Block friend**, **Remove friend**, **View contact**, **Auto show friend / Always show friend**, and **Hide friend**.

---

**Note:** If you touch the **Hide friend** option, press **Menu Key**  → **Add friend** → **Send invitation** to make the Friend visible again.

---

8. Touch a Friend's entry to display the Chat entries for that Friend.

## Section 6: Web and Social Networking

### Internet




Your device is equipped with a full HTML Browser that allows you to access the internet.

- From a Home screen, touch **Internet** .

**Tip:** Internet appears by default as a Primary shortcut on the Home screen.

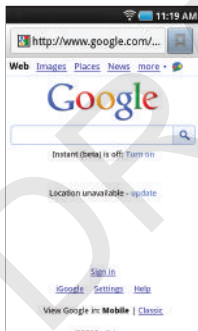
### Navigating the Web

#### Command Keys

- Press the **Back Key**  to return to the previous page.
- Touch  to display Bookmarks, Most visited, and History.
- Press the **Menu Key**  → **Forward** to go forward to a recent page.

#### 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.
- Use two fingers, such as your index finger and thumb, to zoom out by making an inward pinch motion on the screen. To zoom in, make an outward motion by sweeping your fingers out..



**Tip:** For convenient browsing, you can rotate the device to landscape mode.




### Selecting items on a page

While browsing, 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 these options:
  - **Open:** Open the linked page.
  - **Open in new window:** Open a new window to display the linked page.
  - **Bookmark link:** Create a bookmark to the page (without loading it).
  - **Save link:** Save the linked page to Download history.
  - **Share link:** Send the link by way of Bluetooth, Email, or Gmail.
  - **Copy link URL:** Save the link's URL to the clipboard.


## Using Internet Windows

You can have multiple windows open at one time and easily switch between windows.

1. From a Home screen, touch **Internet** .
2. Press the **Menu Key** .
3. To open a new window, touch **New window**.
4. To switch to another open window, touch **Windows**, then touch another open window to display it.  
— or —  
Touch  to open another new window.


## Entering a URL

Access a web site quickly by entering the URL.

1. From a Home screen, touch **Internet** .
2. Touch the **URL** field at the top of the screen, then enter the URL using the virtual QWERTY keyboard.  
As you enter characters, potential matches display.

3. Touch a match to complete the URL.





— or —


Continue entering characters and touch  to load the page.

## Copying Fields or Text


Copy information from a web page to the clipboard for pasting, searching, or sharing.

### Selecting Text

1. From a Home screen, touch **Internet** .
2. Browse to a web page.
3. On the web page, touch and hold on the text until the text viewer displays. When you see the text you want highlighted, stop touching the screen.  
The text is highlighted.
4. Touch and drag the text selector  to the left or right to select more or less text.
5. To copy the highlighted text, Touch .  
To search for the highlighted text, touch , then touch **Google**, **Google translate**, **Wikipedia**, or **Dictionary**.

To share the highlighted text, touch , then touch **Share as text** or **Share as image**. Then touch **Bluetooth**, **Email**, **Gmail**, or **Picasa**.

### Copying a Hyperlink or URL

1. From a Home screen, touch **Internet**  and browse to a web page.
2. Touch and hold on the link or URL
3. Touch **Copy link URL** on the pop-up menu.

### Pasting Text, Hyperlinks, or URLs



To paste copied text, hyperlinks, or URLs:

1. Navigate to the desired field or to another application.
2. Touch and hold in a text field.
3. Touch **Paste** on the pop-up menu.

### Using Bookmarks

While browsing, bookmark a site to quickly access it later.

#### Creating a Bookmark

1. From a Home screen, touch **Internet**  and browse to a web page.
2. Touch  → **Bookmarks**.



3. Touch **Add**.

The **Add bookmark** prompt displays.

4. Confirm the Name and URL for the bookmark, then touch **OK** to save the bookmark.

### Accessing Bookmarks, Most Visited, and History


Launch a bookmarked page or most visited page, or reload recent pages.

1. From a Home screen, touch **Internet** .
2. Touch .
3. On the **Bookmarks** tab, use these options:
  - Touch a bookmark to load the page.
  - Touch and hold on a bookmark for these options:
    - **Open**: Launch the bookmarked page.
    - **Open in new window**: Open the linked page in a new window.
    - **Edit bookmark**: Change the bookmark name or URL.
    - **Add shortcut to Home**: Create a bookmark on the Home screen.
    - **Share link**: Use Bluetooth, Email, or Gmail to send the link.
    - **Copy link URL**: Save the link's URL to the clipboard.
    - **Delete bookmark**: Remove the bookmark.
    - **Set as homepage**: Assign the bookmarked link as the home page.

4. On the **Most visited** tab, use these options:


- Touch a link to reload it.
- Touch the star next to a link to bookmark it.
- Touch and hold on a link for these options:
  - **Open:** Launch the web page.
  - **Open in new window:** Launch the web page in a new window.
  - **Add bookmark/Remove from Bookmarks:** Bookmark the page or remove the bookmark for this page.
  - **Share link:** Use Bluetooth, Email, or Gmail to send the link.
  - **Copy link URL:** Save the link's URL to the clipboard.
  - **Remove from history:** Remove the record of this page.
  - **Set as homepage:** Assign the bookmarked link as the home page.

5. On the **History** tab, use these options:

- Touch a link to load it.
- Touch **Today**, **Yesterday**, **Last 7 days**, or **Last month** for lists of recent pages.
- Touch the star next to a link to bookmark it.
- To clear the history, press the **Menu Key**  → **Clear history**.
- Touch and hold on a link for these options:
  - **Open:** Launch the web page.
  - **Open in new window:** Launch the web page in a new window.
  - **Add bookmark/Remove from Bookmarks:** Bookmark the page or remove the bookmark for this page.
  - **Share link:** Use Bluetooth, Email, or Gmail to send the link.
  - **Copy link URL:** Save the link's URL to the clipboard.



- **Remove from history:** Remove the record of this page.
- **Set as homepage:** Assign the bookmarked link as the home page.

### Internet Menu

While viewing a web page, press the **Menu Key**  for the following options:

- **New window:** Open a window.
- **Windows:** View the windows you have open.
- **Brightness setting:** Set the display's brightness.
- **Refresh:** Redisplay the current web page.
- **Forward:** Go forward to a recent page.
- **More:**
  - **Add bookmark:** Create a bookmark for the current page.
  - **Add shortcut to Home:** Create a bookmark on the Home screen.
  - **Add RSS feeds:** Adds RSS (Really Simple Syndication) feeds. RSS is a family of web feed formats used to publish frequently updated works, such as blog entries, news headlines, audio, and video.
  - **Find on page:** Search for content on the current page.
  - **Page info:** View information about the current page, including the URL.
  - **Share page:** Use Bluetooth, Email, or Gmail to send the page's URL.
  - **Downloads:** View and manage recent downloads.
  - **Settings:** Customize the Internet settings (see “Internet Settings” on page 50).

## Internet Settings

1. From a Home screen, touch **Internet** .
2. Press the **Menu Key**  → **More** → **Settings** for the following options:
  - **Page content settings**
    - **Default zoom:** Choose a default zoom level for web pages.
    - **Open pages in overview:** When enabled, displays an overview of newly-opened pages.
    - **Text encoding:** Choose a default character set for web pages.
    - **Block pop-up windows:** When enabled, blocks pop-up windows.
    - **Load images:** When enabled, images are automatically loaded when you visit a page. When disabled, images are indicated by a link, which you can touch to download the picture.
    - **Auto-fit pages:** When enabled, the Browser automatically sizes web pages to fit your device's display.
    - **Landscape view only:** When enabled, all pages display in the wider landscape orientation (rotate your device to view pages in landscape mode).
    - **Enable JavaScript:** When enabled, the Browser automatically runs JavaScript scripts on pages you visit.
    - **Enable plug-ins:** When enabled, the Browser automatically loads and runs plug-ins on pages you visit.
    - **Open in background:** When enabled, new windows open behind the current window.

- **Set home page:** View and set the default first page that displays when you launch the Browser.
- **Default storage:** The default location for downloads.
- **Privacy settings**
  - **Clear cache:** Delete content and databases stored on the device.
  - **Clear history:** Delete the list of previously-visited pages.
  - **Accept cookies:** When enabled, allows Browser to save and read cookie information used by web pages.
  - **Clear all cookie data:** Delete cookie information saved to the device.
  - **Remember form data:** When enabled, stores information you enter into forms to make future forms easier.
  - **Clear form data:** Deletes saved form information.
  - **Enable location:** When enabled, sites you visit can request access to your location.
  - **Clear location access:** Clear location access for all web sites.
- **Security settings**
  - **Remember passwords:** When enabled, saves usernames and passwords for sites you visit, to make future visits easier.
  - **Clear passwords:** Clear all saved usernames and passwords.
  - **Show security warnings:** When enabled, the Browser warns you if there is a problem with a site's security.

- **Advanced settings**

- **Select search engine:** Select the search engine you want to use. Choices are: Google, Yahoo!, and Bing.
- **Website settings:** View and manage settings for individual web sites.
- **Reset to default:** Clear all browser data and reset all settings to the factory defaults.

## Maps

Use Google Maps to find your current location, get directions, and other location-based information. The Google Maps shortcut appears by default on the Main Home screen by default.


---

**Note:** You must enable location services to use Maps. Some features require Standalone or Google location services. For more information, refer to “Location and Security” on page 96.

---

- From a Home screen, touch **Maps** .

– or –

From a Home screen, touch **Applications** .

→ **Maps** .

## Navigating the Map

### Zooming

- Double-tap on the screen to zoom in.
- Touch Zoom in or Zoom out .



### Scrolling

- Touch and drag on the screen to reposition the map in the display.

### Touch

- Touch an icon on the map to display information about the location.



### Maps Menu

1. From a Home screen, touch **Maps** .
2. While viewing a map, press the **Menu Key**  for these options:
  - **Search:** Find a location.
  - **Directions:** Get driving, public transport, or walking directions.
  - **Starred Places:** Display starred locations.
  - **Clear Map:** Remove search results from the map.
  - **Join Latitude / Latitude:** Join or display Latitude, to share your location with friends you choose and Google.

- **More:**
  - **Labs:** Access experimental features.
  - **Sign In:** Enter your Google Username and Password, then touch **Sign In**.
  - **Help:** Learn about Google maps.
  - **Terms, Privacy & Notices:** View information about Google Maps, including the Terms and Conditions, Privacy Policy, Legal Notices, and Web History.
  - **About:** View information about Maps.

## Latitude

Use Google Latitude to locate your friends on a map and share or hide your location.

- From a Home screen, touch **Applications** 
  - **Latitude** .



## Navigation

Use Google Navigation to find a destination and to get walking or driving directions.

---

**Note:** You must first create a wi-fi connection to use Navigation.

---



1. From a Home screen, touch **Applications** 
  - **Navigation** .
2. To find a destination, touch an option:

- **Speak Destination:** Say the name or address of your destination.
  - **Type Destination:** Enter the destination.
  - **Contacts:** Choose a destination from a contact record.
  - **Starred Places:** Choose destinations you have marked as favorites.
  - **Recent Destinations:** Choose from recent destinations.
3. While navigating, press the **Menu Key**  for options:
    - **Search:** Find a location.
    - **Route Info:** View information about the current route.
    - **Layers:** Choose map layers to display.
    - **Mute/Unmute:** Mute to silence voice-guided prompts.
    - **Exit Navigation:** Close Navigation and discard route information.
    - **More:**
      - **Directions List:** View directions in a step-by-step list.
      - **Set Destination:** Choose or enter a destination.
      - **Help:** Learn about Google maps.
      - **Terms, Privacy & Notices:** View information about Google Maps, including the Terms and Conditions, the Privacy Policy, and Legal Notices.



## Places

Google Places uses your location to help you find nearby destinations, such as restaurants, bars, hotels, attractions, ATMs, and gas stations, or you can enter a location.

1. From a Home screen, touch **Applications**  → **Places** .
2. Touch a category or touch **Find places** to enter criteria.
3. Touch a destination to view details and for map and navigation options.

## Google Search

Search the internet, and your device, using the Google search engine.

---


**Tip:** The Google Search widget appears on a Home screen by default. For information about displaying widgets on the Home screen, see “Adding Widgets to the Home screen” on page 19

---


1. From a Home screen, touch the **Google Search** widget



— or —

From a Home screen, touch **Applications** 

→ **Google Search** .

2. Enter search criteria to display matching searches.
3. Touch **Voice Search**  to search using spoken commands.



## Voice Search

Voice Search offers voice-activated Google searches. Voice Search uses your location to improve search results and offer other services.

---

**Tip:** Voice Search is also available on the Google Search widget, which appears on a Home screen by default.

---

1. From a Home screen, touch **Applications**  → **Voice Search** .
2. Touch **Agree** to allow location-based searches or **Disagree** to disallow.
3. Touch **Speak now**, then speak your search criteria slowly and clearly. Google searches for the information and displays results.


## YouTube



View and upload YouTube videos right from your device.

---

**Tip:** The YouTube widget appears on a Home screen by default. For information about displaying widgets on the Home screen, see “*Adding Widgets to the Home screen*” on page 19

---

1. From the Home screen, touch **YouTube** .  
— or —

From a Home screen, touch **Applications**   
→ **YouTube** .

2. The first time you open YouTube, read the Terms of Service, then touch **Accept** to continue.
3. Browse and select videos for viewing.



### YouTube Menu

While browsing or viewing a YouTube page, press the **Menu Key**  for the following options:

- **Home:** Display the main YouTube screen.
- **Browse:** View videos by category such as Comedy, Education, or Music.
- **Search:** Enter criteria to find videos.
- **My Channel:** Add an account and configure account settings.
- **Upload:** Transfer a video from your device to YouTube.

- **Settings:** Configure display and search settings and view information about the application.


### YouTube Settings

1. From the Home screen, touch **YouTube** .
2. Press the **Menu Key**  → **Settings** for the following options:
  - **General settings**
    - **High quality on mobile:** Enable or disable high quality video mode.
    - **Caption font size:** Set the caption font size to **Small**, **Medium**, **Large**, or **Extra Large**.
  - **Search settings**
    - **Clear search history:** Clear previous YouTube searches from displaying in the Search box.
    - **SafeSearch filtering:** Set the video search filter to **Don't filter**, **Moderate**, or **Strict**.
  - **About**
    - **Help:** Displays the YouTube Help web site.
    - **Feedback:** Displays the YouTube feedback form. You must be at least 18 years old to fill out the form.
    - **Google Mobile Terms of Service / YouTube Terms of Service / Google Mobile Privacy Policy / YouTube Privacy Policy:** Tap one of the items to read the selected terms of service or privacy policy information.
    - **Application version:** Displays the YouTube version number.

## Section 7: Music

### Music Player

The Music Player plays songs from an installed memory card.

1. From a Home screen, touch **Music** .
2. Music Player scans your memory card and displays songs on the **All**, **Playlists**, **Albums**, or **Artists** tabs.
3. Touch a song or playlist to begin playback.









4. During playback, use the sound and playlist controls:

- **SoundAlive**: Touch to set SoundAlive options. For more information, refer to “*Music Player Settings*” on page 57.
- **Volume**: Touch to activate on-screen volume control, then touch and drag on the scale to set volume. You can also press the Volume Key on the side of the device to adjust playback volume.

**Note:** Tap the screen to display the Shuffle, Repeat Section, and Repeat icons, the Progress Bar, and time indicators.

- **Shuffle**: When enabled, songs play in random order. When disabled, songs play in the order they appear in List view.
- **Repeat Section**: Touch to select a section you want to repeat. Touch once to set the start of the section (A). Touch again to set the end of the section (B) and start the repeating section. Touch **Clear A-B** to clear and stop the repeating section.
- **Repeat**: Touch to repeat the current song, repeat all songs, or disable repeat mode.
- **Progress Bar**: Touch and drag the end of the progress bar to scan forward or backward through the current song.
- **Time indicators**: The time indicators show, in minutes and seconds, how much of the song has played (left) and the length of the song (right).



- **Playback controls:**

- Touch  to advance to the next song. Touch and hold  to scan forward through the current song.
- Touch  to go back to the previous song. Touch and hold  to scan backward through the current song.
- Touch  to pause playback. Touch  to resume playback.

- **List mode:** Touch to switch to the All tab, which lists all songs.

## Music Player Options

To access additional options while playing a song, follow these steps:

1. From a Home screen, touch **Music** , then touch a song or playlist to begin playback.
2. Press the **Menu Key** .



The follow options are available:

- **Add to quick list / Go to quick list:** Adds the current music file to the Quick list or display the Quick list.
- **Via Bluetooth:** Scan for devices and pair with a Bluetooth headset.
- **Share music via:** Share your music by using AllShare, Bluetooth, Gmail, or Email.
- **Set as alarm tone:** Create an alarm that uses the current song as the tone.
- **Add to playlist:** Add the current music file to a selected playlist.



- **More:** Access the following additional options:

- **Settings:** Change your music player settings. For more information, refer to “*Music Player Settings*” on page 57.
- **Details:** View media information such as artist name, song title, album title, track length, genre, recording date, and so on.



## Creating a Playlist

1. From a Home screen, touch **Music** , then touch the **Playlists** tab.
2. Press the **Menu Key**  → **Create**, then touch the name field to enter a name for the playlist.
3. Touch **Save** to save the new playlist.



## Adding Songs to Playlists

1. From a Home screen, touch **Music** , then touch the **Playlists** tab.
2. Touch a playlist, then press the **Menu Key**  → **Add to playlist**.
3. Touch songs to select them or touch **Select all**.  
A checkmark indicates selected songs.
4. Touch **Add** to add the selected songs to the playlist.

## Adding a song to a playlist during playback

1. From a Home screen, touch **Music** .
2. Touch a song to play it.
3. Press the **Menu Key**  → **Add to playlist**.
4. Choose one of these options:
  - Touch a playlist to add the selected song to the playlist.
  - Touch **Create playlist** to create a new playlist for the song.


## Music Player Settings

1. From a Home screen, touch **Music** .
2. Press the **Menu Key**  → **Settings** for these options:
  - **SoundAlive**: Touch to select a sound effect. Touch **User1** or **User2** to define your own sound settings.
  - **Play speed**: Increase or decrease the playback speed of a music file.
  - **Master EQ**: Set the master equalizer.
  - **Music menu**: Choose the types of menus to display as tabs in Music Player.
  - **Music play screen**: Select a visualization to be displayed during playback.

## FM Radio

The built-in FM radio in your device provides free music from your local FM radio stations. You can manually or automatically scan for stations and create a Station List of your favorite stations.

To use the radio:

1. From a Home screen, touch **Applications**  → **FM radio** .
2. First, set the FM Region. Touch the appropriate region and then touch **Yes** to start the auto preset.

An **Earphone not connected** message displays, if you have not plugged in your headphones, which serves as an antenna for your FM radio.

The FM radio screen displays.

3. Turn the Station Dial clockwise or counter-clockwise to find FM stations as indicated by the Current Radio Station indicator at the top of the display.
4. Touch one of the Favorites indicators (+) to set the current station as a favorite. The station is also added to the Station List.



5. Touch the Previous Preset Station button (<) or the Next Preset Station button (>) to step through the stations in the Station List.

---

**Note:** If no stations have been preset, these buttons step through each available station.



---

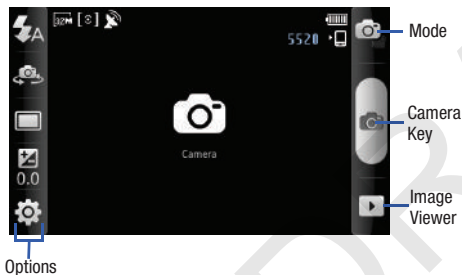
6. Touch the Earphones / Speakers button to toggle between the headset and the device speakers.
  7. Touch the Mute / Unmute button to turn on or turn off the sound.
  8. Press the **Menu Key** (≡) to display the following options:
    - **Scan:** Removes the existing Station List, if one exists, scans for FM stations, and adds them to the Station List.
    - **Remove:** Allows you to delete the Favorites that have been set. Touch the delete button (⊖) associated with each favorite you want to delete. Touch **Done** when you are finished.
    - **FM Region:** Touch the region that best describes where you are using FM radio.
  9. Touch **Station list** to display the list of preset stations. Favorite stations are marked with a star. Press the **Menu Key** (≡) to display the following options
    - **Remove:** Touch **Select all** or touch individual stations to remove from the Station List. Touch **Delete** once you have made your selection.
    - **Rename:** Touch the station you want to rename, enter the new name, and touch **Done**.
- Touch **Close** to exit the Station list.

## Section 8: Photos and Videos

### Camera



Use your device's built-in camera to take photos and record video.

- ▶ From a Home screen, touch **Applications** .  
→ **Camera** .



**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.

### Taking Photos

1. From a Home screen, touch **Applications** .  
→ **Camera** .
2. Using the display as a viewfinder, compose your photo by aiming the lens at the subject. To configure settings, see “*Camera Options*” on page 60.
3. To take the photo, touch the **Camera Key**.
4. After taking a photo, touch **Image Viewer** to view the photo.

While viewing the photo, use these options:

- Pinch the screen or double-tap on the screen to zoom all the way in or out. For more information, refer to “*Pinch*” on page 17.
- Touch the screen to display the following options:
  - **Share:** Send the photo by using **AllShare**, **Bluetooth**, **Email**, **Gmail**, or **Picasa**.
  - **Set as:** Assign the photo as **Contact icon** or **Wallpaper**.
  - **Delete:** To erase the photo, touch **OK**.
- Press the **Back Key**  to return to the Camera to take more photos.

**Tip:** Touch the photo to show or hide Image Viewer options.

## Camera Options

Camera options are represented by icons on the left side of the screen. While in Camera mode, touch the following icons to configure the camera:



**Flash:** Choose a flash mode from Off, On, or Auto flash.



**Self shot:** Touch to switch to the front-facing camera lens and take a photo of yourself.



**Shooting mode:** Choose an automatic shooting mode, from:

- **Single shot:** Take a single photo.
- **Smile shot:** Touch the Camera button to automatically focus on the subject's face and take the photo.
- **Panorama:** Touch the Camera button to take a photo, then use the on-screen guideline to move the viewfinder and take the next 7 shots automatically.
- **Action shot:** detects action and creates a panorama of the moving object.



**Exposure value:** Set the brightness of the photo.



**Settings:** Tap  for the following options:

- **Outdoor visibility:** allows you to take better pictures when outdoors.
- **Macro:** Set Macro mode to take close-up pictures. Face detection causes the camera to automatically recognize if there is a face in the shot. It then optimizes the focus and exposure the face.
- **Scene mode:** Choose an automatic scene mode from None, Portrait, Landscape, Night, Sports, Party/Indoor, Beach/Snow, Sunset, Dawn, Fall color, Firework, Text, Candlelight, or Backlight.
- **Timer:** Set a 2, 5, or 10 second timer.
- **Resolution:** Set a size for the image. Options are: 3.2M (2048x1536), 2.4M (2048x1232), 2M (1600x1200), 1.5M (1600x960), 0.3M (640x480), or 0.4M (800x480).
- **White balance:** Set the light source. Options are: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.
- **Effects:** Apply an effect to photos. Options are: Normal, Negative, Black and white, or Sepia.
- **Metering:** Set how the camera measures or meters the light source: Centre-weighted, Spot, or Matrix.



- **Image quality:** Choose a quality setting for photos. Options are: Superfine, Fine, or Normal.
- **Adjust:** Used to adjust Contrast, Saturation, and Sharpness.






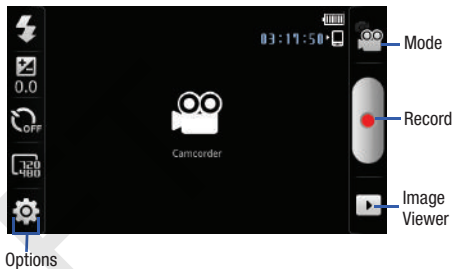
**Settings:** Tap  for the following options:

- **Guidelines:** Used to enable or disable the guidelines.
- **Review:** Activate the instant review feature, which displays images immediately after capture (On or Off, or 2 seconds for Camera mode).
- **Shutter sound:** Enable or disable one of the camera's three shutter sounds.
- **Storage:** Set the storage location. Options are: Internal memory or memory card.
- **Reset:** Set all Camera settings back to the defaults.

## Camcorder

Use your device's built-in Camcorder to record high-definition video in 720p resolution.

1. From a Home screen, touch **Camera** .
2. Tap the **Mode** icon to switch from the Camera  to the Camcorder .











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**Important!** Do not take videos of people without their permission.  
Do not take videos in places where cameras are not allowed.  
Do not take videos in places where you may interfere with another person's privacy.

---

## Capturing Video

1. From a Home screen, touch **Camera** .
2. Tap the **Mode** icon to switch from the Camera  to the Camcorder .
3. Using the display as a viewfinder, compose your shot by aiming the lens at the subject. To configure settings, see “Camcorder Options” on page 62.

4. To start recording, touch **Record** . During recording, the button changes to **Pause** . Touch **Pause** to temporarily stop recording. To resume recording, touch **Record**  again.
5. To stop recording, touch the **Stop**  button.
6. After recording, touch **Image Viewer**  to review your videos. The first frame of each video is displayed.
7. Sweep across the screen to review all videos. While reviewing the videos:
  - Double-tap on the video to zoom all the way in or out.
  - Touch the screen to display the following options:
    - **Share**: Send the video by using AllShare, Bluetooth, Email, Gmail, or YouTube.
    - **Play**: Play video being displayed.
    - **Delete**: Erase the video being displayed.
  - Press the **Back Key**  to return to the Camcorder.

---

**Tip:** Touch the video to show or hide Image Viewer options.

---

## Camcorder Options

Configure the camcorder.

Camcorder options are represented by icons on the left side of the screen. While in Camcorder mode, touch the following icons to configure the camcorder:



**Flash:** Choose a flash mode from Off or On.



**Exposure value:** Set the brightness of the video.



**Timer:** Set a timer for how long to wait before recording a video. Options are: Off, 2 sec, 5 sec, and 10 sec.



**Resolution:** Set the video size to either: 720x480, 640x480, or 320x240.



**Settings:** Tap  for the following options:

- **Outdoor visibility:** allows you to take better videos when outdoors.
- **White balance:** Set the light source. Options are: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.
- **Effects:** Apply an effect to videos. Options are: Normal, Negative, Black and white, or Sepia.





- **Video quality:** Choose a quality setting for videos. Options are: Superfine, Fine, or Normal.
- **Adjust:** Used to adjust Contrast, Saturation, and Sharpness.

**Settings:** Tap  for the following options:

- **Guidelines:** Used to enable or disable the guidelines.
- **Audio recording:** Enable to record sound along with video.
- **Review:** Enable or disable the instant review feature, which displays videos immediately after capture.
- **Storage:** Set the storage location. Options are: Internal memory or Memory card.
- **Reset:** Set all Camcorder settings back to the defaults.

## Videos

Your device's 5-inch 800x480 Super Clear LCD touch screen provides playback of videos. Use Videos to view and manage videos stored on an installed memory card.

1. From a Home screen, touch **Videos** .
2. While viewing the Videos list, press the **Menu Key**  for options:
  - **Remove from list:** Touch videos to select them or touch **Select all** to remove all videos.
  - **List by:** Display videos by Size, Name (default), Date, or Type.
3. Touch a video to play it. While playing a video, touch the screen to display or hide on-screen playback controls.
4. During playback, press the **Menu Key**  for options:
  - **Share video:** Send the video by AllShare, YouTube, Bluetooth, Email, or Gmail.
  - **SoundAlive:** Choose your audio preference. Options are: Normal, Voice, 5.1 ch, or Theater.
  - **Details:** Provides details about the photo such as File name, Format, Resolution, File size, Date & Time, and Forwarding.
  - **Add bookmark:** Add a bookmark to this video.
  - **Bookmarks:** Display Bookmarks for the video. To delete Bookmarks tap **Delete**, tap each Bookmark you want to delete, and tap **Done**.










- **More:**
  - **Via Bluetooth:** Scans for a Bluetooth device on which to play the video.
  - **Play speed:** Use the slider to adjust the video play speed.
  - **Settings:** Set the video to repeat and set color tone to Normal, Warm, or Cold.

While viewing a video, you can also adjust the screen view. Screen view allows you to select Original Size, Full-Screen, or Full-Screen in Ratio to view your video.

---

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

---

- **Original Size** (): Play the video in its original size.
- **Full-Screen in Ratio View** (): Enlarge the video as much as possible without becoming distorted.
- **Full-Screen View** (): Use the entire screen, which may cause some minor distortion.
- **Pause/Resume:** Tap  to pause the video being played. Tap  to resume playing.
- **Previous/Next:** Tap  to jump to the previously played video or tap  to jump to the next video file in the Videos folder.
- **Brightness:** Tap  to display the brightness slider, then touch and drag the slider to set the brightness of the video.
- **Volume:** Tap  to display the volume slider, then touch and drag the slider to set the volume of the video.

- **Exit:** To return to the videos list, tap  in the top right corner of the screen.

## Gallery


Your device's 5-inch 800x480 Super Clear LCD touch screen provides high-resolution display of photos and videos.

Use Gallery to view, capture, and manage photos and videos.

## Gallery Options


When you open the Gallery, various photo and video folders are displayed. The folders can be on your device or on your external memory card.

To manage these folders:

1. From a Home screen, touch **Applications**  → **Gallery** .
2. Press the **Menu Key** .

**Select all** and **Unselect all** appears at the top of the screen.

Checkmarks also display on each folder of pictures or videos.

3. Touch **Select all** or touch the folders you want to select (the checkmark turns white  when a folder is selected), then touch one of these options:

- **Share:** Send each selected folder and its contents by Bluetooth, Picasa (photos), YouTube (videos), Email, or Gmail.
- **Delete:** Touch **Confirm deletions** to delete the selected folders.
- **More:**
  - **Details:** Displays details about the folders selected.

4. Touch a folder to display the folder's contents.

5. Press the **Menu Key** .




**Select all** and **Unselect all** appears at the top of the screen. Checkmarks also display on each picture or video.

6. **Select all** or touch the pictures or videos you want to select (the checkmark turns white  when an item is selected), then touch one of these options:



- **Share:** Send each selected item by AllShare, Picasa (photos), YouTube (videos), Bluetooth, Gmail, or Email.
- **Delete:** Touch **Confirm deletions** to delete the selected items.
- **More:**
  - **Details:** Displays details about the items selected.

## Access the Camera from Gallery

To access the Camera from the Gallery:

1. From a Home screen, touch **Applications**   
→ **Gallery** .
2. Touch  at the top of the screen. For more information, refer to “Camera” on page 59.


## Viewing Videos

1. From a Home screen, touch **Applications**   
→ **Gallery** .
2. Touch a category, then touch a video to play it.

---



**Note:** Videos are marked with a Play  button.

---



3. While viewing a video, press the **Menu Key**  for these options:
  - **Share video:** Send the video by AllShare, YouTube, Bluetooth, Gmail, or Email.
  - **Details:** Displays details about the video such as File name, Format, Resolution, File size, Date & Time, and Forwarding.
  - **Via Bluetooth:** Scans for a Bluetooth device on which to play the video.

For more information, refer to “Videos” on page 63.



## Viewing Photos

1. From a Home screen, touch **Applications**   
→ **Gallery** .
2. Touch a category, then touch a photo to view it.
3. While viewing a photo, touch the screen for these options:
  - **Slideshow:** Touch to view a slideshow of photos.
  - **Menu:** Touch to display the following options:
    - **Share:** Share the selected photo by AllShare, Picasa, Bluetooth, Gmail, or Email.
    - **Delete:** Touch **Confirm deletions** to delete the selected folders.
    - **More:** Touch for more options:
      - **Details:** Display details about the photo.
      - **Show on map:** Show on a map where the picture was taken.
      - **Set as:** Use the picture as Wallpaper or as a Contact icon.
      - **Crop:** Allows you to crop the image. Touch and drag the sides of the crop box to create the crop area, then touch **Save**. Touch **Discard** to stop without cropping the picture.
      - **Rotate left:** Allows you to rotate the picture counterclockwise 90 degrees.
      - **Rotate right:** Allows you to rotate the picture clockwise 90 degrees.

## Setting a Photo as a Contact Icon





1. From a Home screen, touch **Applications**   
→ **Gallery** .
2. Touch a category, then touch a photo to select it.
3. Touch **Menu** → **More** → **Set as** → **Contact icon**.
4. Tap a contact entry, crop the picture, if necessary, and tap **Save** to save the selected photo as the contact's icon.

## Setting a Photo as Wallpaper

1. From a Home screen, touch **Applications**   
→ **Gallery** .
2. Touch a category, then touch a photo to select it.
3. Touch **Menu** → **More** → **Set as** → **Wallpaper**.
4. Tap and drag the edges of the crop box inward or outward to edit the photo, then touch **Save** to set the edited photo as the Home screen wallpaper.

## Sharing Photos and Videos

Share photos and videos with your friends.

1. From a Home screen, touch **Applications**   
→ **Gallery** .
2. Touch a category to display thumbnails, then select items for sharing:
  - To select an entire category, press the **Menu Key**  while viewing categories, then touch **Select all → Share**.
  - To select multiple photos or videos from a category, press the **Menu Key**  while viewing the thumbnails. Touch thumbnails to mark them for sharing, then touch **Share**.
3. Touch **AllShare**, **YouTube** (videos only), **Picasa** (photos only), **Bluetooth**, **Gmail**, or **Email**, then follow the prompts.

## Section 9: Connections

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Your device includes features to connect to the internet and to other devices by using Wi-Fi, Bluetooth, or a USB cable. Your device also supports removable microSD™ or microSDHC™ memory cards for storing music, photos, videos, and files.

### Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks. Use your device's Wi-Fi feature to:

- Access the internet for browsing or to send and receive email.
- Access your corporate network.
- Use hotspots provided by hotels or airports while traveling.

Wi-Fi communication requires access to an existing Wireless Access Point (WAP). WAPs can be Open (unsecured, as with most hotspots) or Secured (requiring you to provide login credentials). Your device supports the 802.11 b/g/n Wi-Fi protocol.

### Configuring Wi-Fi Settings

For more information about configuring your device's Wi-Fi settings, see *"Wi-Fi Settings"* on page 90.

Finding Wi-Fi Networks

You can have your device automatically notify you of available networks. For more information, refer to *"Network Notification"* on page 91.

### Turning Wi-Fi On or Off

Turn your device's Wi-Fi service on or off. When you turn Wi-Fi service on, your device automatically searches for available, in-range WAPs (Wireless Access Points).

#### Turning Wi-Fi On

1. From any screen, sweep your finger downward from the top to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.

#### Turning Wi-Fi Off

1. From any screen, sweep your finger downward from the top to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi Off.




## Scanning and Connecting to a Wi-Fi Network

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

1. From any screen, sweep your finger downward from the top to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On. Your device automatically scans for available Wireless Access Points.
3. When the scan is complete, touch a Wi-Fi network to connect. If the Wi-Fi network is open, your device automatically connects. If the Wi-Fi network is secured, enter the password at the prompt to connect.

## Adding a Wi-Fi Network Manually

1. From a Home screen, press the **Menu Key**  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. Touch **Add Wi-Fi network**, then enter information about the network:
  - **Network SSID**: Enter the name of the Wi-Fi Wireless Access Point.
  - **Security**: Select the type of security used by the WAP.
  - **Password**: If the WAP is secured, enter the password or hex key.

---

**Note:** Depending on the Security protocol used by the WAP, additional network information may be required.

---

4. Touch **Save** to save the settings.

## Bluetooth

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet.

You do not need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

## Configuring Bluetooth Settings

Configure your device's Bluetooth settings. For more information, refer to "*Bluetooth Settings*" on page 92.

## Turning Bluetooth On or Off

### Turning Bluetooth On

1. From any screen, sweep your finger downward from the top to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth on.

---

**Note:** When Bluetooth is on, the **Bluetooth** icon  displays in the Status Bar.

---

## Turning Bluetooth Off

1. From any screen, sweep your finger downward from the top to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth off.


## Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your device and the target device.

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**Tip:** After pairing, your device and the target device recognize each other and exchange information without having to enter a passcode or PIN.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Wireless and network** → **Bluetooth settings**.
2. Touch **Bluetooth** to turn on Bluetooth.
3. Enable the target device's discoverable or visible mode.
4. Touch **Scan devices**.
5. From the list of scanned devices, touch the target device, then 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 attempts to pair with the device automatically. Follow the prompts on your device and the target device to complete the pairing.

## Samsung Kies

Samsung Kies is a software that enables you to update your device firmware by connecting to the PC.

To learn more about Samsung Kies and Samsung applications, browse featured applications and download Kies at:  
[www.samsungapps.com](http://www.samsungapps.com).

## Connecting With Samsung Kies

1. Install Samsung Kies software on your PC.
2. From a Home screen, press the **Menu Key**  → **Settings** → **Applications** → **Development** → **USB debugging**.  
Make sure this setting is *not* checked.
3. Using an optional PC data cable, connect the multifunction jack on your device to a PC.  
Your computer recognizes the connection and displays the USB mass storage screen.
4. Touch **Connect USB storage**.

5. Run Samsung Kies and follow the prompts to update your device firmware.
6. Refer to Samsung Kies Help for more information.

## Memory Card

Your device supports removable microSD™ or microSDHC™ memory cards for storing music, photos, videos, and files.

### Installing and Removing a Memory Card

For more information about installing and removing a memory card, see “Memory Card” on page 7.

---


**Important!** To prevent damage to information stored on the memory card, always unmount the card before removing it from the device.

---

### Formatting a Memory Card

Formatting erases all content from the memory card and prepares it for use with your device.

#### Formatting a memory card using your device

1. From a Home screen, press the **Menu Key**  → **Settings** → **SD card and device storage**
2. Touch **Unmount SD card**.
3. After unmounting the SD card, touch **Format SD card**.
4. Follow the prompts to confirm the formatting of the card.

#### Formatting a memory card using your computer

Consult your computer and/or memory card reader documentation for information about formatting memory cards.

#### Synchronizing with Windows Media Player

Ensure that Windows Media Player is installed on your PC.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Applications** → **Development** → **USB debugging**.

Make sure this setting is *not* checked.

2. Attach your device to the computer with the USB cable.
3. Open **Windows Media Player** to synchronize music files.
4. Edit or enter your device's name in the pop-up window.
5. Select and drag the music files you want to the sync list and begin synchronizing.


#### Connecting as a Mass Storage Device

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

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**Note:** The file directory of the memory card displays as folder `external_sd`, separate from the internal memory.

---

1. Insert a memory card into the device to transfer files from or to the memory card.
2. From a Home screen, press the **Menu Key**  → **Settings** → **Applications** → **Development** → **USB debugging**.  
Make sure this setting is *not* checked.
3. Attach your device to the computer with the USB cable.  
Your computer recognizes the connection and displays the USB mass storage screen.

4. Touch **Connect USB storage**.

A pop-up window displays on the PC when connected.

5. Open the folder to view files.
6. Copy files from the PC to the memory card.
7. When finished, touch the **Turn Off** to quit mass storage mode. Disconnect the USB cable.

## Section 10: Applications and Widgets

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

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**Tip:** To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *"Adding Shortcuts from Applications"* on page 21.

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### GPS Applications

GPS applications allow you to achieve real-time, GPS-enabled, turn-by-turn navigation and to access local searches based on a variety of category parameters.

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

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

Global GPS turn-by-turn navigation, mapping, and Point of Interest content is available for three continents, including North America (U.S., Canada, and Mexico), Western Europe, and China, where wireless coverage is available.

---

**Important!** If you touch or cover the internal GPS antenna while using GPS services, it may impede the GPS signal resulting in the GPS services not working in an optimal manner. Refer to the following diagram to locate the approximate location of the internal GPS antenna.

---






## Alarm/Clock

Use Alarm/Clock to set an alarm, view the World clock, or access the Stopwatch or Timer.

### Alarm

Set alarms for reminders or for wake-up times.



#### Setting Alarms

1. From a Home screen, touch **Applications**  → **Alarm/Clock** .
2. Touch the **Alarm** tab at the top of the Alarm/Clock screen.
3. Touch **Create alarm** or press the **Menu Key**  → **Create**.
4. Touch fields to configure the alarm:
  - **(Time)**: Set a time for the alarm to sound.
  - **Alarm repeat**: Choose One-time event, days, Daily, Every weekday (Mon-Fri), or Weekly for the alarm to repeat.
  - **Alarm name**: Enter a name for the alarm.
  - **Snooze**: Set a snooze duration of 3, 5, 10, 15, or 30 minutes or a snooze repeat of 1, 2, 3, 5, or 10 times.
  - **Smart alarm**: Set an alarm duration of 3, 5, 10, 15, or 30 minutes and a tone. Tone possibilities are: Morning, Breeze, Mist, Forest, Light, and Rain.
  - **Alarm type**: Choose an alarm type of Melody, Vibration, or Vibration and melody.




- **Alarm tone**: Set an alarm tone from Sounds or Go to My files. Use the slider to hear and set the alarm volume.

5. Touch **Save** to save the alarm.

#### Editing an Alarm

1. From a Home screen, touch **Applications**  → **Alarm/Clock** .
2. Touch an alarm in the list of alarms.
3. Touch and edit the desired fields as described in “*Setting Alarms*” on page 74.

#### Deleting Alarms

1. From a Home screen, touch **Applications**  → **Alarm/Clock** .
2. Press the **Menu Key**  → **Delete**.
3. Touch alarms to mark them for removal or touch **Select All**.
4. Touch **Delete** to remove the selected alarms.


## World Clock

View the date and time in any time zone.

1. From a Home screen, touch **Applications**  → **Alarm/Clock** .
2. Touch the **World clock** tab at the top of the Alarm/Clock screen.
3. Touch **Add city** or press the **Menu Key**  → **Add**.
4. Choose a city by typing a city name or scrolling through the list.
5. Press the **Menu Key**  for the these additional options:
  - **Delete:** Select cities to remove from the display.
  - **DST settings:** Touch  for a city to set daylight savings time.
  - **Change order:** Touch the buttons  on an entry and drag the entry to a new position in the list. Touch **Save** to change the order.

## Stopwatch



You can use this option to measure intervals of time.

1. From a Home screen, touch **Applications**  → **Alarm/Clock** .
2. Touch the **Stopwatch** tab at the top of the Alarm/Clock screen.

3. Touch **Start** to start the stopwatch and touch **Lap** to mark a unit of time per lap.
4. Tap **Stop** to stop the stopwatch.
5. Tap **Restart** to continue or tap **Reset** to erase all times recorded.

## Timer

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

1. From a Home screen, touch **Applications**  → **Alarm/Clock** .
2. Touch the **Timer** tab at the top of the Alarm/Clock screen.
3. The **min** field is highlighted and set to 1 minute. Use the keypad to set the number of minutes you want.
4. Touch the **hr** field to set hours, if desired. As you touch different fields, they are highlighted.
5. Touch the **sec** field to set seconds.
6. Touch **Start** to begin the timer and touch **Stop** to pause the timer.

7. After stopping, touch **Restart** to continue or touch **Reset** to set the timer back to 1 minute.

## AllShare

Use AllShare to share multimedia content from your device through Wi-Fi with DLNA (Digital Living Network Alliance) certified devices. With AllShare, you can:

- Play multimedia content from your device on another player, such as a Wi-Fi-capable TV or other playback device.
- Play multimedia content from another source, such as a wireless media server, on your device.
- Play multimedia content from another source, such as a wireless media server, on another device. Your device retrieves content from the source and uses Wi-Fi to deliver it to another device and acts as a remote to control playback.



---

**Note:** AllShare uses your device's Wi-Fi services. For more information about Wi-Fi, see "Wi-Fi" on page 68.

---

## Configuring AllShare

Configure AllShare settings to identify your device as a server, connect to Wi-Fi, and set treatment of copied files.

1. From a Home screen, touch **Applications**   
→ **AllShare** .

2. Touch **Settings** to configure these settings:

- **Media server name:** Use the keypad to enter a new media server name, if desired (the default is your device's default name), then touch **Save**.
- **Share media:** Allows you to restrict what is shared from your device. Touch the items you want to share and touch **OK**.
- **Access point network:** Turn on your Wi-Fi service and connect to an available Wi-Fi Access Point.
- **Upload from other devices:** Set your device's treatment of files copied from other devices. Choose from **Always accept**, **Always ask**, or **Always reject**, then touch **OK**.
- **Default memory:** Choose the default location for saving downloaded files, from **Internal memory** or **SD card**.

3. Touch one of the following options:


- **Play file from my device on another player:** You can enjoy multimedia content saved on your device on your TV or Hi-Fi. You can then use your device like a remote control.
- **Play file from server on my device:** You can enjoy multimedia content saved on other devices, such as your PC or laptop, on your device.
- **Play file from server on another player via my device:** You can enjoy multimedia content saved on your PC or laptop using other devices like your TV or Hi-Fi. You can then use your device like a remote control.



4. Follow the on-screen instructions.



## Calculator

The calculator provides the basic arithmetic functions: addition, subtraction, multiplication, and division. You can also use this as a scientific calculator.

1. From the Home screen, touch **Calculator** .  
— or —

From the Home screen, touch **Applications**   
→ **Calculator** .

2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by touching the + (add), - (subtract), × (multiply), or ÷ (divide) key.
4. Enter the next number.
5. To view the result, touch the = (equals) key.
6. Repeat steps 3 through 5 as many times as required.

Rotate your device to display the scientific calculator in landscape mode.



## Calendar

Record events and appointments to manage your schedule.




1. From a Home screen, touch **Applications**   
→ **Calendar** .
2. Touch a tab to choose a calendar view:
  - **Month:** Display the current month and scroll to other months.
  - **Week:** Display the current week and scroll to other weeks.
  - **Day:** Display today's schedule and scroll to other days.
  - **List:** Display events in a chronological list.
3. Press the **Menu Key**  for these options:
  - **Search:** Search the calendar for a particular word or words.
  - **Create:** Create a new event for any day or time period.
  - **Go to:** Display a specific date.
  - **Today:** Displays today's date, if it is not already being displayed.
  - **Delete:** Delete an event.
  - **Settings:** Customize the calendar. For more information, refer to *"Customizing the Calendar"* on page 78.

## Creating a Calendar Event

To create a calendar event:

1. From a Home screen, touch **Applications**  → **Calendar** .
2. Tap the date for which you want to enter an event.
3. Enter the event information in the Create event screen, then touch **Save**.

## Customizing the Calendar

1. From a Home screen, touch **Applications**  → **Calendar** .
2. Press the **Menu Key**  → **Settings** to configure settings:
  - **View settings:**
    - **Calendars:** View all your calendars.
    - **Calendar sync:** Synchronize calendars from multiple accounts.
    - **Default view:** Set the view to display when you open the Calendar.
    - **Day views:** Set how the Day views should be formatted, either **Time grid** or **Event list**.
    - **First day of week:** Choose whether **Sunday** or **Monday** is the first day of the week.
    - **Hide declined events:** Enable or disable display of events.
    - **Time zone synchronisation:** Enable or disable the conversion of event time to time zone of your current location.

- **Notification settings:**

- **Set alerts & notifications:** Set alert behavior for calendar notifications.
- **Vibrate:** Set vibration behavior for calendar notifications.
- **Select ringtone:** Choose a tone for calendar notifications.


## Sending Calendar Events

Send events as vCalendar files by using Bluetooth or as attachments to Email.

---

**Note:** Depending on the type of event, the **Send via** option may not be available.

---

1. From a Home screen, touch **Applications**  → **Calendar** .
2. Touch an event, then press the **Menu Key**  → **Send via**.
3. Choose a sending method:
  - **Bluetooth:** For more information about Bluetooth pairing and sending, see *“Pairing with a Bluetooth Device”* on page 70.
  - **Email:** This option is displayed once an email account has been added. For more information, refer to *“Email”* on page 41.


## Camera

Take photos and record video with your device's built in Camera. For more information, refer to “*Camera*” on page 59.

---

**Tip:** A shortcut to Camera appears on a Home screen by default.

---

- ▶ From a Home screen, touch **Applications**  → **Camera** .



## Contacts

Store contact information for your friends, family and colleagues, to quickly access information or to send a message. For more information, refer to “*Contacts*” on page 29.

---


**Tip:** A shortcut to Contacts appears on a Home screen by default.

---

- ▶ From a Home screen, touch **Applications**  → **Contacts** .

## Dual Clock

Display the date and time for two different locations.

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Widgets** → **Dual clock** .

The Dual clock widget displays, which is actually two widgets. Each widget displays the digital time, the date, and a city name.

3. Touch either widget to choose a different city than the one currently displayed.



## Email

Send and receive email using popular email services. For more information, refer to “*Email*” on page 41.

---

**Tip:** Email appears as a Primary Shortcut on a Home screen by default.

---

- ▶ From a Home screen, touch **Applications**  → **Email** .

## FM Radio

The built-in FM radio in your device provides free music from your local FM radio stations. For more information, refer to “*FM Radio*” on page 57.

- ▶ From a Home screen, touch **Applications**    
→ **FM radio** .



## Gallery

Use Gallery to view, capture, and manage photos and videos. For more information, refer to “*Gallery*” on page 64.

---




**Tip:** A shortcut to Gallery appears on the Main Home screen by default.

---

- ▶ From a Home screen, touch **Applications**    
→ **Gallery** .

## Gmail

Send and receive emails with Gmail, Google’s web-based email. For more information, refer to “*Gmail*” on page 39.

- ▶ From the Home screen, touch **Gmail** .   
– or –   
From a Home screen, touch **Applications**    
→ **Gmail** .




## Google Search

Search the internet, and your device, using the Google™ search engine. For more information, refer to “*Google Search*” on page 53.

---

**Tip:** The Google Search widget appears by default on a Home screen. For information about displaying widgets on the Home screen, see “*Adding Widgets to the Home screen*” on page 19.

---

- ▶ From a Home screen, touch  **Google Search**.   
– or –   
From a Home screen, touch **Applications**    
→  **Google Search**.

## Internet

Your device includes a full HTML Browser, to access the internet. For more information, refer to “*Internet*” on page 46.

---

**Tip:** By default, Internet appears as a Primary Shortcut on a Home screen.



---

- ▶ From a Home screen, touch **Internet** .

## Latitude

With Google Latitude, you can see the location of all of your friends on a map or on a list. You can also share or hide your location.

You must first set up your device to use wireless networks to help pinpoint your location. Also, Latitude works best when Wi-Fi is enabled.

- ▶ From a Home screen, touch **Applications** .  
→ **Latitude** .




## Maps

Use Google Maps to find your current location, get directions, and other location-based information. For more information, refer to “Maps” on page 51.

---

**Tip:** A shortcut to Google Maps appears on the Main Home screen by default.

---

- ▶ From a Home screen, touch **Maps** .  
— or —  
From a Home screen, touch **Applications** .  
→ **Maps** .


---



**Note:** You must enable location services to use Maps. Some features require Standalone or Google location services. For more information, refer to “Location and Security” on page 96.

---

## Market

Browse for new Android applications, games, or downloads for your device. You must have a Google account set up on your device to download a new application.

1. From a Home screen, touch **Market** .  
— or —

From a Home screen, touch **Applications** .  
→ **Market** .

2. The first time you open Market, read the Terms of Service, then touch **Accept** to continue.
3. Browse for items to install:
  - **Apps:** New applications.
  - **Games:** New games.
  - **My apps:** New downloads and updates to applications installed on your device.




4. While browsing, press the **Menu Key**  for the following options:

- **Search:** Enter criteria to find applications.
- **Downloads:** Display requested downloads plus available updates to applications installed on your device.
- **Help:** Get help for using Android Market.
- **Home:** Display the main Market screen.

## Memo

Create and manage text memos and use Bluetooth to send memos to paired Bluetooth devices.




### Composing a Memo

1. From a Home screen, touch **Applications**   
→ **Memo** .
2. Touch **Create memo**.  
– or –  
Press the **Menu Key**  → **Create**.
3. Compose the memo, then touch **Save**.

For more information, refer to “Using the Samsung Keypad” on page 36.


## Memo List Options

While viewing the list of Memos:

1. Press the **Menu Key**  for the following options:
  - **Create:** Create a new memo.
  - **Maximise / Minimise:** Show a maximum or minimum number of lines for each memo.
  - **Delete:** Select one or all memos and touch **Delete**.
  - **Search:** Find a word or words in your memos.
2. Touch and hold a memo in the list to display the following option:
  - **Send via:** Touch **Bluetooth** or **Email** to send the memo by the selected method. For more information, refer to “Bluetooth” on page 69.
3. Touch **Edit**  on a memo in the list to open and edit the memo.
4. Touch **Delete**  on a memo to display the **Delete** option. Touch **OK** to delete the selected memo.

## Memo Options

While editing a Memo:

1. Touch one of the color examples at the bottom of the screen to change the color of the memo being displayed. Touch **Save** to accept the color.
2. Press the **Menu Key**  for the following option:
  - **Send via:** Touch **Bluetooth** or **Email** to send the memo by the selected method. For more information, refer to “*Bluetooth*” on page 69.



## Mini Diary


Use Mini Diary to record daily happenings.

---

**Note:** Mini Diary includes weather information for your location. Sending location details to get weather information requires connection to the network, and may incur charges.

---

1. From the Home screen, touch **Applications**  → **Mini Diary** .  
The Select city screen displays.
2. Touch **Add**, enter a city to search for, touch the desired city, and touch **Add**.

3. Touch **Create diary**.
4. Touch **Tap to add photo** to add a photo, then touch **Camera** to take a new picture or touch **Images** to choose a picture from the Gallery.
5. Touch **Add location** to enter a location. Touch **Done** to save the location or **Cancel** exit without saving.
6. Touch **Tap to create memo** to enter a text memo. Touch **Done** to save the memo or **Cancel** exit without saving.
7. Touch the weather icon  in the upper left corner and select a weather condition from the list or touch **AccuWeather.com** to check the latest weather data.
8. Touch **Save** to save your diary entry.




---

**Tip:** Mini Diary is also available through the Days Samsung Widget, to display diary entries right on the Home screen. For information about displaying widgets on the Home screen, see “*Adding Widgets to the Home screen*” on page 19.

---

## Publishing a Diary Entry

You can publish your diary entries to Facebook.

1. From the Home screen, touch **Applications**  → **Mini Diary** .
2. Touch a diary entry to display it, then touch **Menu Key**  → **Publish**.
3. Choose **Facebook** or **MySpace**, then follow the prompts to update your status.

---

**Note:** If you have not set up your Facebook or MySpace account, you will be asked to do so before you can publish your diary entries.

---

## Music

Play music files from an installed memory card. For more information, refer to “*Music Player*” on page 55.

---

**Tip:** A shortcut to Music Player appears on a Home screen by default.

---

- From a Home screen, touch **Music** .

## My Files

Find, view, and manage folders and files stored on an installed memory card. If the file is associated with an application on your device, you can launch the file in the application.

1. From a Home screen, touch **Applications**  → **My Files** .
2. Touch a folder and scroll down or up until you locate a file.
3. Touch a file to launch it in the associated application, if the file is associated with an application.
4. While browsing files, touch **Up**  to go to a higher directory or press the **Menu Key**  for these options:
  - **Share:** Touch **AllShare**, **Picasa**, **Bluetooth**, **Gmail**, **Email**, or **YouTube**, select files, and touch **OK** to send the selected files.
  - **Create folder:** Create a new folder for storing files.
  - **Delete:** Select one or more files or folders to delete.
  - **View by:** Select how you want to view your files. Options are: **List**, **List and details**, or **Thumbnail**.
  - **List by:** Select how you want to list your files. Options are: **Time**, **Type**, **Name**, or **Size**.



- **More:** Select from these additional options:
  - **Move:** Move files or folders to a new location.
  - **Copy:** Copy files or folders to a new location.
  - **Rename:** Select and rename files or folders.
  - **Bluetooth visibility:** Enable or disable Bluetooth visibility of files.
  - **Settings:** Use this option to enable or disable **Show hidden files** and **Show file extension**. Also, touch **Set Home directory** to set or create a home directory.



## Navigation

Use Google Navigation to find a destination and get walking or driving directions. For more information, refer to “*Navigation*” on page 52.

- From a Home screen, touch **Applications** 
  - **Navigation** .

## Places

Google Places uses your location to help you find nearby destinations, such as restaurants, bars, hotels, attractions, ATMs and gas stations, or you can enter a location. For more information, refer to “*Places*” on page 53.

- From a Home screen, touch **Applications** 
  - **Places** .

## Power Control

Active applications, Wi-Fi, Bluetooth, GPS, Synchronization, or the LCD Brightness functionality all act to drain your battery.

The Power Control widget is designed to quickly activate (turn on) or deactivate (turn off) those functions or applications that use the most battery power.

The following is a list of helpful tips that can help conserve your battery power:

- Reduce your backlight time.
- Turn off Bluetooth, Wi-Fi, and Synchronization when not in use.
- Deactivate the GPS when it is not needed. Most applications that use this function periodically query the GPS satellites for the current location. Each query drains your battery.
- Turn off Automatic application synchronization.
- Close any applications that may be running in the background (such as Music Player).

To use the Power Control shortcut bar:

1. From the Home screen, touch and hold an empty area until the **Add to Home screen** menu displays.
2. Touch **Widgets** → **Power control**.

The Power Control shortcut is added to the Home screen.

3. Touch one of the icons on the Power Control widget to activate the application (Wi-Fi, Bluetooth, GPS, Synchronization, or LCD Brightness).





A green bar displayed beneath the icon means the application is activated (turned on).

4. Touch one of the icons a second time to deactivate the application.

The green bar is removed from beneath the icon, which means the application is deactivated (turned off).

## Qik Manual

Before you begin using the Qik Video application, read through the Qik manual right on your device. It contains the instructions you need to use the Qik Video application.

1. From the Home screen, touch **Applications**  → **Qik manual** .



The Qik App Manual main menu displays.

2. Touch the entry that best describes what you need to do.  
Options are:

- Create a Qik account
- Make a video call
- Record and share a video
- Send and receive video messages
- Manage Video Gallery

## Qik Video



Qik Video is a mobile video sharing service that lets you record and share videos with your friends, family, and your favorite social networks like Facebook, YouTube, and Twitter. Your video is automatically saved as you record. No more time-consuming manual uploads. For more information, visit <http://qik.com>.

- From the Home screen, touch **Applications**  → **Qik Video** .

Follow the on-screen instructions to **Sign up** or **Log in**.




## Samsung Apps

Connect to Samsung Apps and make your smart device even smarter. Simply and easily download an abundance of applications to your device such as games, news, reference, social networking, navigation, and more.

- ▶ From a Home screen, touch **Applications**  → **Samsung Apps** .

## Settings

Configure your device to your preferences. For more information, refer to “Settings” on page 90.

- ▶ From a Home screen, press the **Menu Key**  → **Settings**.  
— or —  
From a Home screen, touch **Applications**  → **Settings** .

## Talk


Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to “Google Talk” on page 44.

- ▶ From a Home screen, touch **Talk** .  
— or —  
From a Home screen, touch **Applications**  → **Talk** .



## Task Manager

View and manage active applications on your device. For more information, refer to “Task Manager” on page 7.

---

**Tip:** To quickly launch Task Manager, touch and hold the **Home Key** , then touch **Task Manager**.

---

- ▶ From a Home screen, touch **Applications**  → **Task Manager** .

## ThinkFree Office

ThinkFree Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline.

1. From the Home screen, touch **Applications**  → **ThinkFree Office** .

2. Read the End User License Agreement, then touch **Accept** if you agree with the terms of use.

Four tabs display:

- **Home:** Displays the introduction to ThinkFree Office and lists a short description of each of the tabs and what type of information they provide.
- **My Docs:** This is where you keep your documents on this device. You can manage documents, or send them to others, and upload the documents to ThinkFree Online.
- **Online:** This provides your online storage information. You can also share your documents to others without using email attachments.

## Videos

View and manage videos stored on an optional installed memory card.

For more information, refer to “*Videos*” on page 63.

---








**Tip:** A shortcut to Video appears on the Main Home screen by default.


---


- ▶ From a Home screen, touch **Videos** .

## Voice Recorder

The Voice Recorder allows you to record an audio file and then immediately share it using Bluetooth, Email, or Gmail.





1. From the Home screen, touch **Applications**  → **Voice Recorder** .
2. To start recording, touch **Record**  and speak into the microphone.
3. During the recording process you can touch **Stop**  to stop and save the recording or touch **Pause**  to temporarily halt the recording. After pausing, touch **Record**  to resume recording. Touch **Cancel**  to cancel the recording. Otherwise, once the audio recording stops, the message is automatically saved.

4. Touch **List**  to display a list of all your voice recordings.

Press the **Menu Key**  to display the following options:

- **Share:** Share one or all recordings using Bluetooth, Email, or Gmail.
- **Delete:** Touch recordings to mark them for removal or touch **Select All**. Touch **Delete** to delete the selected recordings.
- **Rename:** Touch a recording, enter the new name, and touch OK.
- **Settings:** The following settings are available:
  - **Storage:** Touch **Device** or **Memory card** to choose where your recordings are saved.
  - **Default name:** Enter a name prefix for your recordings. For example, if your Default name is **Voice**, your recordings are named Voice 001, Voice 002, Voice 003, and so on.
  - **Recording time:** Touch a recording time. Options are: 1, 2, 3, 4, 5, or 60 minutes, or 12 hours.



5. Touch a voice recording in the recordings list to play it.

Touch **Pause**  to temporarily stop the playback, touch **Play**  to resume the playback, touch **Stop**  to stop the playback, or press the **Menu Key**  to display the following options:

- **Delete:** Touch **OK** to delete the recording.
- **Rename:** Enter the new name and touch **OK**.
- **Share:** Share the recording using Bluetooth, Gmail, or Email.

## Voice Search

Perform Google searches by speaking your search terms. For more information, refer to “*Voice Search*” on page 53.

- From a Home screen, touch **Applications**  → **Voice Search** .

---

**Tip:** Voice Search is available on the Google Search bar widget, which appears on a Home screen by default.

---




## YouTube

View and upload YouTube videos, right from your device. For more information, refer to “*YouTube*” on page 54.

---

**Tip:** A shortcut to YouTube appears on the Main Home screen by default.

---


- From a Home screen, touch **YouTube** .
  - or –
- From a Home screen, touch **Applications**  → **YouTube** .

## Section 11: Settings



---

This section explains Settings for customizing your device.

### Accessing Settings

- ▶ From a Home screen, press the **Menu Key**  → **Settings**.

– or –

From a Home screen, touch **Applications**   
→ **Settings** .

### Wireless and Network

Control your device's wireless connections.


#### Flight Mode

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

---

**Important!** When your device is in Flight Mode, it cannot access online information or applications.

---

1. From a Home screen, press the **Menu Key**  → **Settings**  
→ **Wireless and network**.

– or –

From the Home screen, touch **Applications**   
→ **Settings**  → **Wireless and network**.

2. Touch the **Flight mode** check box to enable Flight mode. A check mark displayed next to the feature indicates Flight mode is active.


#### Wi-Fi Settings

Your device supports Wi-Fi b/g/n. Use Wi-Fi settings to manage your device's Wi-Fi connections.

For more information about using your device's Wi-Fi features, see “*Wi-Fi*” on page 68.


## Turning Wi-Fi On or Off

Turn your device's Wi-Fi service on or off. When you turn Wi-Fi service on, your device automatically searches for available, in-range Wireless Access Points (WAPs).

1. From a Home screen, press the **Menu Key**  → **Settings** → **Wireless and network**.
2. Touch **Wi-Fi settings**, then touch **Wi-Fi** to turn Wi-Fi On or Off. When on, a check appears in the checkbox.

## Network Notification

Have your device alert you to new Wireless Access Points (WAPs).

1. From a Home screen, press the **Menu Key**  → **Settings** → **Wireless and network**.
2. Touch **Wi-Fi settings**, then touch **Network notification** to turn notifications On or Off. When on, a check appears in the checkbox.

## WPS Button Connection

The WPS (Wi-Fi Protected Setup) button is a standard for easy and secure wireless network set up and connections. To use WPS, the connecting device must support WPS and be compatible with Wi-Fi Protected Access (WPA) security. WPS can automatically set up a random network name and WPA wireless



security for wireless Wi-Fi phones, routers, access points, computers, adapters, and other electronic devices.

WPS allows you to push buttons instead of entering a network name and wireless security PIN.

1. From the Home screen, touch  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Touch **WPS button connection**.
3. Press the WPS button on your Wi-Fi access point within 2 minutes.

## Advanced Settings

Set up and manage wireless access points.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Wireless and network** → **Wi-Fi settings**.
2. Press the **Menu Key**  → **Advanced** for these settings:
  - **Advanced:**
    - **Wi-Fi sleep policy:** By default, Wi-Fi turns off when the screen times out and data connections switch to mobile data. Use Wi-Fi sleep policy settings to specify when to switch from Wi-Fi to mobile data for data communications. Touch to choose from **When screen turns off**, **Never when plugged in**, or **Never**.
    - **MAC address:** View your device's MAC address, required when connecting to some secured networks (not configurable).


- **Proxy:** Touch to enter a proxy number.
- **Port:** Touch to enter a port number.
- **IP Settings:** Enter IP settings for configuring a connection to a network using a static IP, including:
  - **Use static IP:** Touch to turn static IP On or Off.
  - **IP address:** Enter the IP address.
  - **Gateway:** Enter the gateway.
  - **Netmask:** Enter the netmask.
  - **DNS 1:** Enter the DNS1.
  - **DNS 2:** Enter the DNS2.

## Bluetooth Settings

Use Bluetooth settings to manage Bluetooth connections, set your device's name, and control your device's visibility.

### Turning Bluetooth On or Off


To turn your device's Bluetooth service On or Off:

1. From a Home screen, press the **Menu Key**  → **Settings** → **Wireless and network** → **Bluetooth settings**.
2. Touch **Bluetooth** to turn Bluetooth On or Off. When On, a check appears in the checkbox.

For more information about using Bluetooth to exchange information with other Bluetooth devices, see “*Bluetooth*” on page 69.

## Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Wireless and network** → **Bluetooth settings**.
2. Touch a setting to configure Bluetooth:
  - **Device Name:** Your device's default name appears on screen. Touch to change the device name. Available when Bluetooth is turned On.
  - **Visible:** Control your device's visibility to other devices' Bluetooth searches. Touch to turn On or Off. Available when Bluetooth is turned On.
  - **Scan devices:** Touch to scan for nearby discoverable devices. After searching, touch a device to pair with it. For more information, refer to “*Pairing with a Bluetooth Device*” on page 70.

## VPN Settings

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

---


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

---



## Adding a VPN

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

1. From a Home screen, press the **Menu Key**  → **Settings** → **Wireless and network** → **VPN settings**.
2. Tap **Add VPN**.
3. To establish a PPTP (Point-to-Point Tunneling Protocol):
  - Tap **Add PPTP VPN**.
  - Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
  - Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
  - Tap **Enable Encryption** to make a checkmark (if desired).
  - Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.
4. To establish a L2TP (Layer 2 Tunneling Protocol):
  - Tap **Add L2TP VPN**.
  - Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
  - Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
  - Tap **Enable L2TP secret** to make a checkmark (if desired).
5. To establish a L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec):
  - Tap **Add L2TP/IPSec PSK VPN**.
  - Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
  - Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
  - Tap **Set IPsec pre-shared key**, enter a key and tap **OK**.
  - Tap **Enable L2TP secret** to make a checkmark (if desired).
  - Tap **Set L2TP secret** and enter a password (if desired), then tap **OK**.
  - Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.
6. To establish a L2TP/IPSec CRT (Certificate based L2TP/IPSec):
  - Tap **Add L2TP/IPSec CRT VPN**.
  - Tap **VPN name**, add a name for this connection using the keypad, then tap **OK**.
  - Tap **Set VPN server**, add a name using the keypad, then tap **OK**.
  - Tap **Enable L2TP secret** to make a checkmark (if desired).


- Tap **Set L2TP secret** and enter a password (if desired), then tap **OK**.
- Tap **Set user certificate**, then tap **OK**.
- Tap **Set CA certificate**, then tap **OK**.
- Tap **DNS search domains**, add a name for DNS search using the keypad, then tap **OK**.

## Sound Settings

### General


#### Silent Mode

Temporarily silence all the sounds your device makes except for media playback and alarms.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Sound**.
2. Touch **Silent mode** to enable or disable silent mode. When enabled, a check mark appears in the check box.

#### Level Optimizer

Optimize the media volume.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Sound**.
2. Touch **Level optimizer** to enable or disable this option. When enabled, a check mark appears in the check box.


---

**Note:** You must turn off Silent mode before activating Level optimizer.

---

### Vibrate

Vibrate mode allows your device to vibrate instead of a tone.

1. From the Home screen, press the **Menu Key**  → **Settings** → **Sound** → **Vibrate**.
2. Touch **Always**, **Vibrate never**, **Only in silent mode**, or **Only when not in silent mode**.


### Volume

Set the volume level for all types of sounds.

---

**Note:** You can only set volume when Silent Mode is disabled.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Sound** → **Volume**.
2. Touch and drag the sliders to set:
  - **Incoming call volume:** Adjust the sound for the incoming calls.
  - **Media volume:** Playback of music, videos and other multimedia content.
  - **System volume:** Application sounds and other sounds made by your device.

- **Notification volume:** Sounds for alerts to new messages and other events.

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

---


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

---

## Notifications

### Notification Sound

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

1. From a Home screen, press the **Menu Key**  → **Settings** → **Sound** → **Notification sound**.
2. Touch a sound to hear a sample and select it.
3. Touch **OK** to save the setting.

## Feedback

### Audible Selection


When enabled, tones play when you touch screen items.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Sound**.

2. Touch **Audible selection** to enable or disable tones. When enabled, a check mark appears in the check box.

## Screen Lock Sounds


When enabled, tones play when unlocking and locking the screen.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Sound**.
2. Touch **Screen lock sounds** to enable or disable tones. When enabled, a check mark appears in the check box.

## Display Settings


### Font Style

Set the font for screen displays.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Display**.
2. Touch **Font style** to choose a font style or touch **Get fonts online** to browse and download a new font.


## Brightness

Set the default screen brightness.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Display** → **Brightness**.
2. Touch and drag the slider to set the brightness.
3. Touch **OK** to save the setting.


## Auto-Rotate Screen

Switch orientation automatically when rotating your device.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Display**.
2. Touch **Auto-rotate screen** to enable or disable the mode. When enabled, a check appears in the check box.


## Animation

Set the level of animations for transitions between screens.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Display** → **Animation**.
2. Touch **No animation**, **Some animations**, or **All animations**.


## Screen Timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From a Home screen, press the **Menu Key**  → **Settings** → **Display** → **Screen timeout**.
2. Touch a setting to select it.


## Power Saving Mode

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

1. From a Home screen, press the **Menu Key**  → **Settings** → **Display**.
2. Touch **Power saving mode** to enable or disable the mode. When enabled, a check appears in the check box.

## Horizontal Calibration

Horizontal calibration allows you to horizontally calibrate your display using the accelerometer.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Display** → **Horizontal calibration**.
2. Place your device on a level surface and tap **Calibrate**.


## Location and Security

You value your privacy. So, by default, your device only acquires your location when you dial 911. To use Location-Based Services, you must first enable location services on your device.


## My Location

### Use Wireless Networks


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

1. From a Home screen, press the **Menu Key**  → **Settings** → **Location and security**.
2. Touch **Use wireless networks** to enable location information using the wireless network.

### Use GPS Satellites

1. From a Home screen, press the **Menu Key**  → **Settings** → **Location and security**.
2. Touch **Use GPS satellites** to enable the GPS satellite.


### Use Sensor Aiding

1. From a Home screen, press the **Menu Key**  → **Settings** → **Location and security**.
2. Touch **Use sensor aiding** to enable the sensor aiding, which enhances positioning and saves power by using sensors.

## Screen Lock Settings

### Set Screen Lock


Choose settings for unlocking your screen. For more information about using the lock and unlock features, see “*Securing Your Device*” on page 8.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Location and security**.
2. Touch **Set screen lock/Change screen lock** for these settings:
  - **None:** Touch to disable all screen lock settings.
  - **Pattern:** A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
  - **Password:** Touch to create a password for unlocking the screen.

### Passwords

#### Visible Passwords


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

1. From a Home screen, press the **Menu Key**  → **Settings** → **Location and security**.

2. Touch **Visible passwords** to enable or disable brief displays of password characters. When enabled, a check mark appears in the check box.

## Device Administration

Add or remove device administrators.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Location and security**.
2. Touch **Select device administrators**.

## Credential Storage


### Use Secure Credentials

You can install credentials from an installed memory card and use Credential storage settings to allow applications to access the secure certificates and other credentials.

---

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

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Location and security**.
2. Touch **Use secure credentials** to enable or disable. When enabled, a check mark appears in the check box.


## Install Encrypted Certificates

Install encrypted certificates from an installed memory card.

---


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

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Location and security**.
2. Touch **Install encrypted certificates**, then choose a certificate and follow the prompts to install.

## Set Password

Set or change a password to protect credentials.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Location and security**.
2. Touch **Set password**, then follow the prompts.


## Clear Storage

Clear stored credentials and reset the password.

---

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

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Location and security**.

2. Touch **Clear storage** to clear stored credentials and reset the password.

## Applications

You can download and install applications from Android Market or create applications using the Android SDK and install them on your device. Use Applications settings to manage applications.


---

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

---

## Unknown Sources

When enabled, you can install of application from sources other than the Android Market.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Applications**.
2. Touch **Unknown sources** to enable or disable the setting.  
When enabled, a check mark appears in the check box.

## Manage Applications

Manage and remove applications from your device.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Applications** → **Manage applications**.

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


## Running Services

View and control services running on your device.

---

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

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Applications** → **Running services**.
2. To stop a service, touch the service, then touch **Stop** at the confirmation prompt.

## Development

Set options for application development.

## USB Debugging

When enabled, allows debugging when the device is attached to a PC by a USB cable.

---

**Note:** This setting is used for development purposes.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Applications** → **Development**.

2. Touch **USB debugging** to enable or disable the setting.  
When enabled, a check mark appears in the check box.


### Allow Mock Locations

This setting is used by developers when developing location-based applications.

---


**Note:** This setting is used for development purposes.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Applications** → **Development**.
2. Touch **Allow mock locations** to enable or disable the setting. When enabled, a check mark appears in the box.

### Samsung Apps

Using the Samsung Apps option the device notifies you when there are new applications in Samsung Apps.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Applications** → **Samsung Apps**.
2. For new application notification, touch **On**. Touch **Off** to disable new application notification.
3. To delete Samsung App's local data, touch **Reset locale** and then touch **OK**.

## Accounts and Sync

Set up and manage accounts, including your Google and Backup Assistant accounts.

### General Sync Settings


#### Background Data

When enabled, all accounts can sync, send, and receive data at any time, in the background.

---


**Important!:** Disabling background data can extend battery life and lower data use. Some applications may still use the background data connection, even if this setting is disabled.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Accounts and sync**.
2. Touch **Background data** to enable or disable the setting.  
When enabled, a check mark appears in the check box.

#### Auto-Sync

When enabled, all accounts sync data at any time, automatically.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Accounts and sync**.
2. Touch **Auto-sync** to enable or disable the setting. When enabled, a check mark appears in the check box.




## Manage Accounts

Use Manage accounts to set up and configure your accounts.

---


**Note:** Available settings depend on the type of account. Not all settings are available for all accounts.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Accounts and sync**.
2. Under **Manage accounts**, touch the account to modify its settings.

For more information about accounts, see “*Setting Up Your Accounts*” on page 27.

## Adding an Account

1. From a Home screen, press the **Menu Key**  → **Settings** → **Accounts and sync**.
2. Under **Manage accounts**, touch **Add account** and follow the prompts to enter your credentials and set up the account.

---

**Tip:** For more information about adding accounts, see “*Setting Up Your Accounts*” on page 27.


---

## Removing an Account

---

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

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Accounts and sync**.
2. Touch an account to display its settings.
3. Touch **Remove account**, then touch **Remove account** at the prompt to remove the account and delete all its messages, contacts and other data.


## Privacy

Manage your device's use of personal information.

### Device Backup and Restore


#### Back Up My Data

Enable or disable backup of your settings to the Google server.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Privacy**.
2. Touch **Back up my data** to enable or disable backup of settings to the Google server.

## Automatic Restore


When enabled, backed-up settings are restored when you reinstall an application.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Privacy**.
2. Touch **Automatic restore** to enable or disable automatic restoration of settings from the Google server.

## Personal Data

### Factory Data Reset

Use Factory data reset to return your device to its factory defaults. This setting erases all data from the device, including Google or other email account settings, system and application data and settings, and downloaded applications. It does not erase current system software and bundled applications or files, such as music or photos, stored on an installed memory card.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Privacy**.
2. Touch **Factory data reset**, then follow the prompts to perform the reset.

## SD Card and Device Storage

Manage the use of memory resources in your device's internal memory and on an installed memory card.

1. From a Home screen, press the **Menu Key**  → **Settings** → **SD card and device storage**.

---

**Note:** **Total space** and **Available space** settings cannot be configured.

---

2. Under **SD card**:
  - **Total space** and **Available space** display memory usage on an installed memory card (not user-configurable).
  - Touch **Unmount SD card** to prepare the memory card for safe removal or formatting. For more information, refer to “*Removing a Memory Card*” on page 8.
  - Touch **Format SD card** to erase the memory card and prepare it for use with your device. For more information, refer to “*Formatting a Memory Card*” on page 71.
3. Under **Internal memory**:
  - **Total space** and **Available space** display usage of the internal device memory.
  - Touch **Format internal memory** to format (erase) all data in internal memory. Read the warning and then touch **Format internal memory**.


#### 4. Under **Internal device storage**:

- **Available space** displays usage for your device's 2GB internal memory.

## Locale and Text

### Select Locale

Set the language used by your device.


1. From a Home screen, press the **Menu Key**  → **Settings** → **Locale and text** → **Select locale**.
2. Touch a language/locale from the list.

### Text Settings

Configure text entry options to your preferences.


### Select Input Method

Choose the default text entry method.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Locale and text** → **Select input method**.
2. Touch **Samsung keypad** to set the default method.

## Samsung Keypad

Configure Samsung keypad settings. For more information about entering text with the Samsung keypad, see *"Using the Samsung Keypad"* on page 36.

1. From a Home screen, press the **Menu Key**  → **Settings** → **Locale and text** → **Samsung keypad**.
2. Touch **Portrait keypad types**. Select a text input method:
  - Qwerty Keypad
  - 3x4 Keypad
  - Handwriting box 1
  - Handwriting box 2
3. Touch **Input language** to set a default text entry language.
4. Touch **XT9** to enable or disable XT9 predictive text, to have the system suggest words matching your text entries, and, optionally, complete common words automatically.
5. When XT9 is enabled, touch **XT9 advanced settings** to set options:
  - **Word completion**: Enable or disable automatic word completion for words matching your text entries.
  - **Word completion point**: Choose the number of letters for the system to use to predict words for automatic completion.


- **Spell correction:** Enable or disable automatic spell checking and correction.
  - **Next word prediction:** When enabled, the system predicts the next word based on common usage patterns.
  - **Auto-append:** When enabled, the most common predicted word is automatically added to your text.
  - **Auto-substitution:** When enabled, the system automatically replaces words you enter with words from the XT9 auto-substitution list.
  - **Regional correction:** When enabled, the system automatically changes the spelling of words based on norms for your locale.
  - **Recapture:** When enabled, the system re-displays matching words when you make corrections to a word inserted by the system.
  - **XT9 my words:** Add words to your XT9 predictive text dictionary.
  - **XT9 auto-substitution:** Manage the list of words the system uses for auto-substitution (Auto-substitution setting must be enabled).
6. Touch **Keypad sweeping** to be able to sweep the keypad and change from **ABC** to **?123** mode.
  7. Touch **Auto-capitalization** to enable or disable auto-capitalization. When enabled, the system automatically capitalizes words in your text based on common usage, such as at the beginning of sentences.
  8. Touch **Handwriting settings** to display the following options:
    - **Recognition time:** Set the time it takes to recognize each handwritten letter. The longer the time, the more accurate.
    - **About:** View information on the handwriting tool manufacturer and view Gesture Methods for Space, Enter, and Back Space.
  9. Touch **Voice input** to enable or disable the Voice input feature. When enabled, you can choose to enter text by speaking the words, using Google's networked speech recognition feature.
  10. Touch **Auto-full stop** to activate the Auto-full stop feature. When you double space in a message, a period and space are added and the keyboard is placed into uppercase mode so you can start the new sentence with a capital letter.
  11. Touch **Tutorial** for help using Samsung keypad and XT9 predictive text.

## Voice Input and Output

Use Voice input and output settings to customize your device's voice recognition feature and audible readout of text, for example, the contents of email messages.

### Voice Input


#### Voice Recognition Settings

1. From a Home screen, press the **Menu Key**  → **Settings** → **Voice input and output**.
2. Touch **Voice recognition settings** to configure:
  - **Language**: Choose a language for your voice input.
  - **SafeSearch**: Set the sensitivity for filtering of explicit images from the results of your voice-input Google searches.
  - **Block offensive words**: Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
  - **Show hints**: Enable or disable display of hints as you use voice recognition features.

### Voice Output

#### Text-to-Speech Settings

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

1. From a Home screen, press the **Menu Key**  → **Settings** → **Voice input and output**.
2. Touch **Text-to-speech settings** to configure:
  - **Text-to-speech settings**:
    - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
    - **Always use my settings**: When enabled, settings you make override the application's default settings.
  - **Default settings**: Configure settings to your preferences. When **Always use my settings** is enabled, these settings override the application's default settings.
    - **Default engine**: Choose the default text-to-speech engine application.
    - **Install voice data**: Download and install the speech synthesis data needed to activate Text-to-speech from Android Market (free).
    - **Speech rate**: Set the speed at which the text is spoken.
    - **Language**: Set the language voice for spoken text.
  - **Engines**: Configure settings for installed voice recognition engine(s).
    - **Pico TTS**: Install text-to-speech engine applications.


## Accessibility

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

---

**Note:** You can download accessibility applications from Android Market and manage their use here.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Accessibility**.
2. Touch **Accessibility** to activate or deactivate accessibility services. When activated, a check appears in the box.


### Accessibility Services

Enable or disable accessibility services.

---

**Note:** You must activate **Accessibility services** before enabling services.

---

1. From a Home screen, press the **Menu Key**  → **Settings** → **Accessibility**.  
If no accessibility applications are found, a *No accessibility applications found* message displays. Tap **OK** to download a screen reader from Android Market and install it.

---


**Note:** TalkBack, when installed and enabled, recites menu options, application titles, contacts, and other items when scrolling and making selections.

---

2. Touch a service to enable or disable the service. When enabled, a check mark appears in the check box.


## Date and Time

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

1. From a Home screen, press the **Menu Key**  → **Settings** → **Date and time**.
2. Touch a setting to configure:
  - **Set date:** Enter the current date (only available when the Automatic setting is disabled).
  - **Select time zone:** Choose your local time zone (only available when the Automatic setting is disabled).
  - **Set time:** Enter the current time (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 device, including status, legal information, hardware and software versions, and a tutorial.

1. From a Home screen, press the **Menu Key**  → **Settings** → **About device**.
2. Touch items to view details:
  - **Status**: View Battery status, Battery level, Wi-Fi MAC address, Bluetooth address, and Up time.
  - **Battery use**: Display processes and applications that are running. Touch and hold on an item to view details.
  - **Legal information**: Display **Open source licenses**, **License settings**, and **Google legal** information.

---

**Tip:** To find your device's DivX<sup>®</sup> registration code and information about registering your device to play DivX protected video, touch **License settings** → **DivX<sup>®</sup> VOD**.

---

- **Model number**: Display your device's model number.
- **Firmware version**: Display the firmware version of your device.
- **Kernel version**: Display the kernel version of your device.
- **Build number**: Display your device's build number.

## Section 12: Health and Safety Information

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

### Exposure to Radio Frequency (RF) Signals

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

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

#### ***Do cell phones pose a health hazard?***

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

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies

looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

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

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

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

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great



enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

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

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

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

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

### **Interphone Study**

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

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at [http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200\\_E.pdf](http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf).

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

## **International Cohort Study on Mobile Phone Users (COSMOS)**

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

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

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at [http://www.creal.cat/programes-recerca/en\\_projectes-creal/view.php?ID=39](http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39).

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

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use

has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at <http://seer.cancer.gov/>.

## **Cell Phone Industry Actions**

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

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

## **Reducing Exposure: Hands-Free Kits and Other Accessories**

### **Steps to Reduce Exposure to Radio Frequency Energy**

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

- Reduce the amount of time spent using your cell phone;

- Use speaker mode or a headset to place more distance between your head and the cell phone.

### **Hands-Free Kits**

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

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

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

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

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

### **Children and Cell Phones**

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

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

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

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

- FCC RF Safety Program: <http://www.fcc.gov/oet/rfsafety/>.
- Environmental Protection Agency (EPA): <http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA): <http://www.osha.gov/SLTC/radiofrequencyradiation/>.  
(Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): <http://www.cdc.gov/niosh/>.
- World Health Organization (WHO): <http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection: <http://www.icnirp.de>.
- Health Protection Agency: <http://www.hpa.org.uk/Topics/Radiation/>.

- US Food and Drug Administration: <http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>.

## **Specific Absorption Rate (SAR) Certification Information**

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

These FCC exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

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

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

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

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

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

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model device as reported to the FCC are:

- Head: 0.057 W/kg.
- Body-worn: 0.07 W/kg.

SAR information on this and other model devices can be viewed online at <http://www.fcc.gov/oet/ea>. To find information that pertains to this particular model GALAXY, this site uses the FCC ID number A3LYPG70. This number can be confirmed by looking on the rear case of your GALAXY device.

Follow the instructions on the website and it should provide values for typical or maximum SAR for a particular mobile device. Additional product specific SAR information can also be obtained at [www.fcc.gov/cgb/sar](http://www.fcc.gov/cgb/sar).

## Smart Practices While Driving

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

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or using a mobile device - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility.

**Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired.** Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

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

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

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

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

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

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

## Battery Use and Safety

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

- **Do not let the GALAXY or battery come in contact with liquids.**

Liquids can get into the GALAXY's circuits, leading to corrosion. Even when the GALAXY appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the GALAXY and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.

- **Do not place your battery in or near a heat source.** Excessive heating can damage the GALAXY or the battery and could cause the GALAXY or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your GALAXY in your car in high temperatures.
- **Do not dispose of the GALAXY or the battery in a fire.** The GALAXY or the battery may explode when overheated.
- **Avoid dropping the GALAXY.** Dropping the GALAXY, especially on a hard surface, can potentially cause damage to the GALAXY. If you suspect damage to the GALAXY or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**

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

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## **WARNING!**

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

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

## ***Samsung Mobile Products and Recycling***

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories, and other unwanted electronics, in accordance with local regulations and through an approved recycler.

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

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

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

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

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### **UL Certified Travel Charger**

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

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

**IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE  
INSTRUCTIONS.**

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

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

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

### **Display / Touch-Screen**

Please note the following information when using your mobile device:

#### **WARNING REGARDING DISPLAY**

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

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

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 123.



## GPS

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

### Your Location

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

## Navigation

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

### Emergency Communication

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

## Care and Maintenance

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

### Keep your Samsung Mobile Device away from:

#### Liquids of any kind

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

#### Extreme heat or cold

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

#### Microwaves

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

#### Dust and dirt

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

## Cleaning solutions

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

## Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

## Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

## Responsible Listening

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### Caution!: Avoid potential hearing loss.

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Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also

been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling

headphones should allow you to hear the music at lower volumes than when using earbuds.

- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

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

**American Academy of Audiology**

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: [info@audiology.org](mailto:info@audiology.org)

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

## **National Institute on Deafness and Other Communication Disorders**

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: [nidcdinfo@nih.gov](mailto:nidcdinfo@nih.gov)

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

## **National Institute for Occupational Safety and Health (NIOSH)**

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4674)

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

Outside the U.S. 513-533-8328

Email: [cdcinfo@cdc.gov](mailto:cdcinfo@cdc.gov)

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

1-888-232-6348 TTY

## **Operating Environment**

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

## **Using Your Mobile Device Near Other Electronic Devices**

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

## **Implantable Medical Devices**

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

Persons who have such devices:

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

- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider. For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

### **Other Medical Devices**

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

### **Vehicles**

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

### **Posted Facilities**

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

### **Potentially Explosive Environments**

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

### **Restricting Children's Access to Your Mobile Device**

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

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

## **FCC Notice and Cautions**

### **FCC Notice**

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

### **Cautions**

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

## **Other Important Safety Information**

- Only qualified personnel should service the mobile device. Faulty service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment used in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of network services to the offender, or legal action, or both.

## Section 13: Warranty Information

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### Standard Limited Warranty

#### *What is Covered and For How Long?*

Samsung Electronics America, Inc. ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's devices and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

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

#### *What is Not Covered?*

This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, neglect, unusual physical, electrical or electromechanical stress, or defects in

appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts unless caused by SAMSUNG; (b) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (c) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (d) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (e) malfunctions resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (f) defects or damage from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (g) defects or damage from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake, or from exposure to weather conditions, or external battery leakage, theft, blown fuse, or improper use of any electrical source; (h) defects or damage caused by cellular signal reception or transmission, or viruses or other software problems introduced into the Product; (i) any other acts which are not the fault of SAMSUNG; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for

charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG device for which it is specified.

### **What are SAMSUNG's Obligations?**

During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized Product service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the original date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-800-SAMSUNG. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited

Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

### **What Are the Limits On SAMSUNG's Liability?**

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, 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;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR 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.

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## A

**Accessibility settings** 106

### **Accounts**

- setting up 27
- setting up a Facebook account 28
- setting up a MySpace account 28
- setting up a Twitter account 28

### **AllShare**

- configuring 76

### **Android keyboard**

- configuring 36

### **Android Market** 81

### **Android System Recovery** 10

### **Applications** 23

- downloading new 81

### **Applications settings**

- allow mock locations 100
- development 99
- managing 99
- running services 99
- unknown sources 99
- USB debugging 99

## B

**Back key** 16

### **Battery**

- charging 5
- indicator 5

### **Bluetooth**

- pairing with a device 70
- settings 92
- turning on or off 69

## C

**Calculator** 77

**Calendar** 77

### **Camcorder**

- recording video 61
- settings 62

### **Camera**

- settings 60
- taking photos 59

**Children and Cell Phones** 111

**Combined Inbox** 43

### **Contacts**

- creating 29
- display options 31

exporting and importing 32

Get Friends 31

groups 33

linking 30

My Profile 32

namecards 31, 32

setting a photo as contact icon 66

synchronizing with accounts 31

updating 30

## D

**Date & time settings** 106

### **Display settings**

- animation 96
- brightness 96
- font style 95
- Horizontal Calibration 96
- power saving mode 96
- screen timeout 96

### **DivX®**

registration code 107

**Do cell phones pose a health hazard?** 108



## E

### Email

- composing and sending 42
- configuring accounts 41

## F

### Facebook

- setting up an account 28

### FM Radio 57

## G

### Gallery 64

- sharing photos and video 67
- viewing photos and video 66

### Get Friends 31

### Gmail

- account settings 41
- composing and sending 40
- refreshing your account 40
- setting up your account 39

### Google

- Android Market 81
- Gmail 39
- Latitude 52
- Maps 51
- Navigation 52

### Places 53

### Search 53, 80

### Voice Search 53

### your account 6

### YouTube 54, 89

## GPS Applications 73

### Groups

- creating 33
- sending a message 34

## H

## Health and Safety Information 108

### Home key 16

### Home screen 14

- adding shortcuts 21
- adding widgets 19
- customizing 15
- folders 21
- primary shortcuts 19
- wallpaper 22

## I

### Icons

### Status Bar 18

### Internet 46

### settings 50

## L

## Language and keyboard settings

- select input method 103
- select locale 103

## Location and security settings

- credential storage 98
- device administration 98
- location services 97
- my location 97
- screen unlock 97
- visible passwords 97

## Locking and Unlocking

- screen lock sounds 95
- unlocking the keypad 9

## M

## Maps 51, 81

## Market 81

## Memory Card

- formatting 71
- installing 7
- removing 8

## Memory settings

- SD card and device 102

## **Menu**

- context-sensitive 16
- key 16

## **Messages**

- Gmail 39
- types 39

## **Music**

- creating a playlist 56
- Music Player 55
- types of menus 57

## **My Profile** 32

- sending with Bluetooth or Gmail 33

## **MySpace**

- setting up an account 28

## **N**

## **Namecards**

- sending 31, 32

## **Navigation** 16

- command keys 19
- finger gestures 16
- Primary Shortcuts 19

## **Notification Panel** 17

## **P**

## **Pairing with Bluetooth** 70

## **Photo ID**

- setting 66

## **Photos**

- Gallery 64
- setting as wallpaper 66
- sharing 67
- taking 59

## **Playlists**

- creating 56

## **Powering On and Off** 6

## **Privacy settings**

- device backup and restore 101
- factory data reset 102
- personal data 102

## **Q**

## **Qik Video** 86

## **R**

## **Reset**

- factory data 102

## **Ringtones**

- notification 95

## **S**

## **Samsung Keypad**

- entering text 36

## **SAR Values** 113

## **Securing your device**

- locking and unlocking 8
- screen unlock settings 97

## **Security**

- locking and unlocking 8
- locking your device 9
- screen unlock pattern 97

## **Security settings**

- set screen lock 97

## **Settings** 90

## **Silent mode** 94

## **Sound settings**

- audible selection tones 95
- haptic feedback 95
- notification ringtone 95
- ringer volume 94
- screen lock sounds 95
- silent mode 94

## **Standard Limited Warranty** 123

## **Stopwatch** 75

## **Synchronization settings**

- auto-sync 100
- background data 100

## **System Recovery** 10

## T

### Text

- entering 36
- virtual QWERTY keyboard 36

### Text settings

- Samsung keypad 103

### Timer 75

### Turning Your Device On and Off 6

### Twitter

- setting up an account 28

## U

### Unlocking your device

- set an unlock pattern 97

### USB connections

- as a mass storage device 71

### USB settings

- as a mass storage device 71
- mass storage device 71
- Windows Media Player 71

## V

### Videos

- Gallery 64
- recording 61
- sharing 67

### Voice Recorder 88

### Voice Search 53

### Volume Key 13

## W

### Wallpaper

- gallery 22
- setting 66

### Warranty Information 123

### Widgets 19

### Wi-Fi

- adding a connection manually 69
- scanning and connecting 69
- settings 90
- turning on or off 68, 91

### WiFi (see Wi-Fi) 68

### Windows Media Player

- synchronizing with 71

### Wireless Networking

- Bluetooth 69
- Wi-Fi 68

## Y

### YouTube 54, 89

- settings 54