SGH-T669

PORTABLE Quad-BAND MOBILE PHONE

User Manual
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Section 1: Getting Started

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

Activating Your Phone

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

Removing the Cover

1. If necessary, switch off the phone by holding down until the power-off image displays.
2. Remove the cover by pulling up on the slot (see diagram), then lift the cover up and off the phone.

3. Place your thumbnail in the notch at the top (1) and lift it up and out (2) (as shown).
Removing the Battery

- Lift up (1) and remove (2) the battery.

Installing the SIM Card

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

- Carefully slide the SIM card into the SIM card socket until the card locks into place. Make sure that the card’s gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.
Note: If the card is not inserted correctly, the phone does not detect the SIM card. Re-orient the card back into the slot.

**Replacing the Battery**

1. Slide the battery into the compartment so that the tabs on the end align with the slots at the bottom of the phone. Be sure to line up the gold contacts.

2. Lightly press down on the battery until it snaps into place.

3. Check that the battery is properly installed before turning on the phone.
Installing or Removing the Memory Card

Your phone supports an optional memory card (microSD™) for data storage of such things as music, pictures, video or other files. This type of memory card is designed for use with this mobile phone and other devices.

**Note:** The Samsung device supports up to a 32 Gigabyte memory card.

1. Place the microSD card into the slot (as shown) and push lightly with your thumb or finger until you hear a light click sound. Ensure the microSD’s gold contact pins face downward and the card is placed so that the indentations on the card face the same direction as those illustrated.

2. Push the microSD card with your thumb a second time to eject it from the slot.
Replacing the Cover

Press down on the corners of the battery cover until you hear a click. Verify that the battery cover is secured.
**Charging a Battery**

Your phone is powered by a rechargeable Lithium ion battery. A wall charger, which is used for charging the battery, is included with your phone. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

You can use the phone while the battery is charging, but doing so requires additional charging time.

---

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

---

1. With the battery installed, temporarily remove the plastic cover on the left side of the phone (as indicated) and plug in the wall charger’s connector into the jack.

---

**Important!** Verify that the handset battery is installed prior to connecting the wall charger. If the battery is not installed and the wall charger is connected, the handset power cycles continuously, preventing proper operation.

---

**Note:** The previous illustration displays the incorrect method for connecting the charger. If attempted, damage to the accessory port will occur therefore voiding the phone’s warranty.
2. Plug the adapter’s power plug into a standard AC wall outlet.
3. When charging is finished, first unplug the adapter’s power plug from the AC wall outlet and then disconnect the wall charger’s connector from the phone.

Warning!: Failure to unplug the wall charger before you remove the battery can cause the phone to become damaged.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain; a warning tone sounds and the “Low battery” message repeats at regular intervals on the display. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode.

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

Switching the Phone On or Off

1. Press and hold until the phone switches on.
2. If the phone asks you to enter the phone password, use the keypad to enter this password and touch Confirm.
3. If the phone asks for a PIN, use the keypad to enter the PIN and touch Confirm. For more information, refer to “Check PIN code” on page 152.

The phone searches for your network and after finding it, the carrier’s name displays on the screen. Now you can make or receive calls.

4. When you want to switch off the phone, press and hold until the power-off image displays.

Setting Up Your Voice Mail

For new users, follow the instructions below to set up voice mail:

1. From the Home screen, touch Dialer then press and hold 1 until the phone dials voicemail.
   You may be prompted to enter a password.
2. Follow the tutorial to create a password, a greeting, and your name.

Note: These steps may be different depending on your network.
Accessing Your Voice Mail

You can access your Voice Mail by either pressing and holding 1 on the keypad, by using the phone’s menu, or by pressing the Voice Mail icon in the Widget bar. To access Voice Mail using the menu:

1. From the Home screen, touch Dialer then press and hold 1 until the phone dials voice mail.

2. When connected, follow the voice prompts from the voice mail center.
Section 2: Understanding Your Phone

This section outlines some key features of your phone. It also displays the screen and the icons that display when the phone is in use.

Features of Your Phone

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

- Full touch screen phone with full QWERTY keyboard slide-out
- Multiple messaging options (Exchange Email, Text, Picture, and Video)
- 2MP Camera/Camcorder multi shot and 3x zoom
- Full HTML browser
- MP3 Music Player
- Pre-loaded online widgets
- Social applications (MySpace, Facebook™, Twitter)
- Bluetooth Wireless Technology
- Expandable Memory Slot, up to 32GB
- Assisted GPS
- Smart unlock screen
- Etiquette mode feature
**Front View of Your Phone**

The following illustrations show the main elements of your phone:

1. **Receiver** allows you to hear the other caller and the different ring tones or sounds offered by your phone.

2. **Send key** allows you to make or answer a call. Press and hold to dial the last contact entered.

3. **Microphone** is used during phone calls and allows other callers to hear you clearly when you are speaking to them. It is also used to make voice note recordings.

**Keys**

The following list correlates to the illustrations.

1. **Receiver** allows you to hear the other caller and the different ring tones or sounds offered by your phone.

2. **Send key** allows you to make or answer a call. Press and hold to dial the last contact entered.

3. **Microphone** is used during phone calls and allows other callers to hear you clearly when you are speaking to them. It is also used to make voice note recordings.
4. **Power-on/Off (Exit) key** ends a call. Press and hold for two seconds to turn the phone on or off. While in the Menu mode, it returns the phone to the Home screen and cancels your input.

5. **Menu key** when pressed, displays the Main menu screen.

6. **Display** shows all the information needed to operate your phone, such as the received signal strength, phone battery level, date, and time.

**Side Views of Your Phone**

The following illustrations show the external elements of your phone.

1. **Volume keys** allow you to adjust the ringer volume in standby mode or adjust the voice volume during a call. When receiving an incoming call, pressing the volume key mutes the ring tone. Press and hold the volume key to reject a call.

2. **Camera button** allows you to take pictures when you are in camera mode. It launches the camera with a press and hold.

3. **Hold button** locks and unlocks the phone.
4. **Power/Accessory Interface connector** allows you to connect a power cable or optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.

**Camera View of Your Phone**

The following illustration shows the external elements of your phone:

![Camera View of Your Phone](image)

**Display Layout**

Your display screen provides a wealth of information about the phone’s status and options. The display has 3 areas:
Unlocking the Phone

When you first turn on the device the screen is locked (as shown) and displays the Smart unlock guide (see “Smart Unlock” on page 154.) Press and hold the lock icon on the side of the phone or draw a character to unlock the phone.

Note: Smart unlock must be setup before you can draw a character to unlock the phone. For more information, refer to “Smart Unlock” on page 154.

If you want to permanently unlock the phone:

► From the Home screen, press "Menu" then touch Settings → Phone settings → Touch panel auto-lock and press the Off button.

Widget Bar

The Widget bar provides quick access to the items you use most frequently (Web, Photo, Message inbox, Voice Recognition, Calendar, Bluetooth, Today, Message composer, Games and apps, Voice mail, Widget memo, Digital clock, Analog clock, Dual clock, Birthday, Voice recorder, Calculator, Youtube, Facebook™, MySpace, Twitter, Digg.com, AccuWeather.com, Y! Search, Yahoo!® Finance, Samsung Apps). For more information about the Widget bar, see “Widgets and the Widget Bar” on page 22.

Function categories

Function categories are also shortcuts to the Dialer (for dialing a number), Contacts (accessing the Contacts), Web (for Internet connection), and Messages (displays the icons for application access). While viewing the Main Menu, the Menu category changes to Home. The Home icon returns you to the Home screen where the time, date, and Widget bar display.
**Icons**

This list identifies the symbols that appear on your phone’s display screen:

- Displays the received signal strength. The greater the number of bars, the stronger the signal.

- Displays when you are out of your service area.

- Displays the level of your battery. The more bars you see, the more power you have remaining.

- Displays while connecting to the 3G network.

- Displays while your phone synchronizes with the computer.

- Displays when a new text message is received.

- Displays when a new voice mail is received.

- Displays when a new picture message is received.

- Displays when Call forwarding is set to Forward always. For more information, refer to “Call Settings” on page 155.

- Displays when Sound profiles are set to Silent.

- Displays when Sound profiles are set to Vibration.

- Displays when Sound profiles are set to Driving.

- Displays when Sound profiles are set to Outdoor.
**Backlight**

A backlight illuminates the internal display and the keypad. When you press any key, the backlight turns on. Backlight turns off when no keys are pressed or pressed within a given period of time, depending on the Backlight menu setting. The display turns off after one minute to conserve battery power.

To specify the length of time the backlight is active, access the Backlight menu:

1. From the Home screen, press `MENU` then touch **Settings → Display settings**.
2. Touch **Backlight time**.
3. Select the duration **8 seconds**, **15 seconds**, **30 seconds**, **1 minute**, **3 minutes**, or **10 minutes**.
4. Touch **Save** to confirm your selection.

**Brightness**

After you set the backlight duration, set the brightness levels.

1. From the Home screen, press `MENU` then touch **Settings → Display settings**.
2. Touch **Brightness**.
3. Slide the Level bar from 1-5 to select the brightness level.
4. Touch **Save** to confirm your selection.

**Display**

Your phone has a display on the front of the phone which indicates when you have an incoming call or message. It also alerts you at a specified time when an alarm was set by turning on the backlight and displaying a corresponding icon on the screen.

The display shows the current time and date on a digital clock.
Section 3: Displays

This section explains the widget and menu navigation for your phone. It also includes an outline of all the available menus associated with your phone.

Home Screen

The Home screen is the starting point for using the applications or widgets on your phone. Home consists of three workspaces that extend to the right and left beyond the initial display width to provide three workspaces for docking widgets, folders, shortcuts or applications. Each Home screen displays a different wallpaper to aid you in navigation.

Indicates which panel is displayed

- Slide your finger horizontally to the left and right on the screen to view the Home screens.

Note: A three-part indicator at the top of the workspace shows you which workspace is active.
**Customizing the Home Screen**

You can customize the Home screen by docking widgets on different panels of the Home screen, or selecting a new wallpaper so you can easily distinguish between each of the individual panels.

**Selecting a New Wallpaper**

There are several sources available for wallpapers. You can download an image from the Display settings menu, use an image, or photo.

1. From the Home screen, press `MENU` then touch Settings ➔ Display settings ➔ Wallpaper.
   
   Touch a wallpaper panel to replace.

   – or –

2. From the Home screen, press `MENU` then touch Photos.

3. Touch Set as ➔ Wallpaper once you select a photo and touch Set.

**Widgets and the Widget Bar**

The Widget bar provides quick access to frequently-used features via Widgets, which act as shortcuts to launch the features. You can store widgets in the Widget bar, or place them on the Home screen for quick access.

By default, 19 widgets display. For more information about widgets, see “Using Shortcuts” on page 34.

**Accessing Widgets**

To access the widgets:

1. Tap the Widget bar tab, located on the left side of the main display to open the Widget (quick access) bar.

2. Tap the Widget bar tab again to close the Widget bar.

**Moving Widgets**

Once you drop a widget onto the Home screen, press, hold, and drag the widget to another place on the screen.

To place the widget back in the tool bar:

1. Tap the Widget bar tab, then press, hold and drag the widget back to the Widget bar. The widget will drop back into the bar in the new location.
**Widget Manager**

The Widget manager allows you to select widgets to display in the Widget bar. You can select widgets that function offline or widgets that function online (such as Yahoo! Finance, Facebook, Twitter, and more).

Simply touch the pull-down menu and select Offline or Online, then touch the check mark box to the right of the item you want to display and touch **Save** to save your configuration. Items available for selection are:

- Web
- Photo
- Message inbox
- Voice Recognition
- Calendar
- Bluetooth
- Today
- Message composer
- Games and apps
- Voice mail
- Widget memo
- Digital clock
- Analog clock
- Dual clock
- Birthday
- Voice recorder
- Calculator
- Youtube
- Facebook
- MySpace
- Twitter
- Digg.com
- AccuWeather.com
- Y! Search
- Yahoo! Finance
- Samsung Apps

**Main Menus**

The Home screen is the starting point for launching applications. For more information about the applications offered on the Home screen, see “**Home Screen**” on page 21.
Section 4: Navigation

This section explains the menu navigation for your phone. It also includes an outline of all the available menus associated with your phone.

Menu Navigation

You can tailor the phone’s range of functions to your needs using menus and sub-menus. Menus and sub-menus can be accessed by scrolling using the Navigation keys or by using the shortcuts.

Locking and Unlocking the Phone

When you first turn on the device the screen is locked and displays the Smart unlock guide (see “Smart Unlock” on page 154.)

Press and hold the lock button on the side of the phone or draw a character to unlock the phone.

Note: Smart unlock must be setup before you can draw a character to unlock the phone. For more information, refer to “Smart Unlock” on page 154.

If you want to permanently unlock the phone:

From the Home screen, press MENU then touch Settings → Phone settings → Touch panel auto-lock and touch the Off button.
Opening an Application

The Home screen is the first screen displayed. The Main Functions menu displays after you select the Menu icon.

To open an application from the main menu:

1. Tap the associated icon.
2. Press the Back icon to return to the main menu.
**Menu Lists**

Once you display a menu list, tapping an item causes different functions, depending on which item you tapped. For example, you can open another list, add text to a message, send a message, play a song, or view a photo.

- To access items in a list, tap the item:

  ![Menu List Example]

**Navigation**

Using the touch screen display and the keys, you can navigate the features of your phone and enter characters. The following conventions are used in this manual to describe the navigation action in the procedures.

**Accessing a Menu Function by Scrolling**

As you navigate through a menu, options display on the screen as scrollable lists.

To navigate a scrollable list:

1. From the Home screen, press `MENU` then touch an application.

2. From the list of applications you can:
   - Gently touch an entry to activate it.
   - Firmly touch and slide your finger up or down the screen to scroll through lists of menu items. Scrolling on this device requires a more firm touch on the screen than the gentle touch required to open menu items.
   - Flick the screen in an upward motion to quickly scroll through the list.
The following image illustrates how to access the Settings menu options:

Note: Tapping or touching individual entries on the list opens the list entry.
**Accessing a Menu Function by Pressing**

Press phone keys and buttons to select or activate an item. For example: press the Navigation key to scroll through a menu.
**Accessing a Menu Function using Press and Hold**

Some buttons and keys require you to press and hold them to activate a feature, for example, you press the Lock key to lock and unlock the phone.
**Accessing a Menu Function by Touching**

Use a brief touch to select items on the display or to enter text on the virtual QWERTY keyboard. For example: touch a widget to open the application.
Accessing a Menu Function using Touch and Hold

Touch and hold an icon or key to open the available options, or to access a pop-up menu. For example: press and hold on a Home screen to access a menu of customization options.

Note: When you touch and hold the widget it transfers and to the Home screen and launches the application.
Accessing the Home Screen

Slide means to quickly drag your finger vertically or horizontally on the screen to move the area of focus or to scroll through a list. For example: slide your finger left or right on the Home screen to scroll among the three screens.

Accessing Menu items using Drag and Drop

Drag and drop allows you to move items from one area of the screen to another. Touch and hold an item, then drag the item to a new location, before lifting your finger to drop it in the new location. For example: drag a widget from the Widget bar and drop it onto a Home screen.

Tip: You can drag widgets from one panel of the Home screen panel to another.
Screen Rotation

The screen can be rotated to change the orientation from portrait (default) to landscape. For example: rotate to landscape orientation when entering text, to provide a larger keyboard, or when viewing web content to minimize scrolling.

Display settings

In this menu, you can change various settings for the wallpaper, brightness, or backlight.

- From the Home screen, press [MENU] then touch Settings ➔ Display settings. For more information, refer to “Display Settings” on page 148.

Menus

The Home screen contains three pages of menu items. To display and access menu items displayed on pages two and three, slide the screen left or right. The indicator at the top of the home screen indicates which page you are viewing.

Page one displays many of the frequently accessed applications such as:

- Web
- Facebook
- Myspace

- Messaging
- Youtube
- Calls

Page two displays Multimedia tools such as:

- Music player
- Photos
- Voice Recognition

- My downloads
- Videos
- Voice list

- Exchange Email
- Bluetooth
- Settings

- Camera
- Voice recorder
Page three displays the Tools available to help keep you organized and track time such as:

- Alarm
- Calculator
- Tasks
- Timer
- Converter
- Calendar
- World clock
- Stop Watch
- Memo

The Applications section on page 104 of this manual contains an alphabetical list of each of the applications on this phone, as well as a reference to the section in which the application is contained. In some cases, the Applications section fully describes how to navigate to the application and provides more detailed information about the application. In other instances, a link to the section where a full description and navigation instructions is supplied.

**Using Shortcuts**

The Widget bar provides quick access to the items you use most frequently (Web, Photo, Message inbox, Voice Recognition, Calendar, Bluetooth, Today, Message composer, Games and apps, Voice mail, Widget memo, Digital clock, Analog clock, Dual clock, Birthday, Voice recorder, Calculator, Youtube, Facebook, MySpace, Twitter, Digg.com, AccuWeather.com, Y! Search, Yahoo! Finance, Samsung Apps).

The default widgets are: Widget manager, Web, Photo, Music player, Message inbox, Calendar, Bluetooth, Today, Widget memo, YouTube, Alarm, Facebook, Twitter, Digg, AccuWeather.com, Yahoo! Finance, Yahoo! Search, and Samsung Apps. The rest of the widgets are configurable.

The following table contains a description of each Widget, 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.

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<td><strong>AccuWeather.com</strong></td>
<td>Based on your location settings, AccuWeather displays the current weather conditions.</td>
<td>From the Home screen, open the Widget tray and tap AccuWeather.com.</td>
</tr>
<tr>
<td><strong>Analog Clock</strong></td>
<td>The display shows the current time on an analog clock.</td>
<td>From the Home screen, open the Widget tray and touch, drag and drop the Analog clock onto the desktop to view the time in an analog format.</td>
</tr>
</tbody>
</table>
Birthday
Displays birthday events entered into the Contacts.

- From the Home screen, open the Widget tray and touch, drag and drop the **Birthday** widget onto the desktop to view any scheduled Birthday events. When you add a Birthday to the contact, a Birthday event is created and displays on the appropriate day.

Bluetooth
From this application you can activate Bluetooth and configure it so other Bluetooth devices can see your device by name.

- From the Home screen, open the Widget tray and touch, drag and drop, then tap the **Bluetooth** icon to launch the Bluetooth application.

For more information, refer to “Bluetooth” on page 135.

Calculator
Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator.

- From the Home screen, open the Widget tray and touch, drag and drop the **Calculator** onto the desktop.
**Calendar**

With the Calendar feature, you can:
- Consult the calendar by month, week, or day.
- Set schedules and note anniversaries.
- Create an events list.
- Set an alarm to act as a reminder, if necessary.
- Check your event memory status.

  ➤ From the Home screen, open the Widget tray and tap the **Calendar** widget to display the Calendar.

For more information, refer to “Calendar” on page 112.

**digg**

Read the latest news on Technology, Politics, Entertainment, and more.

  ➤ From the Home screen, open the Widget tray and tap **digg**.

**Digital Clock**

The display shows the current time on a digital clock.

  ➤ From the Home screen, open the Widget tray and touch, drag and drop the **Digital clock** onto the desktop to view the time in a digital format.

**Dual clock or World clock**

This feature allows you to find out what time it is another part of world.

  ➤ From the Home screen, press **MENU** then touch **Tools screen → World clock** to view the time in dual locations.

For more information, refer to “World clock” on page 116.
Games and Apps

Provides access to Games and apps and other applications so you can download additional games.

1. From the Home screen, open the Widget tray and tap the **Games and apps** widget to launch the Games and apps menu.

2. Tap **Get New Games** to launch the web browser. There, you can search and download games and applications.

   **Note:** When downloading games, charges may apply. MIDlet options will differ depending on the MIDlet you select.

3. Touch a game icon and begin playing.

Facebook

A social network service and website that allows users to create a personal profiles, add other users as friends and exchange messages, including automatic notifications when they update their profile.

   ▶ From the Home screen, open the Widget tray and tap **Facebook**.

Message Composer

This application allows you to use Short Message Service (SMS) in order to send short messages. For more information, refer to “Text Messages” on page 78.

You can also use the Multi Media Service (MMS) to create multimedia messages to send and receive from other mobile phones. For more information, refer to “Picture Messages” on page 80.

1. From the Home screen, open the Widget tray and tap the **Message Composer**.

2. Touch **Create Message** then tap the screen to display the keyboard and create your message.
Message Inbox
The Message Inbox stores received messages.

- From the Home screen, open the Widget tray and tap the Messages icon to display the Inbox. From this screen you can move messages from the Inbox into other folders.

For more information, refer to “Message Inbox” on page 82.

Music Player
When you first view the Music Player application, the Music library screen displays the following:

- Current playlist
- All tracks
- Playlists
- Artists
- Albums Recently played

From this screen you can play your music files.

- From the Home screen, press MENU then touch Multimedia screen ➔ Music player.

For more information, refer to “Music Player” on page 97.

MySpace
A social entertainment application that lets you follow people, companies, music, movies, celebrities, TV, and social network games.

- From the Home screen, open the Widget tray and touch MySpace.

Photos
In this menu, you can view the list of photos downloaded from the web server, received in messages, or taken by the camera.

- From the Home screen, press MENU then touch Multimedia screen ➔ Photos.

For more information, refer to “Photos” on page 107.
**Samsung Apps**

View the lastest Samsung Apps by Category, Top recommended, Most downloaded, or Latest. You can also search for and view other contents.

1. From the Home screen, open the Widget tray and touch **Samsung Apps**.

2. Touch one of the four categories: Category, Top recommended, Most downloaded, or Latest to search and view Samsung Apps.

3. Tap Other contents to search and view other Samsung contents.

**Today**

This menu displays the current day and date.

► Touch, drag and drop the Today icon onto the desktop to view the current Day and Date.

For more information, refer to “Time & Date” on page 149.

**Twitter**

A social networking and microblogging service that allows you make or answer questions by sending short text messages called "tweets", to your friends, or "followers."

► From the Home screen, open the Widget tray and tap **Twitter**.

**Voice Mail**

You can access your Voice Mail by either pressing and holding on the keypad, by using the phone’s menu, or by touching the Voice Mail widget in the Widget bar.

For more information, refer to “Voice mail” on page 86.

**Voice Recorder**

The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message.

► From the Home screen, press then touch **Multimedia screen ➔ Voice Recorder**.

For more information, refer to “Using the Voice Recorder” on page 109.
Voice Recognition

An advanced voice software used to activate a wide variety of functions on your phone. Nuance® software automatically voice activates (up to 2,000 contacts) for voice dialing and searching. Speak a contact name naturally to dial, and use your voice to look up contacts, launch applications and navigate phone menus.

From the Home screen, press \[\text{MENU}\] then touch Multimedia screen → Voice Recognition to launch the Nuance (Voice) application.

For more information, refer to “Voice Recognition” on page 55.

Web

The browser feature allows you to access the news headlines from the sites you select or browse the web if you need more information. This service requires a data plan. For further details, contact your service provider.

1. From the Home screen, open the Widget tray and touch, drag and drop the web2go widget onto the Home screen.

2. Tap Go to open the Setup menu, then touch one of the News services and touch Save.

For more information, refer to “Accessing the Web” on page 131.

Widget Manager

In this menu you can select the items you want to display in the Widget bar (quick access menu).

1. From the Home screen, open the Widget bar and tap the Widget Manager widget.

2. Touch the check mark box to the right of the item you want to display.

3. Touch Save to save your configuration.

Widget Memo

This feature allows you to create a memo.

1. From the Home screen, open the Widget tray and tap the Memo widget.

2. Tap the Memo widget again to insert a memo, then touch Done.
Yahoo! Finance
Watch the up-to-the-minute stocks, plus news, and market statistics.
1. From the Home screen, open the Widget tray and tap the Yahoo! Finance widget.
2. Tap Edit.
3. Enter the financial data in the field then tap the search icon.
   Yahoo! Finance locates the financial data entered and displays it on the screen.

Yahoo! Search
Using Yahoo! Search, you can search the web by subject or key word.
1. From the Home screen, open the Widget tray and tap Yahoo! Search.
2. Tap the Search field and enter a search string (keyword, phrase, etc.) then tap the search icon.
   Search results display.

Youtube
YouTube is a video sharing website on which users can upload and share videos and view them in MPEG-4 format.
1. From the Home screen, open the Widget bar and touch Youtube.
2. Begin searching and viewing posted videos when the screen loads the videos.
Accessing Widgets

Widget Bar Navigation

You can drag the widgets to the desktop to use the application or feature, then drag it back to the Widget bar when you are finished.
**Dragging and Dropping**

Certain menus allow you to move (drag and drop) an application onto the Main display screen. For example, you can drag the Music Player from the Shortcut menu onto the Main display screen using the drag and drop feature (see illustration).

To drag and drop an application or item onto the Main display:

1. Touch and hold the widget you want to move and drag it to the Main display screen.
2. Drop the widget by releasing your finger.

   The application is now located in another menu or in the case of this example, on the Main display screen.

Drag from the Widget bar

Drop onto the Idle screen
**Tapping**

After you drag and drop an application to the desktop, tap on the application to display more information.
**Scrolling**

The Widget bar contains up to 25 widgets, but can only display five widget icons at one time.

To view more widgets:

- Swipe up and down along the Widget bar.

---

**Tip:** Flick the screen in an upward motion to quickly scroll through the list.

---

**Widget Settings**

To select which items display or hide in the Widget bar:

1. From the Home screen, open the Widget bar and tap the **Widget Manager** widget.

2. Touch the check box to place a check mark next to the Widget you want to display.

---

**Note:** By default fifteen of the widgets are checked and display, and seven of the widgets require activation. For more information, refer to “**Widget Manager**” on page 138.

3. Touch the check box again to remove the check mark and hide the widget.
**Accessing the Home Screen**

Slide means to quickly drag your finger vertically or horizontally on the screen to move the area of focus or to scroll through a list. For example: slide your finger left or right on the Home screen to scroll among the three screens.

Slide your finger  
Left or Right to  
Select the next panel
Section 5: Call Functions

This section describes how to make or answer a call. It also explains the features and functionality associated with making or answering a call. For more information, refer to “Call Settings” on page 155.

Making a Call

From the Home screen, touch the Dialer icon, and then enter the number you want to dial and press .

Note: When you activate the Auto redial option in the Call settings menu, the phone automatically redials up to 10 times when the person does not answer the call or is already on the phone, provided your call is not sent to voice mail. For more information, refer to “Call Settings” on page 155.

Making an International Call

1. From the Home screen, touch the Dialer icon, then press and hold 0 + . The + character displays.
2. Enter the country code, area code, and phone number.
3. Press  to make the call.

Correcting the Number

1. Touch  to clear the last digit displayed.
2. Touch and hold  to clear the entire display.

Ending a Call

1. Briefly press  to end the call.
   – or –
2. Touch the icon to the right of the phone number, or name if stored in Contacts, for which you want to end the call.
Redialing the Last Number

The phone stores the numbers of the calls you have dialed, received, or missed if the caller is identified.

To recall any of these numbers:

1. Touch Menu ➔ Calls to display the logs. All is the default but you can use the drop down list to select All, Missed calls, Outgoing calls or Incoming calls (a list of the most recently used numbers in the order you dialed or received them).

2. Select the number to view details.

3. Press 🔄 to dial the number.

Adjusting the Call Volume

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

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

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

Answering a Call

When somebody calls you, the phone rings and displays the incoming call image.

The caller’s phone number, or name if stored in Contacts, displays.

1. Press 🔄 to answer the incoming call.

If the Any key option in the Answering mode menu is activated, you can touch any key to answer a call except for the key. For more information, refer to “Call Settings” on page 155.

Note: To reject an incoming call, press 🔄.

2. End the call by pressing 🔄.

Note: You can answer a call while using Contacts or menu features. After ending the call, the phone returns to the function screen you were previously using.
Options During a Call

Your phone provides a number of control functions that are available for use during a call.

Turning the Speakerphone on and off

While on a call, you can use your Speakerphone by pressing the Speaker icon to turn the speakerphone on or off.

Tip: When the speaker is turned On, the color of the speaker is teal. When the speaker is turned Off, the color of the speaker is gray.

Switch to Bluetooth Headset

While on a call, switch to the Bluetooth headset instead of speaker by pressing the Headset icon.

Muting a Call

During a call you can activate the Mute feature. This feature is used, for example, during a multiparty call when you want to listen to the call but do not want to interrupt with background noise or talking.

1. Touch the Mute icon so the other caller cannot hear you speaking.
2. Touch the Mute icon to turn mute off and resume your conversation.
**Viewing the Call log**

During a call you can touch the **Calls** icon to view **All**, **Missed calls**, **Outgoing calls** or **Incoming calls**. This feature might be useful if, during a call, you want to add another contact to a multiparty call.

1. Touch the **Logs** icon to view the call history
2. Press **Back** to return to the In call screen.

**Placing a Call on Hold**

You can place the current call on hold whenever you want. If your network supports this service, you can also make another call while a call is in progress.

To place a call on hold:

1. Touch **Hold** to place the current call on hold.
2. Touch **Retrieve** to activate the call that is on hold.

To make a new call while a call is in progress:

3. Enter the new phone number that you want to dial or look it up in Call history.
4. Touch **Hold** to place the first caller on hold.
5. Touch **New call** to dial the second call.
6. Dial the new phone number and press 

To switch between the two calls:

1. Touch **Swap**.

   The In call number is now on hold and displays on the **On hold** tab, while the On hold number displays on the **In call** tab.

**Swapping Calls**

- Touch the **Swap** icon to place the current call on hold and then activate the previous call.
**Accessing the Contacts During a Call**

You can search for a number in Contacts during a call.

1. Touch the **Contacts** icon to access the Contact lists.
2. Press [ ] when you are finished.

**Ending a Call**

1. Briefly press [ ] to end the call.
   – or –
2. Touch the **End** icon to the right of the phone number for which you want to end the call.

**Call Log**

All incoming, outgoing and missed calls are listed in the Call history. You can also view Call time records or reset all the call time records.

1. From the Home screen, press [ ] then touch **Calls**.
2. Touch the **All** drop down to display the following options:

**All (calls)**

This menu lets you view the 90 most recent calls you received, dialed, and missed.

The name or number, if already stored in your Contacts, displays.

---

**Note:** At any time while you are in Call history, you may use the drop down list to scroll between **All**, **Missed calls**, **Outgoing calls**, and **Incoming calls**.

**Missed calls**

This menu lets you view the 30 most recent calls you received, but did not answer. The name and number, if already stored in your Contacts, displays.

**Viewing Missed Calls**

When you are unable to answer a call for any reason, you can find out who is calling you, if this service is available, so that you can call the person back.

The number of calls you missed displays on the idle screen immediately after a call is missed.
To view a missed call immediately:

1. If the display is off, press the Lock key to turn the display on. The missed calls display on the screen on the Missed Calls tab.

2. Press to call the displayed number.

Tip: You can press at any time to exit the Missed Call feature.

Outgoing calls

This menu lets you view the 30 most recent calls you dialed.
The name and number, if already stored in your Contacts, displays.

Incoming calls

This menu lets you view the 30 most recent calls you received.
The name and number, if already stored in your Contacts, displays.

Accessing Call Log Messages

After you select a category of calls from the All calls drop-down you can view Missed calls, Received and Sent messages for a selected number.

1. From the Home screen, press then touch Calls.

2. Touch the All drop down and select one of the categories Sent msg. or Received msg.

3. Touch one of the numbers in the list.

4. Touch the Left or Right Navigation key to display Missed calls, Received msg., or Sent msg. information.

5. Touch Contact details to view the details for this contact.

6. Touch Copy to dialing screen to display the number on the Dialer screen and call this contact.

7. Press to exit the screen.
Delete

Pressing this key allows you to delete the records in each call record separately, or you can delete all of your call records at one time.

1. From the Home screen, press \[\textit{MENU}\] then touch \textbf{Calls} \(\rightarrow\) \textbf{Delete}.

2. Touch the check box beside the number in the \textbf{Delete} list to select \textbf{Delete} or \textbf{Select all}, then touch the \textbf{Delete} soft key. The selected number or all the numbers are deleted, and the list redisplay.

\textbf{Note:} If \textit{All} is selected, the list redisplay but it is empty.

Making a Multi-Party Call

A multi-party call is a network service that allows up to six people to participate in a multi-party or conference call.

For further details about subscribing to this service, contact service.

Setting up a Multi-Party Call

1. Call the first participant in the normal way.

2. Touch \textbf{New call}, enter the second phone number and press \[\textit{\#}\].

3. Touch \textbf{Join}.

The two calls are now joined into a multi-party call and displayed in the order in which they were called.

\textbf{Important!}: A maximum of six callers can be joined to a single multi-party line. Additional callers participate in a new Multiparty session and held in conjunction with the previous multiparty call. You can swap or place each multi-party call on hold.

Having a Private Conversation With One Participant

When you have two participants in a multi-party session, you might be necessary to place one of those participants on hold so that a private conversation can be held with a single caller. While you are in a multi-party call:

1. Touch \textbf{Split}.

The short list of call participants displays the callers in the order they were dialed.
2. Select the number for the participant in which you want to speak privately. You can now talk privately to that person while the other participants can continue to converse with each other. If there is only one other participant, that person is placed on hold.

3. To return to the multi-party call, touch the Join icon. All of the multi-party call participants can now hear each other.

**Dropping One Participant**

If the call is joined:

1. Touch Split from the screen and select the number to split.
2. Touch the On hold tab then touch End held call to drop the call on hold.
3. Touch End call from the screen; select the number to drop, then touch Done.
4. Touch End call from the screen.
5. From the End call screen, select All calls and touch Done to end all calls.

**Putting a Call on Hold**

You can place the current call on hold whenever you want. You can also make another call while you have a call in progress if your network supports this service.

To place a call on hold:

- Touch the Hold icon.

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

1. Call the first participant in the normal way.
2. Touch New call, enter the second phone number and press . The first call is automatically placed on hold.

When you have both an active call and a call on hold, you may switch between the two calls.

To switch between the two calls:

1. Touch either the Active call tab, or the On hold tab, and touch the Swap icon. The current active call is placed on hold and the call on hold is then reactivated so that you can continue conversing with that person.
2. To finish, end each call normally by pressing .

**Searching for a Number in Contacts**

You can search for a number in Contacts during a call.

1. Touch the **Contacts** icon.

With Contacts displayed:

2. Touch the contact name displayed in the list to view the entry.
   - The Contact information displays.

**Call Waiting**

You can answer an incoming call while you have a call in progress, if this service is supported by the network and you must have previously set the Call waiting option to **Activate**. For more information, refer to “Call Settings” on page 155.

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

To answer a new call while you have a call in progress:

1. Press  to answer the incoming call. The first call is automatically put on hold.
2. Touch the In call/On hold tab to switch between calls when you have two call in progress.
3. Touch the On hold tab, then touch the End call icon.
4. Touch the call to end, then touch Done.
5. Touch **End call**, then select the call you want to end and touch **Done**.
6. Touch **End call**, then select All calls and touch **Done**.

**Voice Recognition**

Nuance is an advanced speech software used to activate a wide variety of functions on your phone. Nuance software automatically voice activates (up to 2,000 contacts) for voice dialing and searching. No prerecording or training needed. Speak a contact name naturally to dial, and use your voice to look up contacts, launch applications and navigate phone menus.

1. From the Home screen, press  then touch **Voice recognition**.
2. At the voice prompt, say a command. The list of available commands is listed below.
Note: This list of voice commands is briefly displayed.

**Say a Command Options**

- **Call <Name or #>:** dials a name or number listed in your contact list. If multiple numbers exist (i.e. home, work, or other) say the name and the number type (location).

- **Send Text <Name or #>:** displays the Create Text Message screen.

- **Lookup <Name>:** allows you to use a voice command to locate and display contact information stored in Contacts. For more information, refer to "Finding a Contact Entry” on page 70.

- **Go to <Menu>:** accesses all the features of your phone if they are activated, such as: Web, Calendar, Ringtones, Tasks, Contacts, Voice mail, and Games.

- **Check <Item>:** lets you check your phone's status in the same report (Status, Messages, Missed Calls, Time, Signal Strength, Network, Battery, My Phone Number, and Volume).

While the Say a command screen displays you have two options:

- **Tutorial:** provides examples of how to use the voice commands.

- **Settings:** lists the settings for voice command software such as: Confirmation, Adaptation, Audio Modes, Speakerphone, and About.

If the phone does not recognize your command the Command not recognized screen displays with two options:

- **Restart:** touch and try the command options again.

Speak clearly when giving your command. There is no need for you to speak slowly or with added emphasis. The voice software has been optimized to understand your speech in its natural form. If it does not recognize your command after a few seconds, a voice prompt asks you to repeat the command. If it does not recognize your command again, the following message displays “Sorry, no match found,” and voice turns off.

**Important!** You must end your current Voice Commands call before you can make another call.

**Voice Tips**

- Wait for the tone before you speak.

- Speak clearly and at a normal volume.

- There is no need to use paused speech. The voice software has been trained to recognize natural speech, and performs best when you speak naturally.
• In very noise environments, it may be helpful to use the supplied earset or optional Bluetooth headsets.

**Contacts Voice Activation**

On startup, Nuance reads your Contacts and voice-activates all the names.

When you have add or change contacts, Nuance automatically reloads and voice-activates the list when you add or modify a contact.

**Name Dialing**

To use Name Dial, you need entries stored in your Contacts. For information on creating Contact entries, see “Storing a Number in the Phone’s Memory” on page 68.

To access Voice:

1. From the Home screen, press **MENU** then touch **Voice recognition**.

2. Say “**Call**” followed by the first and last name of the contact that you want to dial.

   The name that you said is repeated through the earpiece and your phone dials the number.

3. If Nuance is not sure of the name that you said, a list of possible matches displays on the screen.

4. You are asked to confirm the correct name as Nuance displays the results. Say “**Yes**” or “**No**” to confirm or reject the number when prompted.

   The location is repeated through the earpiece and your phone dials the number.

**Send Text Message**

To access Voice:

1. From the Home screen, press **MENU** then touch **Voice recognition**. (page 2).

   After a brief pause, tutorial are available. Touch skip to skip the tutorial. When the tutorial is finished, command display on the screen as well as the “**Say a command**” message.

2. Say “**Send Text**” at a distance of 3-8 inches from the microphone. “**Say the Name or number**” plays.

3. After you say a name, you might be prompted, “**Did you say send text to...?**” To confirm a name or number, wait for the beep and “**Listening**” to display, then say “**Yes**”.

4. When the Text Message client launches, touch the screen and compose your text message.
**Name Lookup**

To perform a name lookup, you will need to have some entries in your Contact list.

To access Voice:

1. From the Home screen, press `MENU` then touch **Voice recognition**.
   
   After a brief pause, a list of available commands displays on the screen along with the “**Say a command**” message.

2. Say “**Lookup**” at a distance of 3-8 inches from the microphone. “Say the name” plays through the earpiece.

3. Say the name exactly as it displays in your Contacts, first name followed by last name.

4. The contact name displays on the screen with other information that you have entered for that contact.

**Opening Applications**

You can open an application or access a menu on your phone using Voice.

To access Voice:

1. From the Home screen, press `MENU` then touch **Voice recognition**.
   
   After a brief pause, a list of available commands displays on the screen along with the “**Say a command**” message.

2. Say “**Go To**” at a distance of 3-8 inches from the microphone. A list of options displays.

---

**Note:** You can also say, “**Go To**” followed by the name of the application, such as, “**Web**”.

The spoken application menu option activates.
Checking Phone Status

Use the Check command to see and hear status information from your phone, including its phone number, status, current signal strength, and battery level.

To check phone status:

1. From the Home screen, press \(\text{MENU}\) then touch Voice recognition.
   
   After a brief pause, a list of available commands displays on the screen along with the “Say a command” message.

2. Say “Check” at a distance of 3-8 inches from the microphone. A list of options displays.
   
   The spoken application menu option displays.

Voice Settings

Confirmation

Nuance uses a confirmation list when a name or number is not clearly recognized. The software displays three choices and prompts you to select a choice.

You can modify the way Nuance uses the confirmation list in the settings. Each time Nuance activates you can choose to view the confirmation list even if there is only one choice. Additionally, you can choose never to view a confirmation list, even if there are multiple choices. When the name or number you speak is not recognized, the Automatic setting displays the confirmation list.

1. From the Home screen, press \(\text{MENU}\) then touch Voice recognition.
   
   After a brief pause, a list of available commands displays on the screen along with the “Say a command” message.

2. From the “Say a command” screen, touch Settings \(\rightarrow\) Confirmation.

3. Select one of the following options:

   - **Automatic**: Nuance displays a confirmation list only when it is not sure if it has correctly recognized the name or number.
   - **Always Confirm**: Nuance always displays a confirmation list, even when there is only one choice.
   - **Never Confirm**: Nuance never displays a confirmation list.
Adaptation

If Nuance frequently does not recognize your commands, adapting digit dialing to your voice improves the accuracy of digit.

After you adapt Digit Dial, your phone recognizes only your voice. Other users are not able to use the handset with Nuance unless the handset is reset to factory defaults.

Adapting requires recording multiple sequences of digits. The entire adaptation process takes approximately one minute.

1. From the Home screen, press 📮 then touch Voice recognition.
   After a brief pause, a list of available commands displays on the screen along with the “Say a command” message.

2. From the “Say a command” screen, touch Settings ➔ Adaptation.

3. Touch Adapt Voice.

4. Touch Start to begin adaptation or touch Back to cancel.

5. The screen displays an adaptation message. The entire adaptation process takes just a couple of minutes to complete.

Tip: Perform the adaptation process in a quiet room.

Audio Modes

Your voice software includes an interface that allows you to customize your voice, mode setting to match your experience and comfort level with voice commands.

1. From the Home screen, press 📮 then touch Voice recognition.
   After a brief pause, a list of available commands displays on the screen along with the “Say a command” message.

2. From the “Say a command” screen, touch Settings ➔ Audio Modes.
3. Select one of the following options:
   - **Expert Mode**: turns off the voice and text prompts.
   - **Prompt Mode**: this is the default mode. Uses a voice prompt to confirm your selection and also displays a confirmation screen.
   - **Readout Mode**: displays text on the screen, then reads it out loud.

**Speakerphone**

The Speakerphone feature allows you to turn voice through the speakerphone On or Off. You can also automatically connect to the speakerphone if you select Automatic.

**About**

The About option displays information about Nuance including version number, LVR number, Build number, and device number.
Section 6: Entering Text

This section outlines how to select the desired text input mode when entering characters into your phone. This section also describes how to use the T9 predictive text entry system to reduce the number of key strokes associated with entering text.

Using the QWERTY Keyboard

This phone also offers the convenience of a slideout QWERTY keyboard. Using the QWERTY keyboard, you can type letters, numbers, punctuation, and other special characters into text entry fields or other applications simpler and faster than using the telephone keypad.

The following keys perform special functions when entering text:

1. **Emoticon** displays a list of emoticons to insert into messages.
2. **Alt** allows you to use characters displayed at the top of the QWERTY keys. Examples: $, @, #, !
3. **Sym/shift** displays pages of Symbols. Choose from an extensive list of symbols and other character sets. Alt+Sym/shift allows you to enter the Symbol displayed on the key. Also converts the alphabetic character into uppercase. Changes the text input mode to Upper/Lower case mode.

4. **www/.com**  Alt+Sym/shift inserts www. Press www/.com key to enter the .com when entering a URL in the browser, or when logging in to Instant Messenger.

5. **Space** inserts an empty space.

6. **OK** allows you to accept the choices offered when navigating through a menu.

7. **Return** moves the insertion point to the next line in a message.

8. **Navigation keys** scrolls through the phone’s menu options.

9. **Backspace** deletes the previous character, similar to the backspace key on a computer keyboard.

The keyboard provides dual-use keys labeled with alphabetic characters on the lower half and numbers and symbols on the upper half. Touch the key corresponding to the character you want to enter.

**Changing the Text Input Mode**

When using your phone, you often need to enter text, such as when storing a name in your Contacts, creating your personal greeting or scheduling events on your calendar. You can enter alphanumeric characters by using your phone’s keypad.

Your phone has the following text input modes:

- **ABC**: this mode allows you to enter letters by pressing the key labeled with the corresponding letter.
- **T9Ab**: this mode allows you to enter words with only one keystroke per letter. The T9 mode automatically compares the series of keystrokes you make with an internal linguistic dictionary to determine the most likely word, thus requiring fewer keystrokes than the traditional ABC mode.
- **Numeric**: this mode allows you to enter numbers. (Numeric displays on the external screen only).
- **Symbols**: this mode allows you to enter symbols, such as punctuation marks.

---

**Note:** When you are in a field where you can enter characters, the text input mode indicator displays on the top right portion of the screen.
There are two different methods for changing Text Input Mode, depending on which mode you are holding the device (portrait, or landscape). In Portrait mode a 3x4 numeric keypad displays with the default set to T9Ab (predictive text) mode. In Landscape mode a QWERTY keypad displays in Abc (text) mode.

**Changing Text Input Mode - Portrait mode**

1. Tap the screen to display the keypad.
2. Touch the **T9Ab** key and select from the following:
   - Abc
   - ABC
   - abc
   - Numeric
   - Symbols
Using T9 Mode

T9 is a predictive text input mode that allows you to key in any character using single keystrokes. This text input mode is based on a built-in dictionary.

**Note:** T9 mode works only in Portrait mode.

To enter a word in T9 mode:

1. When you are in T9 mode, start entering a word by pressing the 2 to 9 keys. Touch each key only once for each letter.

**Example:** To enter “Hello” in T9 mode, touch the 4, 3, 5, 5, and 6 keys.

The word that you are typing displays on the screen. It may change with each consecutive key that you touch.

2. Enter the whole word before editing or deleting the keystrokes.

3. When the word correctly displays, go to step 4.

   If the word does not display correctly, other word choices display on the screen from which to choose. If these choices do not include the word you want to use, add a new word into the T9 dictionary.

**Example:** Both the words “Of” and “Me” use the 6 and 3 keys. The phone displays the most commonly used choice first.

4. Insert a space by pressing **Space** and start entering the next word.

To add a new word into the T9 dictionary:

1. If the word does not display in the alternate choices, touch the pull-down menu and select **Add word**.

2. Enter the word you want to add using ABC mode. For more information, refer to “Changing the Text Input Mode” on page 63.

3. Touch **Done** to accept the newly added word.

   The word is added to the T9 dictionary and becomes a word for the associated key press series.
Note: This feature may not be available for some languages.

- To enter periods, hyphens, and other special characters, touch **Symbols** and then touch the corresponding key. If the symbol does not display on the initial screen, touch the left or right key to display the next set of symbols. Press **T9Abc** to return to the T9Abc input mode.
- To shift case in T9 mode, touch **Shift** and then touch the desired letter on the keypad. There are 3 cases: Initial capital, Capital lock, and Lower case.
- You can move the cursor by pressing the screen. To delete letters, touch. To clear the display, touch and hold.

**Using ABC Mode**

To use ABC mode, use the 2 to 9 keys to enter your text.

- Touch the key labeled with the letter you want:
  - Once for the first letter, twice for the second letter, and so on.

**Using Numeric**

The Numeric mode enables you to enter numbers into a text message.

- Touch the keys corresponding to the digits you want to enter.

**Using Symbols**

Symbol mode enables you to insert symbols and punctuation marks into text. To display a list of symbols touch **Symbols** (portrait mode).

Entering Symbols in Portrait Mode:

1. To select a symbol, touch **Symbols**.
2. Touch the left or right arrow keys to display more symbols.

Entering Symbols in Landscape Mode:

1. Press **Alt** and touch the symbol on the key that displays the symbol you need.
2. Touch to clear the symbol(s). Touch and hold to clear the display.

Tip: The cursor moves to the right when you touch a different key. When entering the same letter twice or a different letter on the same key, wait for a few seconds for the cursor to automatically move to the right, and then select the next letter.
**Keys**

By default, the first letter of an entry is capitalized and all consecutive letters are kept in lowercase (unless you touch the Shift key). After entering a character, the cursor automatically advances to the next space after two seconds or when you enter a character on a different key.

Keys display in two formats: Portrait (keypad) and landscape (QWERTY keyboard). Depending on which format you are using (portrait or QWERTY), the keys are associated with different letters and/or characters. Refer to the following layouts to determine which keys are associated with letters, characters, or symbols.
Section 7: Understanding Your Contacts List

This section explains how to use and manage your Phonebook. You can save phone numbers to your phone’s memory or to your SIM card.

Using Mobile Address Book

Use the following procedures to store a new contact to your phone.

Storing a Number in the Phone’s Memory

The default storage location for saving phone numbers to your Phonebook is your phone’s built-in memory.

Note: Before you can save a contact to the Phone, Contact settings must be set to Save new contacts to Phone. For more information, refer to “Save new contacts to” on page 76.

When you access the Phonebook for the first time, or if you use another SIM card in this phone, the Mobile Address Book feature copies the information stored on your SIM card to the phone’s memory.

Note: When storing an entry into your SIM card, note that only the Name and Number are saved. To save additional information for a particular contact, such as notes, e-mail, dates, and so on, it is important to save that Contact into your phone’s onboard memory.

1. From the Home screen, touch Contacts.
2. Touch Create contact.
3. Touch the Phone tab.

Important!: The Phone or SIM tab determine where the new contact information saves.

4. Touch the First name field, enter a first name using the displayed keypad and touch Done.
5. Touch the Last name field, enter a last name using the displayed keypad and touch Done.
6. Enter a phone number, email, or other information into one of the following fields using the displayed keypad and touch Done:

- **Mobile**: assigns the number entered to the Mobile entry.
- **Home**: assigns the number entered to the Home entry.
- **Work**: assigns the number entered to the Office entry.
- **Other number**: allows you to enter an additional phone number for this entry.
- **Email**: assigns the number entered as private Email.
- **Group**: allows you to assign this contact to a group.
- **Ringtone**: allows you to select a sound to use as a ringtone.
- **Vibration**: the phone vibrates when there is an incoming call from this contact.
- **Birthday**: allows you to enter a birthday Month, Day, and Year for this contact.
- **Address**: allows you to enter an address for this contact.
- **Notes**: allows you to enter notes for this contact.

**Note**: You can save up to 2,000 phonebook entries.

7. Touch **Add more fields** to add additional information.

8. Touch **Save** when you are finished.

**Storing a Number on the SIM Card**

The default storage location for saving phone numbers to your Phonebook is your phone’s built-in memory. To save a number to your SIM card, you first need to change the **Save new contacts** option. For more information, refer to “**Save new contacts to**” on page 76.

**Note**: To view numbers on the SIM card you must set **View contacts from** to **All** or **SIM** in the Contact settings menu.

1. From the Home screen, touch **Contacts**.
2. Touch **Create contact**.
3. Touch the **SIM** tab.
4. Touch the **Name** field, enter a name using the displayed keypad.

5. Enter a number in the **Phone number** field.

6. Touch **Save** when you are finished.

---

**Note:** For further details about how to enter characters, see “Using ABC Mode” on page 66.

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**Finding a Contact Entry**

You can store phone numbers and their corresponding names onto either your SIM card or phone’s built-in memory. They are physically separate but are used as a single entity, called Phonebook.

Depending on the storage size of the particular SIM card, the maximum number of phone numbers the card can store may differ.

1. From the Home screen, touch **Contacts**.

2. Touch the Contact entry.
   - or –
   Tap the **Search** field, enter a contact name or number and touch **Done**.
   - or –
   Touch and hold the slide bar and drag to the desired name.

3. When you locate the entry, press 📞 to dial the number or touch:
   - **Edit** allows you to edit the Name and number for the selected contact.
   - **Delete**: allows you to delete the selected name and number from your Phonebook or delete multiple numbers. You are asked to confirm that you want to delete the name and number by pressing **Yes**. Touch **No** to cancel.
   - **More**: allows you to
     - **Print via Bluetooth**: sends the contents of the selected contact to a Bluetooth enabled printer.
     - **Send namecard via**: allows you to select a contact in which to send your namecard.
     - **Copy to SIM**: allows you to copy contacts from the Phone to the SIM card.
   - **Back**: displays the previous screen.
Making a Call from Contacts

Once you have stored phone numbers in the Contacts list, you can dial them easily and quickly by using the location numbers that were assigned to them.

Note: If you cannot remember a location number, you must search the Phonebook to find an entry by name. For more information, refer to “Finding a Contact Entry” on page 70.

Delete

Important!: Once contact entries are deleted, they cannot be recovered.

This option allows you to delete your contacts. For more information, refer to “Deleting all of the Contacts Entries” on page 72.

Adding a New Caller Group

1. From the Home screen, touch Contacts.
2. From the pull-down list select Groups.
3. Touch Create group.
4. Enter a name for the new group in the Group name field.
5. Touch the Group picture field and touch Take photo or Caller image.
6. If you selected Take photo in step 5, see “Take and Send Photos” on page 118.
   — or —
   If you selected Caller image in step 5, touch Photos, touch a photo in the list to represent this group, and touch Add.
7. Touch the Group ringtone field and select a sound from the Sounds folder.
8. Touch the Group vibration field, touch Vibration 1-5 then touch Save.
9. Touch Save when you are finished. Your Caller group settings save.
10. Choose Yes if you want to add members to this group.
11. Select the contact(s) for this new group.

12. Touch Add. You have Added members to the New Caller Group.

Editing a Caller Group

1. From the Home screen, touch Contacts.

2. From the pull-down list select Groups.

3. Touch the group you want. When the group displays, touch More → Edit.

4. Touch the field to edit, enter or select the new information and touch Save when you are finished.

Deleting all of the Contacts Entries

You can delete all your entries from your phone’s memory, your SIM card, FDN, or All.

Important!: Once Phonebook entries are deleted, they cannot be recovered.

1. From the Home screen, touch Contacts.

2. Touch Delete.

3. Touch Select all or touch the check box beside each entry you want to delete and touch Delete. The selected entry or all of the Phonebook entries are deleted.

Speed Dialing

Once you have stored phone numbers to Contacts, you can set up to 17 speed dial entries and then dial them easily whenever you want, simply by pressing the associated numeric key. In phone mode, to speed dial the numbers assigned to keys (2 to 18), touch and hold the appropriate key.

Setting Up Speed Dial Entries

1. From the Home screen, touch Contacts. Your contact list displays.

2. From the pull-down list select Speed dial.

3. Touch the keypad number key to where you want to assign the new speed-dialing number (keys 2 through 18). The contact list displays.
4. Touch a contact entry or search for a contact entry. The selected contact is now assigned to the number key you pressed.

Note: Memory location 1 is reserved for your Voice mail server number and this speed dial location can not be changed. The voice server number can be altered by editing the Voice mail number in the Contacts.

My Profile

My Profile allows you to create a virtual business card. Once completed, you can send the card to recipients as a V-card attachment.

Note: As with any profile, your profile can be associated with a group.

To create a profile:

1. From the Home screen, touch Contacts. Your contact list displays.

2. Touch My profile.

3. Touch Edit.

4. Touch the First name field and enter a first name for this profile.

5. Touch the Last name field and enter a last name for this profile.

6. Touch one of the Phone number types (Mobile, Home, or other type) and enter the information into the field.

7. Continue to enter the rest of the information into the appropriate fields.

8. Touch Save to confirm your information.

Contacts Management

From the Contacts settings menu you can view and save contact information to or from the phone, determine the order of the display name, view a list of your own numbers, or configure One hand operation.

► From the Home screen, touch Contacts ➔ More.
Copy contacts

This option allows you to copy all contacts from your SIM memory to your Phone memory or from your Phone back onto your SIM card.

1. From the Home screen, touch **Contacts ➔ More**.
2. Touch **Copy contacts**.
3. Touch **Phone to SIM** or **SIM to phone**.
4. Touch the **Select all** check box or touch the check box next to each contact you want to copy and touch **Copy**. If you select **Phone to SIM**, you can see the **Some info might be lost Continue?** prompt.
5. Touch **Yes** to continue, or **No** to cancel the copy.

The selected contact(s) is copied from Phone memory to SIM memory or from the SIM memory to the Phone memory.

Move contacts

The Move option allows you to move all contacts from your SIM card to your Phone or from your Phone back onto your SIM card.

1. From the Home screen, touch **Contacts ➔ More**.
2. Touch **Move contacts**.
3. Touch **Phone to SIM** or **SIM to phone**.
4. Touch the **Select all** check box or touch the check box next to each contact you want to move and touch **Move**. If you select **Phone to SIM**, you can see the **Some info might be lost Continue?** prompt.
5. Select **Yes** to continue, or **No** to cancel the move.

The selected contact(s) is moved from Phone memory to SIM memory or from the SIM memory to the Phone memory.

Send name card via Bluetooth

The Send name card via BT (Bluetooth) option allows you to send your name card to a Bluetooth enabled device.

1. Create a name card (My Profile). For more information, refer to “My Profile” on page 73.
2. From the Home screen, touch **Contacts ➔ More**.

3. Touch **Send namecard via BT**.

4. Touch the checkbox to the right of the namecard you want to send to a Bluetooth enabled device.

5. Select **Send**.

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**Important!**: Bluetooth must be turned on (enabled) in order to send a namecard to a Bluetooth enabled device.

6. Touch the Bluetooth device to which you want to send the namecard.
   The namecard automatically sends to the selected device.

---

**FDN contacts**

FDN (Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers.

The FDN List allows you to set up a list of numbers your phone may dial.

Use Security settings to enable FDN mode. For more information on changing this setting, see “**Fixed Dialing Mode**” on page 152.

To enable FDN mode, a PIN2 number is required. You can obtain your PIN2 from service.

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**Note**: FDN mode must first be enabled in the Security settings. For more information on changing this setting, see “**Fixed Dialing Mode**” on page 152.

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To create an FDN contact list:

1. From the Home screen, touch **Contacts**.

2. Touch **More ➔ FDN contacts**.

3. Touch **Create FDN**.

4. Enter your **PIN2 code** obtained from Service and touch **Confirm**.

5. Enter **Name, Number ➔ Save**.
Contact settings

The Phonebook settings menus allow you to choose where your contacts are saved. Available options are:

View and Save to

From this menu you can decide how you want to view or save contacts.

View contacts from

This option allows you to view all the contacts stored on the Phone, SIM, or All.

1. From the Home screen, touch **Contacts ➔ More ➔ Contact settings ➔ View and Save to**.

2. Touch the **View contacts from** drop-down.

The following options are available:

- **All**: allows you to view all contacts stored to the Phone’s memory and the SIM memory when you view the phonebook.
- **Phone**: allows you to view contacts stored to the Phone’s memory.
- **SIM**: allows you to view contacts stored to the SIM memory.

Save new contacts to

The **Save new contacts to** option allows you to choose where your contacts are saved.

1. From the Home screen, press **MENU** then touch **Contacts ➔ More ➔ Contact settings ➔ View and Save to**.

2. Touch the **Save new contacts to** drop-down.

The following options are available:

- **Phone**: new phonebook contacts are saved to your phone. Your phone comes with the default set to Phone memory.
- **SIM**: new phonebook contacts are saved to your SIM card.

Order of display name

This menu allows you to select the order of the display name. Selections are: First name Last name, or Last name First name.

1. From the Home screen, press **MENU** then touch **Contacts ➔ More ➔ Contact settings ➔ Order of display name**.

2. Touch the radio button of the order you prefer and touch **Save**.
Own numbers
- From the Home screen, press \text{MENU} then touch \text{Contacts} \rightarrow \text{More} \rightarrow \text{Contact settings} \rightarrow \text{Own numbers}.

The list of your own numbers displays for viewing.

One hand operation
The one-hand operation option is set to right-handed by default. You can set the power search tab to be either right-hand or left-hand “user friendly.”

1. From the Home screen, press \text{MENU} then touch \text{Contacts} \rightarrow \text{More} \rightarrow \text{Contact settings} \rightarrow \text{One hand operation}.

2. Touch \text{Right handed} or \text{Left handed} and touch \text{Save}.

Memory Status
You can check how many names and numbers are stored in the Phonebook, within the SIM card, Phone memory, and the FDN list. You can also see the current storage capacity of all three memories.

1. From the Home screen, press \text{MENU} then touch \text{Contacts} \rightarrow \text{More} \rightarrow \text{Memory status}.

The Phone, SIM and FDN status displays.
Section 8: Messaging Applications

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

Types of Messages

Your phone provides the following message types:

- Text Messages
- Picture Messages
- Voicemail
- Email
- Exchange email

Message Icons on the Icon Line

Icons displayed at the top of the screen indicate new messages were received. For more information, refer to “Icons” on page 19.

New Messages Tab

The New Messages Tab is an area that displays on the screen when a missed call, new message, or voicemail is sent to the phone.

There are three New Messages tabs that display icons are New message, Missed calls, and Voice mail message. You can search through missed calls or unviewed messages and select the associated message tab, and then touch the View or Exit.

Text Messages

Short Message Service (SMS) allows you to send and receive short text messages to and from other mobile phones.

The Message icon ( ) displays when you receive a new text message. When the memory is full, the message icon flashes on your phone and you cannot receive any new messages. You must delete a message before you can receive additional messages.

- Use the Delete option in each message box to erase obsolete messages.
Creating a Text message

In this menu, you can write and send a text message.

1. From the Home screen, touch Messages → Create message.
2. Tap the screen to display the keyboard and create your message.
3. Touch Back when you finished entering your message.

Tip: Sliding the QWERTY keyboard open displays the QWERTY keyboard. Holding the phone in the vertical position displays the numeric keypad.

Note: For further details about entering characters, see “Using T9 Mode” on page 65. For more information about entering characters, see “Using ABC Mode” on page 66. If you add a page or another item to the message, the message type automatically changes to a Picture message.
4. Touch Other and select from the following:
   - **Text template**: allows you to select a Text Template to attach to this message.
   - **Insert from contacts**: allows you to select a contact profile from Contacts.
   - **Bookmarks**: allows you to select a URL to attach to this message.

5. Touch **Send to**.

6. Select one of the following from the **Send to** menu and touch **Add** when you are finished.
   - **Recent recipients**: allows you to select a number or an address from the last 10 destinations you entered.
   - **Contacts**: allows you to enter the phone number you want from your Contacts.
   - **New number**: allows you to enter a phone number not already listed in the Contacts.

7. Touch the **To** field repeat step 3 to add additional recipients to this message.
   - or –

   Touch **More** and select **Add recipients**.

8. Touch **Send** when you are finished entering the destinations.

**Picture Messages**

This menu allows you to use the Multimedia Message Service (MMS).

Picture messaging is a messaging service that provides delivery of personal multimedia messages from phone to phone or from phone to email.

In addition to the familiar text content available via traditional text messages, multimedia messages can contain images, graphics, voice, and audio clips. A Picture Messaging message is a picture presentation contained in a single file. It is not a text file with attachments.

The Message icon (✉️) displays when you receive a new picture message.

Using the Picture Message feature, your phone can receive and send messages that contain multimedia files, such as photos, sounds and images that you downloaded from the Internet and voice notes you recorded. This function is available only if it is supported by your carrier. Only phones that offer multimedia messaging features can receive and display picture messages.
Creating and Sending a Picture Message

1. From the Home screen, touch Messages \(\rightarrow\) Create message.

2. Tap the screen to display the keyboard and create your message.

Tip: Sliding the QWERTY keyboard open displays the QWERTY keyboard. Holding the phone in the vertical position displays the numeric keypad.

Note: For further details about entering characters, see “Using T9 Mode” on page 65. For more information about entering characters, see “Using ABC Mode” on page 66.

3. Touch Back when you finished entering your message.

4. Touch Image to add a picture to this message and select from the following, then touch Add:
   - Take photo: launches the camera and allows you to take a photo to attach to this message.
   - Add from photos: allows you to select a picture from the Photos album to attach to this message.

5. Touch Sound to add a sound to this message and select from the following, and then touch Add:
   - Record sound: allows you to record a voice message to attach to this message.
   - Add from sounds: allows you to select a sound from the Sounds folder to attach to this message.

6. Touch Video to add a video clip to this message and select from the following, and then touch Add:
   - Record video: allows you to record a video clip (up to 1019kb) to attach to this message.
   - Add from videos: allows you to select a video to add from the Videos folder.

7. Touch Other and select from the following:
   - Text template: allows you to select a Text Template to attach to this message.
   - Insert from Contacts: allows you to select a contact profile from the Contacts.
   - Bookmarks: allows you to select a URL to attach to this message.

8. Touch More and select from the following:
   - Preview: allows you to preview the message prior to sending.
   - Add page: allows you to add a page to this picture message.
   - Add subject: allows you to add a subject to this picture message.
• **Add attachment**: allows you to add a File, Name card, Event, Task, or Memo as an attachment.

• **Edit style**: allows you to select a page, modify the Background color, Font color, Font style, or Page duration for this picture message.

• **Sending options**: allows you to configure the sending options such as, Priority, Expiration, Delivery time, Request delivery report, Request read report, or Keep a copy. If the selected message is a text message, these options include: Reply path and Delivery report.

• **Select language**: allows you to set the language for this message. Choices are: English, Français, or Español.

9. Touch **Send to**.

10. Select one of the following from the **Send to** menu and touch **Add** when you are finished.

   • **Recent recipients**: allows you to select a number or an address from the last 20 destinations you entered.

   • **Contacts**: allows you to enter the phone number you want from your Contacts.

   • **New email**: allows you to enter a new email address in which to send this message.

   • **New number**: allows you to enter a phone number not already listed in the Contacts.

   The number or address you selected enters in the **To** field.

11. Touch **Send**.

**Message Inbox**

The Inbox stores received messages. You can tell what kind of message was received by the icon displayed. If the icon envelope is open then the message was read, otherwise a closed envelope displays.

The following types of messages may display in your inbox:

- Text messages
- Picture messages

When you enter the Inbox, the list of messages displays with the sender’s phone numbers, or names, if available in your Contacts. After you read the message, the open envelope icon displays. If the Inbox is full when a new text message is received, or the SIM card is full, the text message saves to the phone and the Text message (saved to Phone) icon displays.

- From the Home screen, touch **Messages → Inbox**.
Viewing a Text Message from the Inbox

1. From the Home screen, touch Messages → Inbox.
2. Select a text message from the list to view the message.
3. Press More to select from the following:
   - **Forward**: allows you to forward the text message to another person.
   - **Save in Contacts**: allows you to Add New, or Update the contact information.
   - **Move to Phone/SIM**: moves the selected text message to either the Phone memory or the SIM card.
   - **Move to folders**: moves the selected message to another folder.
   - **Save as template**: saves the message as a text template.
   - **Save to**: saves the text message as an Event or as a Memo.
   - **Print via Bluetooth**: sends the selected text message to a Bluetooth enabled printer.
   - **Lock/Unlock**: Allows you to lock the message to protect it from deletion, or unlock the message to allow deletion.

Viewing a Picture Message from the Inbox

1. From the Home screen, touch Messaging → Inbox.
2. Select a picture message from the list to view the message.
3. Touch More to select from the following:
   - **Forward**: allows you to forward the text message to another person.
   - **Move to folders**: moves the selected message to another folder.
   - **Save in contacts**: allows you to save the number to Contacts.
   - **Save as template**: saves this message as a picture message template.
   - **Print via Bluetooth**: sends the selected message to a Bluetooth enabled printer.
   - **Save attachment**: saves the attached media.
   - **Properties**: displays the properties for the attached media.
   - **Lock/Unlock**: Allows you to lock the message to protect it from deletion, or unlock the message to allow deletion.
**Viewing a Received Picture Message**

When a new picture message comes in, the Messages tab displays the missed Picture Messaging Message icon.

1. From the Messages tab, press the **View** key to view the picture message.

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**Note:** The message displays as a missed Picture message.

2. Press the **Exit** soft key if you want to view the message later in the Inbox.

3. Press [ ] to return to Idle mode.

**Listening to a Voice Note from the Inbox**

1. From the Home screen, press [ ] ➔ touch **Voice List (3rd page)**.

2. Select a voice note from the list.

3. Touch **Pause** to stop listening to the voice note.

4. After listening to a Voice Note, you may choose the following options:
   - **Reply to:** allows you to compose and send a reply to the sender by sending a message.
   - **Set as:** to set the voice note as a Ringtone, Individual Ringtone, or Alarm tone.
   - **Delete:** allows you to delete the select message.
   - **Send via:** allows you to send this voice note as a message or to a Bluetooth enabled device.
   - **More:**
     - **Details:** displays voice note details.
     - **Forward:** allows you to forward the message to another number.
     - **Back:** displays the previous menu.
     - **Move to Folders:** moves the selected message to a personal folder. At the create folder prompt, touch OK. Enter a name for the new folder and touch Done > Save. Or, if a folder already exists touch the desired folder. From the Voice list folder, touch Create folder to create a folder.
   - **Manage:**
     - **Move:** Allows you to move the voice note.
     - **Copy:** Allows you to copy the voice note.
     - **More:**
       - **Delete:** allows you to delete this voice note.
- **Rename**: allows you to rename this voice note.
- **Sort by**: allows you to sort by Date, Type, Name and Size.
- **Send via Bluetooth**: allows you to send this voice note using a Bluetooth enabled device.

5. Touch **OK** to save your selections.

### Viewing a Push Message in the Inbox

A Push Message is a method for your service provider to deliver content (such as, images, ringtones, software upgrades, information, and so on) to mobile phones that are WAP enabled. You cannot initiate or reply to WAP Push Messages. The WAP Push Message may direct you to go to a URL that is included in the message for further information and/or updates, or it may be information only.

1. From the Home screen, touch **Messages ➔ Inbox**.

2. Touch a Push message in the list to view the message.

3. After viewing a Push message, you may choose the following options:
   - **Reply**: allows you to send a reply to the sender by sending a message.
   - **Delete**: allows you to delete the selected push message.
   - **More**:
     - **Forward**: allows you to forward the message to another number.
     - **Save in Contacts**: stores the number in your Phone memory, or updates the information if the number is already saved.
     - **Save as template**: allows you to save the push message text as a template.
     - **Print via Bluetooth**: sends the message to a Bluetooth enabled printer.

### Sorting Inbox Messages

Your Inbox messages can be sorted by Date, Sender, Type, Subject, Size, and Lock/Unlock.

To sort the Inbox:

1. From the Home screen, touch **Messages ➔ Inbox**.

2. Touch **Sort by** and select a method by which you want to view the messages (Date, Sender, Type, Subject, Size, Lock/Unlock).
Moving Messages from the Inbox

You can move messages from the Inbox to another folder or location.

To move messages:

1. From the Home screen, touch **Messages ➔ Inbox**.

2. **More ➔ Move**.

3. Touch the check box next to each message you want to move to another folder or location.

4. Touch **Move to folders**.

Voice mail

This menu helps you access your voice mailbox, if provided by your network. You can also setup Visual Voicemail from this menu.

1. From the Home screen, touch **Messages ➔ Voice mail**.

   – or –

2. Touch and hold ✆ to connect to voice mail.

---

**Important!**: Voice mail is a network feature and charges may apply. Please contact service for further details.

3. At the prompt, touch **Yes** if you want to activate Visual Voicemail (VVM), or **No** to reject VVM. The following options display:

   - **Delete**: deletes the selected or multiple voicemail messages.

   - **Sort by**: allows you to sort the drafts folder by Recipient, Type, Subject, or Size.

   - **More**:

     - **Voicemail settings**: allows you to edit the name or center address for voicemail.

     - **Call voicemail**: dials the voice mailbox.

     - **Sync now**: synchronizes with the voicemail inbox and displays recent voicemail messages.

   - **Back**: displays the previous screen.

   When you select **Yes** to activate Visual Voicemail, the Visual Voicemail web page displays.
Important!: Before using the Voice Mail feature, you must enter the voice server number obtained from service in the Voice server number field.

- Voicemail settings: allows you to record a greeting, change your PIN, or activate the voicemail feature.
- Call voicemail: dials the voice mailbox.
- Sync now: synchronizes with the voicemail inbox and displays recent voicemail messages.

4. Follow the voice mail prompts.

Exchange Email

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

Before you begin synchronizing, record the URL address of the Exchange server, your Exchange account user name, and your Exchange account password. You will also need to know the domain name for the Exchange server and whether you will use SSL encryption.

1. From the Home screen, touch Messages ➔ Exchange email.
   The Active Sync Tutorial screen displays.
   – or –
   From the Home screen, touch MENU ➔ Messaging ➔ Exchange email.

2. Enter the appropriate information on the Server settings screen and touch Save to save your configuration.

Sentbox

This message box stores messages that you have sent or messages that you attempted to send but were not actually sent.

When you enter this menu, the list of messages in the box displays with the recipients’ phone numbers or names, if available in your Contacts.

1. From the Home screen, touch Messages ➔ Sentbox.
   A list of messages that are currently sending or have already sent displays.

2. Prior to viewing an outgoing message, you can choose one of the following options:
   - Create: allows you to create a message.
   - Sort by: allows you to display messages in the Sentbox by Date, Recipient, Type, Subject, Size, or Lock/Unlock.
• More:
  – Move: moves the selected message to a personal folder. At the create folder prompt, touch OK ➔ Create folder. Enter a name for the new folder and touch Save. Or, if a folder already exists, touch the desired folder.
  – Delete: allows you to delete a selected message from the Sentbox.

• Back: displays the previous screen.

---

Important!: In this example the options listed apply to a selected Text (SMS) message. Options vary depending on the type of selected message.

3. Select an outgoing message from the list to view the message and select one of the following options:

Note: Options vary depending on the selected message type.

• Forward: allows you to forward the message to another number.
• Delete: deletes the selected message from the Sentbox.

• More:
  – Move to Folders: moves the selected message to a personal folder. At the create folder prompt, touch OK. Enter a name for the new folder and touch Done. Or, if a folder already exists, touch Move.
  – Save in Contacts: stores the number in your Phone memory, or updates the information if the number is already saved.
  – Move to SIM: allows you to save the message to the SIM card.
  – Save as template: allows you to save the message as a template.
  – Save to: saves the selected message as an Event or Memo.
  – Print via Bluetooth: sends the selected message to a Bluetooth enabled printer.
  – Lock/Unlock: locks the message to protect it from deletion or unlocks it to allow deletion.

• Back: displays the previous menu.

4. Touch the icon to the right of the sent message to display these additional options:

  • Send to: allows you to send this message to Recent recipients, Contacts, or New number.
  • Save in Drafts: saves the selected message to the Drafts folder.
  • More:
  – Add page: allows you to add a page to this message. Automatically changes the type of message to a picture message.
  – Preview: displays a preview of this message.
– **Add subject**: allows you to add a subject to this message. Automatically changes the type of message to a picture message.
– **Add attachment**: allows you to add a File, Namecard, Event, Tasks, or Memo to this outgoing message as an attachment.
– **Edit style**: allows you to modify the Background color, Font color, Font style, or Page duration for this message.
  
  **Note**: this option automatically changes the format of the message to Picture message.
– **Sending options**: allows you to configure the sending options such as: Priority, Expiration, Delivery time, Request delivery report, Request read report, or Keep a copy. If the selected message is a text message, these options include: Reply path and Request delivery report.
– **Select language**: allows you to select which language to use when replying to a message. Choices are: English, Français, or Español.

**Note**: In the case that your message fails to send, the options would display differently than those previously listed.

5. Press 📞 to return to idle mode.

**Drafts**

This message box stores messages that you may want to edit or send at a later time.

When you enter this menu, the list of messages in the box displays.

1. From the Home screen, touch **Messages ➔ Drafts**.

   A list of draft messages displays.

2. Prior to viewing the draft the following options display:
   
   • **Create**: allows you to create a draft message.
   
   • **Sort by**: allows you to sort the drafts folder by Recipient, Type, Subject, or Size.
   
   • **More**:
     
     – **Move**: allows you to move the selected message to another folder.
     
     – **Delete**: allows you to delete a selected draft message.

3. While viewing a draft message, you can choose from the following options, depending on the type of message.
   
   • **Send to**: allows you to send the draft to Recent recipients, Contacts, New email, or a New number.
   
   • **Save in drafts**: allows you to resave this file to the drafts.
   
   • **More**:
Note: Options vary depending on the selected message type.

- **Preview**: allows you to preview the message prior to sending.
- **Add page**: inserts an additional page into the message and automatically converts to a Picture message.
- **Add subject**: allows you to add a subject to the message. Automatically changes the type of message to a picture message.
- **Add attachment**: allows you to insert an Event, Tasks, or Memo into the message.
- **Edit style**: allows you to modify the Background color, Font color, Font style, or Page duration for this message.
- **Sending options**: allows you to configure the sending options such as: Priority, Expiration, Delivery time, Request delivery report, Request read report, or Keep a copy. If the selected message is a text message, these options include: Reply path and Request delivery report.
- **Select language**: allows you to set the language for this message. Choices are: English, Français, or Español.

4. Touch **Send to** (while viewing the message) to send the message.

5. Press to return to idle mode.

**Folders**

Use Folders to manage and organize your messages and store them on your phone.

- From the Home screen, touch **Messages ➔ Folders**.

To create a new folder:

1. Tap the screen or touch **Create folder**.
2. Enter a folder name then touch **Save**.
   
   The newly created folder displays on the Messages screen.

**Templates**

Besides entering message text using the keypad keys, you can speed message composition by including copies of stored text (Templates) in your message.

**Creating a Text template**

1. From the Home screen, touch **Messages ➔ Templates**.
2. Touch **Text templates**.
3. Touch **Create**.
4. Tap the screen and enter the text for the text template and touch Save. For more information, refer to “Using ABC Mode” on page 66.

**Deleting a Text template**
1. From the Home screen, touch Messages ➔ Templates.
2. Touch Text templates.
3. Touch Delete.
4. Touch the check box to the right of the template(s) you want to delete and touch Delete.

**Creating a Picture Message Template**
1. From the Home screen, touch Messages ➔ Templates.
2. Touch Picture message template.
3. Touch Create.
4. Tap the screen and enter text for this message (if desired).
5. Tap the Subject field to enter a subject for this message.
6. Touch Image to add a picture to this message and select from the following:
   - **Take photo**: launches the camera and allows you to take a photo to attach to this message.
   - **Add from photos**: allows you to select a picture from the Photos album to attach to this message.
7. Touch Sound to add a sound to this message and select from the following:
   - **Record sound**: allows you to record a voice message to attach to this message.
   - **Add from sounds**: allows you to select a sound, music, or a voice list to attach to this message.
8. Touch Video to add a video clip to this message and select from the following:
   - **Record video**: allows you to record a video clip (up to 595Kb) to attach to this message.
   - **Add from videos**: allows you to select a video to add from the Videos folder.
9. Touch Other and select from the following:
   - **Text template**: allows you to select a Text Template to attach to this message.
   - **Insert from contacts**: allows you to select a contact profile from the Contacts.
• **Bookmarks**: allows you to select a URL to attach to this message.

10. Touch **More** for the following options: Preview, Add page, Add attachment, Edit style, Sending options, and Select language.

11. Touch **Save**.

12. At the **Enter new subject** pop-up, enter a subject for this template and touch **Done ➔ Save**.
   - The picture message template automatically saves.

**Editing the Style of a Picture Message Template**

The Edit style feature allows you to modify the Background color, Font color, Font style, or Page duration for this picture message template.

1. From the Home screen, touch **Messages ➔ Templates**.

2. Touch **Picture message template**.

3. Select a template from the list.

4. Touch **Edit**.
   - The template displays.

5. Touch **More ➔ Edit style**.

6. Touch the **Select page** pull-down menu to select **This page** or **All pages**.

7. Touch the **Background color** pull-down menu and select a color. Note: This option displays when you select All pages from the pull-down menu.

8. Touch the **Font color** pull-down menu and select a font color.

9. Touch the **Font style** pull-down menu and select a font style then touch **Change**.

10. Touch the **Page duration** pull-down menu and select a page duration. *(Note: This option is available only if you selected “This page” in the Select page field.) If you select **Custom Time**, enter the time, in seconds that you want the page to display to the recipient, then touch **Change**.*

11. Touch **Back** when you finish editing the picture message template.

12. Press 🔄 to return to idle mode.
Sending Options

1. From the Home screen, touch Messaging ➔ Templates.
2. Touch Picture message template.
3. Select a picture message template from the list.
4. Touch Edit.
5. Touch More ➔ Sending options.
6. Use the following options to set Sending options for Picture template messages.
   - Priority: allows you to select the priority level of your messages.
   - Expiration: set the length of time your messages are stored in the message center while the network attempts to deliver them.
   - Delivery time: you can set a delay time before the phone sends your messages.
   - Request delivery report: when this option is enabled, the network informs you whether your message was delivered.
   - Request read report: when this option is enabled, your phone sends a request for a reply along with your message to the recipient.
   - Keep a copy: you specify whether you want to keep a copy of the sent messages on your phone.
7. Touch Save to save your Sending options.

Messaging settings

Use the following settings when sending a Text or Picture message.

Text message settings

In this menu, you can set up a default text message. The last setting you accessed is automatically activated for sending subsequent messages.

From the Home screen, touch Messages ➔ Messaging settings ➔ Text message.

Sending options

1. Touch Sending options.
2. Touch one of the following options to set Send settings for text messages.
   - Reply path: allows the recipient of your message to send you a reply message using your message center, if your network supports this service.
   - Request delivery report: when this option is enabled, the network informs you whether your message was delivered.
3. Touch **Save**.

**Picture message settings**

Use the following options to set Send and Receive settings for Picture messages.

- From the Home screen, touch **Messages ➔ Messaging settings ➔ Picture message**.

**Sending options**

- **Priority**: you can select the priority level of your messages.
- **Expiration**: set the length of time your messages are stored in the message center while the network attempts to deliver them.
- **Delivery time**: you can set a delay time before the phone sends your messages.
- **Message size**: displays the size of the selected message.
- **Request delivery report**: when this option is enabled, the network informs you whether your message was delivered.
- **Request read report**: when this option is enabled, your phone sends a request for a reply along with your message to the recipient.
- **Keep a copy**: when this option is enabled, your phone maintains a copy of all the sent picture messages.
- **Add my namecard**: when this option is enabled, your phone allows you to attach a virtual business card to all picture messages.

**Receiving options**

- **Home network**: configures what to do with a message within the Home network. Options: Auto download, Manual, or Reject.
- **Foreign network**: configures what to do with a message within a Foreign network. Options: Auto download, Manual, Restricted, or Reject.
- **Send read report**: you can set the option to receive a Read report.
- **Send delivery report**: you can set the option to receive a Delivery report.
- **Reject unknown**: you can set your phone to automatically reject unknown messages.
- **Reject advertisement**: you can set your phone to automatically reject advertisements.

**Auto resize image**

1. Select one resize option: **No resize**, **100 KB**, **300 KB**, or **600 KB**.

2. Touch **Save**.

**Creation mode**

Creation mode allows you to select the creation mode, Free, Restricted, or Warning.
• **Free**: you may add any content to the message.

• **Warning**: the phone will warn you via pop up messages that you are creating a multimedia message which does not fit the Core MM Content Domain.

• **Restricted**: you can only create and submit messages with content belonging to the Core MM Content Domain.

**Default Style**

Allows you to select the Background color, Font color, Font style, and Page duration for all picture messages.

**Voicemail settings**

| Note: You cannot edit the Voicemail phone number field. |

   ▶ From the Home screen, touch **Messages → Messaging settings → Voice mail**.

**Broadcast Messages**

Broadcast messages are used to inform users of various information (such as billing changes, etc.).

   ▶ From the Home screen, touch **Messages → Messaging settings → Push message**.

   Broadcast messages display.

**Push Message Settings**

   ▶ From the Home screen, touch **Messages → Messaging settings → Push message**.

   • **Receiving options**: you can specify whether to turn push message reception **On** or **Off**.

   • **Service Loading**: specify whether to load this service: **Always**, **Prompt**, or **Never**.

**Delete by folder**

This menu allows you to delete all of the messages in each individual message box. Or, you can also delete All of your messages in all message boxes at one time.

| Important!: Once messages are deleted, they cannot be recovered. |

   1. From the Home screen, touch **Messages → Delete by folder**.

   2. Touch the checkbox to the right for a message box to clear.

   — or —
Touch **Select all** to delete all of your messages or touch a checkbox next to each category to delete and touch **Delete**.

3. At the **Locked messages** confirmation, touch **Yes** to delete your selections.

**Memory Status**

You can check the amount of the memory used and the memory remaining for Picture messages, Text messages, Push messages, or Configuration messages.

To view the memory status:

1. From the Home screen, touch **Messages → Memory status**.

2. Touch the drop-down menu to select the message type.

The display shows the total space including the used and free space. You can also view how much space and the number of messages currently occupying each message box type:

- **Picture message**
  - Inbox
  - Drafts
  - Sentbox
  - Folders

- **Text message** (saved on the Phone and SIM card)
  - Inbox
  - Sentbox
  - Drafts
  - Folders

- **Push message**
  - Inbox
  - Folders

- **Configuration**
  - Inbox
  - Folders
Section 9: Music

This section outlines the music applications available on your phone.

Music Player

Use Music Player to add music files or play music stored on your phone.

- From the Home screen, open the Widget bar then touch Music player.

1. Touch All tracks, Playlists, Artists, Albums, or Recently played.

2. Touch one of these options:
   - **Add to playlist**: allows you to add Multiple music files, or All music files to a playlist or current playlist.
   - **Settings**: allows you to configure settings such as Background playing, Sound effects, or the Music menu.
   - **Delete**: allows you to remove one or more music files.
   - **Back**: displays the previous menu.

3. Touch a music file to begin playback. While listening to music, touch one of these options:
   - **Library**: displays the Current playlist or allows you to display the Library.
   - **Send via Bluetooth**: allows you to send the current song to a Bluetooth headset.
   - **More**:
     - **Set as**: allows you to set this music file as a Ringtone, Individual ringtone, Alarm tone, Message tone, or Calendar reminder.
     - **Details**: displays Basic details about the selected music file.
     - **Settings**: allows you to configure settings such as Background playing, Sound effects, or the Music menu.
   - **Back**: displays the previous menu.

4. Touch a music file to begin playback.

Playing Music Files

You can play an individual track of music, or you can select music from a playlist, or play an entire Album.

1. From the Home screen, open the Widget bar then touch Music player.
   The Music library screen displays.

2. To browse for music to play, touch All tracks, Playlists, Artists, Albums, or Recently played.

The music player starts playing the music. During playback, use these controls:

- Press to return to the beginning of the track. Press and hold to scan backward through the track.

- Press to pause playback.

- Press to play the track.

- Press to move to the next track. Press and hold to scan forward through the track.

4. While listening to a music file, touch one of the following for options:

- **Library**: allows you to select a playlist or displays the music library.

- **Send via Bluetooth**: allows you to send the audio via Bluetooth to a Bluetooth headset.

- **More**:
  - **Set as**: saves the current music file as a Ringtone, Individual ringtone, or Alarm tone.
  - **Details**: displays information about the current music file such as Name, Format, Size, Forwarding, Date created, and Location.
  - **Settings**: allows you to set preferences for background playing, sound effects, and the music menu.

- **Back**: displays the previous menu.

**Music Player Shortcut Keys**

Shortcut keys allow you to control playback and change some settings using the keyboard, Navigation keys, and Volume key during playback.

- Press to return to the beginning of the track. Press and hold to scan backward through the track.

- Press to move to the next track. Press and hold to scan forward through the track.
Creating a Playlist
1. From the Home screen, open the Widget bar then touch **Music player ➔ Playlists ➔ Create**.
2. Tap the text field and enter a name for this playlist. For more information, refer to “Entering Text” on page 62.
3. Touch **Done** to save the new playlist and display it in Playlists.
4. Tap the icon next to the text field and select one of the following to add an image to this playlist.
   - **Take photo**: allows you to take a photo to represent this playlist.
   - **Add image**: allow you to add an image from the Images folder, or from the Photos folder.
5. Touch **Save**.

Adding Music to a Playlist
1. From the Home screen, open the Widget bar then touch **Music player**.
2. Touch **Playlists**, then touch the playlist to which you want to add music.
3. Touch **Add ➔ Tracks**.
4. Touch the checkbox to the right of each track you want to add to this playlist, or touch **Select all** to add all music tracks to this playlist, then touch **Add**.
Adding Music to the Current Playlist
1. From the Home screen, open the Widget bar then touch Music player.
2. Touch Playlists, then touch a playlist. Touch ▶ to play the playlist.
3. Touch Add and select Tracks.
4. Touch the checkbox to the right of each music file you want to add, or touch Select all, then touch Add.

Removing Music from a Playlist
1. From the Home screen, open the Widget bar then touch Music player.
2. Touch Playlists, then touch a playlist name to display the playlist.
3. Touch Remove.
4. Touch the checkbox to the right of each track you want to remove from this playlist, or touch Select all to remove all the music tracks from this playlist, then touch Remove.

Editing a Playlist
Besides adding and removing music files in a playlist, you can also rename the playlist.
1. From the Home screen, open the Widget bar then touch Music player → Playlists → More → Edit playlist.
2. Select a playlist, then touch the Name field for the selected playlist, enter a new name for the playlist then touch Done.
3. Tap the icon next to the text field and select one of the following to add an image to this playlist.
   - Take photo: allows you to take a photo to represent this playlist.
   - Remove: allows you to remove existing image from the playlist.
   - Add Image: allow you to add an image from the Images folder or from the Photos folder.
4. Touch Save.
Deleting Music Files

1. From the Home screen, open the Widget bar then touch **Music player ➔ All tracks**. All tracks displays music files on the phone and on the memory card.

2. Touch **Delete**.

3. Touch the checkbox next to each music file you want to delete, then touch **Delete**. The music file(s) deletes.

Assigning Music Files

You can choose to assign music files as a ringtone, Individual ringtone, or Alarm tone. Songs used for these types of assignments must be copied to the phone.

1. From the Home screen, open the Widget bar then touch **Music player ➔ All tracks**. All tracks displays music files on the phone and on the memory card.

2. Touch a music file.

3. Touch **More ➔ Set as**, then select one of the following types:
   - **Ringtone**
   - **Individual ringtone**
   - **Alarm tone**
   
The phone confirms your selection.

Sending a Music file to a Bluetooth Device

You can send the playback to a Bluetooth headset for convenient listening.

1. From the Home screen, open the Widget bar then touch **Music player ➔ All tracks**.

2. Choose music file(s) for playback, then touch **Send via Bluetooth**.

3. Your phone automatically searches for compatible, discoverable Bluetooth devices that are in-range.

4. Select the Bluetooth device to which to send the playback. The music file sends to the selected Bluetooth device.
Music Player Settings

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

1. From the Home screen, press \(\text{MENU}\) then touch **Settings \(\rightarrow\) Application settings \(\rightarrow\) Music player.** The Settings screen displays.

   – or –

   While a track is playing, touch **More \(\rightarrow\) Settings.**

2. The **Background playing** setting controls whether music playback continues when you switch to another screen or launch another application. Touch **On** or **Off.**

3. Touch **Sound effects** to choose a sound effect preset for music playback. Select one of the following:

   - Normal
   - Rock
   - Pop
   - Dance
   - Classic
   - Jazz
   - Wide
   - Dynamic
   - Surround

4. Touch **Music menu** to choose categories to display in the Library. Touch the appropriate checkboxes to display or hide categories, then touch **Save.** Choose from:

   - Playlists
   - Artists
   - Albums
   - Composers
   - Recently played
   - Recently added

5. Touch **Save.**
Transferring Music File to your Phone

You can transfer music files from your personal computer onto the phone, then listen to your favorite music anytime.

1. From the Home screen, press \textbf{MENU} then touch \textit{Settings} \rightarrow \textit{Phone settings} \rightarrow \textit{PC connections}.

2. Select \textbf{Mass storage} and touch \textit{Save}.

3. Connect your phone to the computer using an optional data cable.

4. From your computer, display your drives. Your phone displays as a removable disk (drive letter:).

5. Select the removable drive letter, then access the \textit{Sounds} \rightarrow \textit{Music} folder.

6. Drag and drop music files to this folder.

7. Disconnect your phone from the computer and you’re ready to begin playing music.

Managing your Music Files

Use the Files application to move or copy music files from the phone to the memory card or from the memory card to the phone’s memory.

\textbf{Moving Music Files}

1. From the Home screen, press \textbf{MENU} then touch \textit{My Downloads} \rightarrow \textit{Sounds} \rightarrow \textit{Music}.

2. Touch \textbf{Manage} \rightarrow \textbf{Move}.

3. Tap the check box to the right to indicate which file(s) to select, or touch \textit{Select all}, then touch \textbf{Move}.

4. Tap \textit{Phone} or \textit{Memory card}.

\textbf{Copying Music Files}

1. From the Home screen, press \textbf{MENU} then touch \textit{My Downloads} \rightarrow \textit{Sounds} \rightarrow \textit{Music}.

2. Touch \textbf{Manage} \rightarrow \textbf{Copy}.

3. Tap the check box to the right to indicate which file(s) to select, or touch \textit{Select all}, then touch \textbf{Copy}.

4. Tap \textit{Phone} or \textit{Memory card}.
Section 10: Applications

The Applications are listed on three panels of the Main menu display. The first panel of the Main menu lists the most frequently used applications. Panel two lists the Multimedia applications, and panel three displays all of the Tool applications.

Applications are listed under their category in this section: Main Menu Applications, Multimedia Applications, or Tools.

Within each of the applications sections, the application directs you how to navigate through the menu to use the application, and if the application is not already addressed in another section of this manual, a full description and options are also listed. If the application was already addressed in another section of this manual in full detail, then a cross reference (hyperlink) to that section, or heading is listed.

Main Menu Applications

The applications that display on the first panel are called Main Menu applications. These are the most frequently used applications.

Bluetooth

From this application you can activate Bluetooth and configure it so other Bluetooth devices can see your device by name.

For more information, refer to “Bluetooth and Services” on page 135.

Calls

When you touch Calls, the Logs screen displays all of the calls stored in the call log.

All is the default but you can use the drop down list to select All, Missed calls, Outgoing calls (a list of the most recently used numbers in the order you dialed or received them), Incoming calls, Sent msg., or Received msg.

Touch Dialer ➔ Calls (icon) to display the logs.

For more information, refer to “Call Log” on page 51.

Exchange Email

The Exchange Email application configures your phone to synchronize with a corporate email account.

1. From the Home screen, touch Messages ➔ Exchange email.
The Active Sync Tutorial screen displays.
– or –

From the Home screen, touch **MENU ➔ Messaging ➔ Exchange email**.

For more information, refer to “**Exchange Email**” on page 87.

**Facebook**

This is a social network service and website that allows users to create personal profiles, add other users as friends and exchange messages, including automatic notifications when they update their profile.

► From the Home screen, open the Widget tray and tap Facebook.

**Messaging**

From the Messaging menu you can Create a text or picture message, view the Inbox, check your Voice mail, setup Exchange Email Server settings, view the Sentbox, view and edit Drafts, create and manage Folders, create a text or picture message template, configure Messaging settings, Delete by folder, or view the Memory status for picture messages, text messages, push messages, or used configuration space for the Inbox and Folders.

For more information, refer to “**Messaging Applications**” on page 78.

**Myspace**

Myspace is a social entertainment application that lets you follow people, companies, music, movies, celebrities, TV, and social network games.

1. From the Home screen, open the Widget tray and touch **MySpace**.
2. Use the MySpace application.

**Settings**

From this menu you can manage the widgets through the Widget manager, configure Sound profiles, Display settings, set the Time and date, configure Phone settings, setup the Smart unlock feature, set Motion settings, or configure the Call settings, Application settings, Network settings, Memory settings, or Reset settings.

For more information, refer to “**Changing Your Settings**” on page 138.
**Web**

Your phone is equipped with a browser that provides wireless connectivity and access to the Web using your phone. For more information, refer to “*Web Applications*” on page 131.

**Youtube**

YouTube is a video sharing website on which users can upload and share videos and view them in MPEG-4 format.

1. From the Home screen, press \[MENU\] then touch *YouTube*.
   – or –
   From the Home screen, open the Wiedget bar and touch YouTube.

For more information, refer to “*YouTube*” on page 134.

**Multimedia Applications**

The applications that display on the second panel are called Multimedia applications. These applications play music files, access downloaded content, allow you to use the camera, view photos and videos, record audio files, use the voice recognition software, or manage audio files.

**Music player**

Use *Music Player* to add music files or play music stored on your phone.

For more information, refer to “*Music*” on page 97.

**My downloads**

You can access most of your previously-purchased content in My Downloads. You can review the content or re-download any available content to your compatible phone once in a 24-hour period.

   ▶ From the Home screen, press \[MENU\] then touch *Multimedia screen ➔ My downloads*.

**NOTE:** Not all purchased is available for re-download, and some content can only be downloaded to certain devices. There is a limited number of times you can re-download an item before having to repurchase it again. For more information contact service.

**Camera**

Using the camera module in your phone, you can take photos of people or events while on the move. Additionally, you can set the picture as a Picture ID image or as Wallpaper.
From the Home screen, press \[\text{MENU}\] then touch **Multimedia screen \(\rightarrow\) Camera**.

For more information, refer to “Using the Camera” on page 118.

**Photos**

In this menu you can review the photos you have taken.

1. From the Home screen, press \[\text{MENU}\] then touch **Multimedia screen \(\rightarrow\) Photos**.
   
   When you access this menu, your phone displays the photos in Line view or Thumbnail view, depending on which mode you select.

2. Touch the Line view/Thumbnail view/Photo view icon in the upper, left corner of the screen to change the view. The following options are available:
   - **Create folder**: allows you to create a folder for your photos.
   - **Manage**: allows you to move or copy image files to another location.
   - **More**:
     - **Delete**: allows you to delete one or more image files.
     - **Rename**: allows you to rename an image file.
     - **Sort by**: allows you to organize your image files by Date, Type, Name, or Size.
     - **Send via Bluetooth**: allows you to send the selected image to a Bluetooth enabled device.
     - **Bluetooth visibility**: allows you to enable this image so it is visible to other Bluetooth devices.
     - **Lock/Unlock**: allows you to lock this image file to protect it from deletion, or unlock it to allow deletion.
   - **Back**: displays the previously viewed screen.

3. Select a photo on the screen to view the photo.

4. While viewing the photo, choose from the following options:
   - **Send via**: allows you to send the selected photo as a Message, Exchange email, or to a Bluetooth enabled device.
   - **Set as**: allows you to set the photo as your Picture ID, or Wallpaper.
• More:
  – **Slide show**: allows you to view the photos as a slideshow.
  – **Edit**: allows you to edit the selected image.
  – **Rename**: allows you to rename the photo.
  – **Delete**: allows you to delete the selected photo.
  – **Bluetooth visibility**: allows you to enable this image so it is visible to other Bluetooth devices.
  – **Print via Bluetooth**: allows you to send the selected photo to a Bluetooth enabled printer.
  – **Lock/Unlock**: allows you to lock this image file to protect it from deletion, or unlock it to allow deletion.
  – **Details**: displays the photo Name, Format, Resolution, Size, Forwarding, Date created, and Location.

**Videos**

In this menu, you can view a list of videos downloaded from the web server, received in multimedia messages, or recorded via the phone.

1. From the Home screen, press **MENU** then touch **Multimedia screen ➔ Videos**.

2. Select one of the following options:
   
   • **Create folder**: allows you to create a folder for your video files.
   
   • **Manage**: allows you to move or copy video files to another location.

   • **More**:
     
     – **Delete**: allows you to delete one or more video files.
     
     – **Rename**: allows you to rename a video file.
     
     – **Sort by**: allows you to organize your video files by Date, Type, Name, or Size.
     
     – **Send via Bluetooth**: allows you to send the selected video to a Bluetooth enabled device.
     
     – **Bluetooth visibility**: allows you to enable this video so it is visible to other Bluetooth devices.
     
     – **Lock/Unlock**: allows you to lock this video file to protect it from deletion, or unlock it to allow deletion.

   • **Back**: displays the previous menu or screen.

**Voice recorder**

The Voice recorder allows you to record an audio file up to one minute long and then immediately send it as a message.

▶ From the Home screen, press **MENU** then touch **Multimedia screen ➔ Voice recorder**.
Using the Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message.

When you access this menu, a timer displays on the screen.

1. From the Home screen, press then touch Multimedia screen → Voice recorder.
   The recorder displays and begins recording.

   Touch here to stop recording
   Touch here to save the recording

2. Touch the Stop (save recording) button.

   Note: The message automatically saves to the Voice list.

3. Touch More → Send via → Message to send this recording as a message.

Voice Recorder Settings

1. From the Home screen, press then touch Applications → Voice recorder.

2. Touch Settings.

3. Enter a Default name for this recording in the Default name field, then select the Recording time and Default memory.
Voice Recognition

Nuance is an advanced speech recognition software used to activate a wide variety of functions on your phone. Nuance software automatically voice activates (up to 2,000 contacts) for voice dialing and searching. No prerecording or training needed. Speak a contact name naturally to dial, and use your voice to look up contacts, launch applications and navigate phone menus.

▶ From the Home screen, press \[MENU\] then touch Applications \(\rightarrow\) Voice Recognition.

For more information, refer to “Voice Recognition” on page 55.

Voice list

Voice list contains your recorded audio messages.

Prior to listening to a sound file,

1. From the Home screen, press \[MENU\] then touch Multimedia screen \(\rightarrow\) Voice list.

2. Before listening to an audio file, select one of the following options:
   
   - **Create folder**: allows you to create a folder for your audio files.
   - **Manage**: allows you to move or copy audio files to another location.
   - **More**:
     - **Delete**: allows you to delete one or more audio files.
     - **Rename**: allows you to rename an audio file.
     - **Sort by**: allows you to organize your audio files by Date, Type, Name, or Size.
     - **Send via Bluetooth**: allows you to send this audio file to a Bluetooth enabled device.
     - **Bluetooth visibility**: allows you to enable this audio file so it is visible to other Bluetooth devices.
     - **Lock/Unlock**: allows you to lock this audio file to protect it from deletion, or unlock it to allow deletion.
   - **Back**: redisplays the previous screen.

3. Touch a sound file to listen to the recording.

4. The following options are available:
   
   - **Set as**: sets an audio file as a Ringtone, Individual ringtone or Alarm tone.
   - **Send via**: allows you to send this audio file as a message, or to a Bluetooth enabled device.
   - **Details**: displays the details for this audio file such as: Name, Format, Size, Forwarding, Date created, or Location.
   - **Back**: redisplays the previous screen.
Tools

The applications that display on the third panel are all tools. These tools allow you to manage time as well as your appointments, memos and tasks. A calendar helps to track all of the scheduled activities and the built in convertor allows you to convert various measurements, weights, temperatures, as well as currencies.

Alarm

This feature allows you to:

- Set up to 10 alarms to ring at specified times.
- Set the phone to switch on automatically and ring the alarm even if the phone is switched off.

To set the alarm:

1. From the Home screen, press \( \text{MENU} \) then touch Tools → Alarm.
2. Tap the screen to begin creating an alarm or tap Create alarm.
3. Touch the Alarm name field and enter a name for this alarm.
4. Enter the time for this alarm in the Alarm time field.
5. Touch the Alarm repeat field and select the days you want this alarm to repeat.
6. Touch the On or Off icon in the Snooze field.
7. Touch Save to save this alarm configuration.

Calculator

Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator.

1. From the Home screen, press \( \text{MENU} \) then touch Tools → Calculator.
   - or -
   From the Home screen, open the Widget tray and touch, drag and drop the Calculator onto the desktop.
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by pressing the Plus, Minus, Multiplication, or Division key.
4. Enter the next number.
5. Touch the = key to view the result.
6. Repeat steps 1 to 5 as many times as required.

**Calendar**

With the Calendar feature, you can:
- Consult the calendar by day, week, or month.
- Create events.
- Set an alarm to act as a reminder, if necessary.
- Track Missed Alarm Events.
- Check your memory status.

To access the Calendar:

1. From the Home screen, press the MENU button then touch Tools → Calendar.
   
   – or –

   From the Home screen, open the Widget tray and tap the Calendar widget.

The following options are available:

- **Create**: allows you to create an event.
- **Event list**: displays a list of all the events.
- **More**:
  - **Go to**: displays Today’s date or another pressed date.
  - **View by day**: displays the calendar in day view.
  - **View by week**: displays the calendar in week view.
  - **Delete**: allows you to delete scheduled events for Today, This month, All data before today, or all data.
  - **Calendar settings**: allows you to select the Starting day for this calendar as well as whether you view the calendar by Month, Week, or Day.
  - **Missed alarm events**: displays a list of missed alarm events.
  - **Memory status**: displays the number of events scheduled out of a possible number (depending on the memory size of the entered appointment. For example, 1/200 means you have scheduled 1 out of 200 available events).
**Calendar Settings**

Using the Calendar settings you can select the day with which you want the calendar to begin. You also select how you want to view the calendar, by Month, Week, or Day.

1. From the Home screen, press \( \text{MENU} \) then touch **Tools \( \rightarrow \) Calendar \( \rightarrow \) More \( \rightarrow \) Calendar settings**.

2. Select the **Starting day** and how you want to view the calendar from the **View by** pull-down (Month, Week, or Day).

**Missed Alarm Events**

You can view all of the alarmed events.

1. From the Home screen, press \( \text{MENU} \) then touch **Tools \( \rightarrow \) Calendar \( \rightarrow \) More \( \rightarrow \) Missed alarm events**.

   The missed alarm events display.

**Memory Status**

This menu item shows the number of calendar events that are stored on the handset as well as the total number of available events. Example: 2/200 means that currently there are two alarm events scheduled out of a possible 200.

1. From the Home screen, press \( \text{MENU} \) then touch **Tools \( \rightarrow \) Calendar \( \rightarrow \) More \( \rightarrow \) Memory status**.

**Converter**

The conversion menu provides the following conversion categories:

- **Currency**
- **Length**
- **Weight**
- **Volume**
- **Area**
- **Temperature**

To convert a currency, length, weight, volume, area, or temperature, do the following:

1. From the Home screen, press \( \text{MENU} \) then touch **Tools \( \rightarrow \) Converter**.

2. Select the category that you want to convert.

3. Enter the quantity you want converted in the empty field.
4. Touch the pull-down box to the right of the empty field and select the conversion type (for example, if you are converting currency, use the pull-down to select the type of currency to convert to).

A table of conversions displays.

5. Depending on what you are converting, different options display such as:

<table>
<thead>
<tr>
<th>Screen</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Currency</td>
<td><strong>View rate</strong>: displays a currency rate table.</td>
</tr>
<tr>
<td></td>
<td><strong>Reset</strong>: allows you to reset to the original currency values.</td>
</tr>
<tr>
<td>Length</td>
<td><strong>Reset</strong>: allows you to reset to the original length values.</td>
</tr>
<tr>
<td>Weight</td>
<td><strong>Reset</strong>: allows you to reset to the original weight values.</td>
</tr>
<tr>
<td>Volume</td>
<td><strong>Reset</strong>: allows you to reset to the original volume values.</td>
</tr>
<tr>
<td>Area</td>
<td><strong>Reset</strong>: allows you to reset to the original area values.</td>
</tr>
<tr>
<td>Temperature</td>
<td><strong>Reset</strong>: allows you to reset to the original temperature values.</td>
</tr>
</tbody>
</table>

**Memo**

Quickly capture thoughts, reminders, and ideas using the Memo application.

1. From the Home screen, press **MENU** then touch **Tools → Memo**.
   
   – or –
   
   From the Home screen, open the Widget bar then touch the **Memo** widget.

2. Tap the screen or touch **Create memo**.

3. Compose the note and touch **Done**. For more information, refer to “Using ABC Mode” on page 66.

**Memo options**

1. While viewing the list of Memos, select one of the following options:
   
   • **Create memo**: allows you to create a memo.
   
   • **Delete**: allows you to delete one or more memos.
• **Memory status**: you can check the number of memo composed and based on the amount of memory those memo used, the total number of available memo.

• **Back**: displays the previous menu or screen.

2. Select one of the memos in the list, then select one of the following options:

• **Edit**: allows you to edit the selected memo.

• **Send via**: allows you to send this video via Message, Exchange email, or to a Bluetooth enabled device.

• **More**:
  – **Delete**: allows you to delete the selected memo.
  – **Print via Bluetooth**: allows you to print the memo on a Bluetooth enabled printer.
  – **Memory status**: you can check the number of memo composed and based on the amount of memory those memo used, the total number of available memo.

• **Back**: displays the previous menu or screen.

**Stop Watch**

This feature allows you to use a stopwatch. Touch start to begin the stopwatch counter. Touch the **Reset** soft key to erase all previously recorded stopwatch times. Touch **Lap** to begin the lap time counter. Touch **Stop** to stop the counter. Touch **Reset** to restart the lap counter. You can have up to 50 lap times.

1. From the Home screen, press **MENU** then touch **Tools → Stop Watch**.

2. Press **Start** to activate the lap counter.

3. Press **Stop** when you are finished.

**Tasks**

This feature allows you to create a list of tasks.

1. From the Home screen, press **MENU** then touch **Tools → Tasks**.

2. Tap the screen to create a task.
   – or –
   Touch **Create task**.

3. Touch the **Title** field and enter a Title for this task, then touch **Done**.

4. Touch the **Priority** field and select a level from the pull-down menu (High, Medium or Low).
5. Touch the **Start date** field and scroll up or down to select a **Month, Day**, and **Year**, then touch **Set**.

6. Touch the **Due date** field and scroll up or down to select a **Month, Day**, and **Year**, then touch **Set**.

7. Touch the **Status** pull-down menu and select one of the following:
   - **Completed**: marks the task as completed.
   - **Ongoing**: marks the task as ongoing.

8. Touch **Save** to store the new task.

**Timer**

You can use this menu to set a timer. To enable the Timer, use the following options:

1. From the Home screen, press `MENU` then touch **Tools → Timer**.

2. Touch the plus or minus symbol above or below the **Hour, Minute**, and **Second** field to set the timer length.

3. Touch **Start** to start the timer.

4. Touch **Stop** to stop the timer or **Reset** to reset the time and start over.

**World clock**

This feature allows you to find out what time it is another part of world.

1. From the Home screen, press `MENU` then touch **Tools → World clock** to view the time in dual locations.

   – or –

   From the Home screen, open the Widget tray and touch, drag and drop the **World clock** widget onto the Home screen.

2. Touch **Add**.

3. Touch the screen and scroll the displayed map to the right or the left until the location displays on the screen, then touch **OK**.

The time for this zone displays on the World clock screen.
4. Select one of the following options:
   - **Add**: allows you to add another location. While traveling you can select another World clock to represent the time zone where you are located.
   - **Set as second clock**: this option displays after you add more than two time zones.
   - **Delete**: allows you to remove the selected entry.
   - **Back**: displays the previous menu or screen.
Section 11: Camera

This section explains how to use the built-in camera and camcorder on your phone to take photographs and record videos.

Using the Camera

Using the camera module in your phone, you can take photos of people or events while on the move. Additionally, you can set the picture as a Picture ID image or as Wallpaper.

Note: Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person’s privacy.

Take and Send Photos

The built-in 2.0 megapixel camera produces photos in JPEG format.

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

Camera

Using the camera module in your phone, you can take photos of people or events while on the move. Additionally, you can set the picture as a Picture ID image or as Wallpaper.

1. From the Home screen, press \( \text{Menu} \) then touch Multimedia screen ➔ \( \text{Camera} \).
   – or –
   Press the Camera key.

   Camera Options display briefly onscreen to set preferences for the photo. Touch the screen at any time to display Camera Options. For more information, refer to “Camera Options” on page 119.

2. Adjust the image by aiming the camera at the subject, then press the Camera key to take the photo.
3. Choose one of the following on-screen options:

- **Send via**: sends this photo as a Message, using Exchange mail, or to a Bluetooth enabled device.
- **Delete**: deletes this photo.
- **More**:
  - **Set as**: sets this photo as a Picture ID or as Wallpaper.
  - **Slide show**: displays photos in the gallery as a slideshow (if you have more than one photo).
  - **Edit**: allows you to manage this photo, apply special Effects, or Adjust the photo.
  - **Rename**: allows you to rename the photo.
  - **Print via Bluetooth**: allows you to send the photo to a Bluetooth enabled printer.
  - **Details**: displays details about this photo such as: Name, Format, Resolution, Size, Forwarding, Date created, and Location.
- **Back**: returns to the previously displayed screen.

---

**Important!: Setup ➔ Review** must be set to On or 5 seconds, otherwise this procedure does not display the options listed in this procedure.

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**Camera Options**

While in capture mode, touch the screen at any time to configure Camera Options:

- **Toggles from camera to video mode**
- **Shooting mode**
- **Sets the resolution**
- **Configures settings**
- **Displays the previous screen**
- **Sets the timer**
- **Sets the brightness**
- **View the image from the Photos folder**

**Camera/Camdorder**: allows you to switch between Camera and Camcorder.
**Shooting Mode**: takes a photo in various modes.

- **Single**: takes a single photo and allows you to view it before returning to the shooting mode.
- **Smile shot**: the camera focuses on the foreground or subject and not on the background.
- **Continuous**: allows you to hold down the Camera key to take a succession of up to 9 photos.
- **Panorama**: takes multiple photos to be combined into single panoramic image.
- **Mosaic**: takes several photos and then groups them together into a single final photo.
- **Frame**: inserts a selected frame around the photo.

**Resolution**: allows you to set the image size 2M(1600X1200), 1.3M(1280X960), 0.3M(640X480), or 320X240.

**Setup ➔**: allows you to configure the following:

- **White balance**: allows you to select a setting to match conditions, from Auto, Daylight, Incandescent, Fluorescent, or Cloudy.
- **Effects**: allows you to apply special effects to the photo. Choose from None, Black and white, Sepia, Negative, or Watercolor.
- **Exposuremeter**: allows you to choose how the camera measures the light source, from Matrix, Centre-weighted or Spot.
- **Image quality**: allows you to set image quality. Choose from Superfine, Fine, or Normal.
- **Night Mode**: choose whether photos are optimized for using available light.
Setup ➔ : allows you to configure the following:

- **Guidelines**: allows you to enable or disable an on-screen grid to aid in photo composition.
- **Review**: allows you to choose the length of time photos are displayed for review after capture. Choose On to display the photo until you choose an action, 5 seconds to display the photo for 5 seconds, or Off to disable reviews.
- **GPS connection**: allows you to choose whether to record GPS coordinates information into the image file when you take a photo.
- **Shutter sound**: allows you to choose whether the camera plays a sound when it captures the photo. Choose from Sound 1, Sound 2, Sound 3 or Off.
- **Storage**: allows you to choose the default storage location for new photos, from Phone or Memory card.
- **Reset settings**: allows you to reset camera settings to the default settings.

**Back**: allows you to return to the previous screen.

**Timer**: allows you to set a time delay between the time you press the Camera key, and when the camera captures the photo. Select Off, 2, 5, or 10 seconds.

**Brightness**: allows you to increase or decrease the brightness levels.

**Photos**: allows you to scroll through photos in the photos folder, and choose options for a selected photo.

- **Send via**: sends the photo as an attachment to a Message, Exchange email, or via Bluetooth.
- **Delete**: allows you to delete the currently displayed photo.
- **More**: allows you to choose additional options.
  - **Set as**: allows you to save this photo as a Wallpaper, or a Picture ID.
  - **Slide show**: displays all photos in a slideshow.
  - **Edit**: allows you to edit the selected photo.
  - **Rename**: allows you to rename the selected photo.
  - **Print via Bluetooth**: allows you to send the selected image to a Bluetooth printer.
  - **Details**: displays information about the selected photo.
Photos

1. From the Home screen, press MENU then touch Photos.

Tip: You can also navigate by pressing the Photos Widget in the Widget bar, or by pressing Menu ➔ My downloads ➔ Images ➔ Photos.

When you access this menu, your phone displays the photos in Line view or Thumbnail view, depending on which mode you select.

2. Touch the Line view/Thumbnail/Photo icon in the upper, left corner of the screen to change the view.

3. The following options are available:
   - **Create folder**: allows you to create a folder for your photos.
   - **Manage**: allows you to move or copy photos files to another location.
   - **More**:
     - **Delete**: allows you to delete one or more photo files.
     - **Rename**: allows you to rename a photo file.
     - **Sort by**: allows you to organize your photos files by Date, Type, Name, or Size.
     - **Send via Bluetooth**: allows you to send the selected photo to a Bluetooth enabled device.
     - **Bluetooth visibility**: allows you to enable this photo so it is visible to other Bluetooth devices.
     - **Lock/Unlock**: allows you to lock this photo file to protect it from deletion, or unlock it to allow deletion.
   - **Back**: displays the previously viewed screen,

4. Select a photo on the screen to view the photo full-screen.

5. While viewing the photo, select from the following options:
   - **Send via**: allows you to send the selected photo as an attachment to a Message, Exchange email, or to a Bluetooth device.
   - **Set as**: allows you to set the photo as your Wallpaper or as a Picture ID.
   - **More**:
     - **Slide show**: displays multiple photos as a slideshow.
     - **Edit**: allows you to edit the selected image.
     - **Rename**: allows you to rename the photo.
     - **Delete**: allows you to delete the selected image.
– **Bluetooth visibility**: allows you to enable this photo so it is visible to other Bluetooth devices.
– **Print via Bluetooth**: allows you to send the selected photo to a Bluetooth enabled printer.
– **Lock/Unlock**: allows you to lock this photo file to protect it from deletion, or unlock it to allow deletion.
– **Details**: displays details about the selected photo such as: Name, Format, Resolution, Size, Forwarding, Date created, or Location.

**Deleting a Photo**

You can delete photos one by one or all at one time.

1. From the Home screen, press 

   MENU

   then touch **Photos**.

   When you access this menu, your phone displays the photos in Line view or Thumbnail view, depending on which mode you select.

   **Tip:** You can also navigate by pressing the Photos Widget in the Widget bar, or by pressing **Menu ➔ My downloads ➔ Images ➔ Photos**.

2. Touch **More ➔ Delete**.

3. Touch the checkbox on the photo you want to delete, or touch **All**, then touch **Delete**.

4. Press to return to idle mode.

**Renaming a Photo**

1. From the Home screen, touch 

   MENU

   then touch **Photos**.

   When you access this menu, your phone displays the photos in Line view or Thumbnail view, depending on which mode you select.

   **Tip:** You can also navigate by pressing the Photos Widget in the Widget bar, or by pressing **Menu ➔ My downloads ➔ Images ➔ Photos**.

2. Touch **More ➔ Rename**.

3. Select the photo you want to rename.

4. Touch to erase the name and enter a new name for this photo, then press **Done**.

5. Touch **Done**.
**Bluetooth Visibility**

This option allows you to share the selected photo with another Bluetooth device.

1. From the Home screen, press \[ MENU \] then touch **Photos**.
   
   When you access this menu, your phone displays the photos in Line view or Thumbnail view, depending on which mode you select.

2. Touch **More ➔ Bluetooth visibility**.

3. Select the photo you want to share with other Bluetooth devices.
   
   The Bluetooth icon displays in the upper left corner of the selected photo.

4. Touch **Done**.

**Locking a Photo**

Locking a photo prevents deletion of the file.

1. From the Home screen, press \[ MENU \] then touch **Photos**.

   When you access this menu, your phone displays the photos in Line view or Thumbnail view, depending on which mode you select.

2. Touch **More ➔ Lock**.

3. Select the photo that you want to lock. The lock icon displays as locked.

4. Touch the photo again to unlock it.

5. Touch **Done**.

**Saving a Photo as Wallpaper**

After you take a picture you can save it as Wallpaper.

1. From the Home screen, press \[ MENU \] then touch **Photos**.

   When you access this menu, your phone displays the photos in Line view or Thumbnail view, depending on which mode you select.

2. Select the photo that you want to save as Wallpaper, then touch **Set as ➔ Wallpaper**.
3. Touch Set.
   The Photo saves as Wallpaper.

**Saving a Photo as a Picture ID**

After you take a picture you can save it as a Picture ID to use in the Phonebook.

1. From the Home screen, press 📷 then touch Photos.
   When you access this menu, your phone displays the photos in Line view or Thumbnail view, depending on which mode you select.

2. Select the photo that you want to save as a Picture ID, then touch Set as ➔ Picture ID.

3. Touch Search contact and scroll through the list of contacts to locate the contact.
   – or –
   Touch Create contact (see “Storing a Number in the Phone’s Memory” on page 68.)
   The Picture ID automatically attaches once you enter all the contact information.

4. Touch Save.
   The Photo saves as a Picture ID.

**Editing a Photo**

1. From the Home screen, press 📷 then touch Photos.
   When you access this menu, your phone displays the photos in Line view or Thumbnail view, depending on which mode you select.

2. Select the photo that you want to edit, then touch More ➔ Edit.
   The image loads.

3. Select one of the following options:
   • File: allows you to Open a new photo, or choose Save as to save the current photo with a new name.
   • Effects: allows you to apply special effects to the selected photo such as: Filter, Style, Warp, or Partial blur.
   • Adjust: allows you to adjust the Auto level, Brightness, Contrast, and Color for this photo.
   • Undo: allows you to reverse the previous effect or adjustment.
4. Touch the Tools bar tab to choose one of these tools:
   - **Rotate**: allows you to rotate the position of the photo.
   - **Resize**: allows you to resize the photo, to 1280x960, 640x480, 320x240 or 160x120, and Customize.
   - **Crop**: allows you to use the crop tool to crop this photo. Drag the drop tool in the direction that you want to begin cropping (the box expands with sizing points displayed). Touch the sizing points and drag the box in the direction you want to crop. When you have the area you want to crop outlined, touch OK.
   - **Insert text**: allows you to insert text onto this photo.
   - **Insert image**: allows you to insert another image onto this photo.
   - **Emoticons**: allows you to insert Emoticons onto this photo.
   - **Clip Art**: allows you to insert Clipart onto this photo.

5. Touch **OK** to confirm your selection.

**Using the Camcorder**

Use the camcorder module in your phone to record videos of people or events while on the move. You can send videos to other people in a message or via Bluetooth.

**Recording and Sending a Video**

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

1. From the Home screen, press **MENU** then touch **Videos ➔ Record video**.
   – or –
   Press the **Camera** key to enter **Camera** mode then touch the **Video** icon to toggle to the camcorder.

2. Adjust the image by aiming the camcorder at the subject.

3. Prior to recording a video, touch the **Setup** icon to set the **White balance**, **Effects**, and **Video quality**. For details, see “**Camcorder Options**” on page 127.

4. Press the **Camera** key to begin recording the video.

5. Touch the ** icon or the Camera key when you want to stop recording.
6. Tap the screen once and touch one of the following:

- **Send via**: allows you to send the recorded video to as a Message, through Exchange email, or to a Bluetooth enabled device.
- **Delete**: allows you to delete this video.
- **More**:
  - **Slide show**: displays multiple photos as a slideshow.
  - **Rename**: allows you to rename the video.
  - **Details**: displays details about this video including: Name, Format, Resolution, Forwarding, Date created, and Location.
- **Back**: displays the previously viewed screen.

**Camcorder Options**

While in capture mode, touch the screen at any time to configure Camcorder Options:

- **Toggles from video to camera mode**
- **Recording mode**
- **Resolution**
- **Configures settings**
- **Zooms in**
- **Zooms out**
- **Returns to the previous screen**
- **Sets the timer**
- **Sets the brightness**
- **View the image from the Videos folder**

**Camera/Video**: allows you to switch between Camera and Camcorder.

**Recording Mode**:

- **Normal**: takes a video in normal mode.
- **Limit for MMS**: limits the size of the video to that suitable for sending as a message attachment.
**Resolution**: allows you to set the video size to 320 x 240, or 176 x 144.

**Timer**: allows you to set a time delay between the time you press the Camera key, and when the camcorder begins recording. Select Off, 2, 5, or 10 seconds.

**Setup**: allows you to configure the following:

- **White balance**: allows you to select a setting to match conditions, from Auto, Daylight, Incandescent, Fluorescent, or Cloudy.
- **Effects**: allows you to apply special effects to the photo. Choose from None, Black and white, Sepia, Negative, or Watercolor.
- **Video quality**: allows you to set the video quality to Superfine, Fine, or Normal.

**Setup**: allows you to configure the following:

- **Guidelines**: allows you to enable or disable an on-screen grid to aid in composition.
- **Review**: allows you to choose the length of time videos are displayed for review after capture. Choose On to display until you choose an action, 5 seconds to display for 5 seconds, or Off to disable reviews.
- **Audio recording**: allows you to choose whether sound is recorded along with videos.
- **Storage**: allows you to choose the default storage location for new videos, Phone or Memory card.
- **Reset settings**: allows you to reset camcorder settings to the default settings.

**Back**: allows you to return to the previous screen.

**Brightness**: allows you to increase or decrease the brightness levels.
Videos: allows you to scroll through videos in the videos folder, and choose options for a selected video.

- **Play**: allows you to review the video.
- **Send via**: sends the video as an attachment to a Message, Exchange email, or via Bluetooth.
- **Delete**: allows you to delete the currently displayed photo.
- **More**: allows you to choose additional options.
  - **Slideshow**: displays all videos in a slideshow
  - **Rename**: allows you to rename the selected video.
  - **Details**: displays information about the selected video.

**Videos**

To access your videos:

1. From the Home screen, press 📹 escalation button then touch Videos.

   When you access this menu, your phone displays videos in Line view or Thumbnail view, depending on which mode you select. Touch the Line view/Thumbnail view icon in the upper, left corner of the screen to change the view.

2. The following options are available:

   - **Record video**: allows you to begin recording a video.
   - **Create folder**: allows you to create a folder for your video files.
   - **Manage**: allows you to move or copy video files to another location.
   - **More**:
     - **Delete**: allows you to delete one or more video files.
     - **Rename**: allows you to rename a video file.
     - **Sort by**: allows you to organize your video files by Date, Type, Name, or Size.
     - **Send via Bluetooth**: allows you to send this video to a Bluetooth enabled device.
     - **Bluetooth visibility**: allows you to enable this video so it is visible to other Bluetooth devices.
     - **Lock/Unlock**: allows you to lock this video file to protect it from deletion, or unlock it to allow deletion.
   - **Back**: redisplay the previous screen.

3. Touch the video to select and begin playing it.
4. Select one of the following options:
   - **Send via**: sends the video as a Message, Exchange email, or to another Bluetooth enabled device.
   - **Details**: displays the video Name, Format, Resolution, Size, Forwarding, Date created, and Location.
   - **Back**: redisplay the previous screen.

5. Press 📞 to return to idle mode.
Section 12: Web Applications

This section outlines the web features available on your phone. For more information, contact Service.

Accessing the Web

Your phone is equipped with a browser that provides wireless connectivity and access to the Web using your phone.

Tip: Touch the Web icon on the main display to launch the web.

To access the web browser via the menu, follow these steps:

1. From the Home screen, press \( \text{MENU} \) then touch Web \( \rightarrow \) Home.
   – or –

2. Touch the Web icon (on the bottom of the screen).
   – or –

3. Touch the Widget bar and tap the Web icon.

The following options are available:

Home

Touch Home to select this menu. You connect to the network and the web homepage loads.

Note: The content of the web startup homepage depends on your Wireless Web service provider.

To go to the startup homepage from any other screen in the web browser, touch Home.

Exiting the Web

▶ Simply press \( \text{ } \) to exit the browser at any time.
Navigating the Web

1. Scroll or flick the screen to view the browser items. For more information, refer to “Menu Navigation” on page 24.

2. Touch a link in the browser to view it.

3. To return to the previous page, touch the Back icon.

4. To return to the startup homepage, touch the Home icon.

Entering Text in the Web

While you are navigating the web you often need to enter text, such as when entering a URL. You can enter alphanumeric characters by using your phone’s keypad. For more information, refer to “Entering Text” on page 62.

Enter URL

This menu allows you to manually enter the URL address of a web site that you want to access. You have the option to Add the URL to Bookmarks and to Title the bookmark.

For further details about entering characters, see “Entering Text” on page 62.

Bookmarks

This menu displays a collection of up to 100 URL direct links (URL addresses) to predefined web pages stored in your web browser.

To store a URL address:

1. Touch Bookmarks.

2. Touch Add.

3. Enter a URL in the URL field.

4. Enter a name for to describe this URL in the Title field.

5. Touch Save.

Note: For further details about how to enter characters, see “Entering Text” on page 62.
Bookmarks options

After creating a bookmark, you can view it, delete it, or send the URL via message or to a Bluetooth enabled device.

1. Touch Bookmarks. The following options are available:
   - **Add**: allows you to manually enter the URL address of a web site that you want to access.
   - **Delete**: allows you to delete one or several bookmarks.
   - **More**:
     - **Go to homepage**: navigates to the Home page.
     - **Send URL via**: allows you to send the selected URL as a Message, Exchange email, or to a Bluetooth enabled device.
     - **Set as homepage**: sets the current web page as your homepage.
   - **Back**: redisplay the previous screen.

Browser Settings

Various settings are available when you are using the web browser to navigate the wireless web.

1. From the Home screen, press `MENU` then touch **Web ➔ Settings**.

Clear cache

You can clear the information stored in the cache, (the phone’s temporary memory) which stores the most recently accessed web pages.

At the **Clear cache?** prompt, touch the **Yes** soft key to confirm the deletion or touch **No** to cancel.

Delete cookies

Cookies identify who you are when you visit favorite web sites; however, they are also used to track your web surfing habits. Deleting all the cookies provides security.

1. Touch **Delete cookies**.

2. At the **Delete cookies?** prompt, touch **Yes** to delete, or touch **No** to cancel.

Cookie Options

This option allows you to Accept all cookies, Reject all cookies, or Prompt you when a site wants to deposit a cookie.
Delete History

This option allows you to delete the URLs to the most recently visited web sites.

1. Touch Delete History.

2. At the Delete history? prompt, touch Yes to delete, or touch No to cancel.

Preferences

The Preferences option allows you to set Web preferences such as whether to run Javascript, display images, play sounds, or run flash.

1. From the Home screen, press  then touch Web ➔ Settings.

2. Tap On to activate or Off to deactivate Run JavaScript, Display images, Play sound, or Run Flash.

3. Touch Save to confirm your settings.

About Browser

About Browser displays information about the browser such as the type and version.

YouTube

YouTube is a video sharing website on which users can upload and share videos and view them in MPEG-4 format.

1. From the Home screen, press  then touch YouTube.

   — or —

   From the Home screen, open the Widget bar and touch YouTube.

2. Begin searching and viewing posted videos when the screen loads the videos.
Section 13: Bluetooth and Services

This section describes how to activate Bluetooth and configure it so other Bluetooth devices can see your device by name.

Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 30 feet without requiring a physical connection. Unlike infrared, you do not need to line up the devices to beam information with Bluetooth. If the devices are within a range of one another, you can exchange information between them, even if they are located in different rooms.

1. From the Home screen, press \[ \text{MENU} \] then touch Bluetooth.

   — or —

   From the Home screen, open the Widget bar and touch the Bluetooth widget.

The following Bluetooth options are available:

Activation

1. From the Home screen, press \[ \text{MENU} \] then touch Bluetooth.

2. Touch Turn on or Turn off or touch the Bluetooth icon to activate or deactivate Bluetooth.

Search

When you touch Search, the device searches for all available Bluetooth devices, and displays the devices found during the search on the screen.

Bluetooth Settings

My phone’s name

1. From the Home screen, open the Widget bar and touch the Bluetooth widget.

2. Touch Settings.

3. Touch the My phone’s name field, touch \[ \text{ } \] to erase the current name and enter the new name for this device.

4. Touch Done.
**My Phone’s Visibility**

1. From the Home screen, open the Widget bar and touch the **Bluetooth** widget.
2. Touch **Settings**.
3. Touch **On** or **Off** from the **My phone’s visibility** field.
4. Touch **Save**.

**Secure Mode**

When the Bluetooth Visibility is turned on, your phone is wirelessly transmitting its phone name and status. This transmission can pose a security risk and incite unauthorized connection to your phone. It is recommended that you activate your phone’s Bluetooth security.

1. From the Home screen, open the Widget bar and touch the **Bluetooth** widget.
2. Touch **Settings**.
3. Touch **On** or **Off** from the **Secure mode** field.
4. Touch **Save**.

**Remote SIM mode**

This mode allows you to turn On or Off Remote SIM Mode. Remote SIM mode, when set to On, allows the Bluetooth phone car kit to access the contact information stored on the SIM card.

1. From the Home screen, press **MENU** then touch **Bluetooth**.
2. Touch **Settings**.
3. Touch **On** or **Off** from the **Remote SIM mode** field.
4. Touch **Save**.
**Bluetooth services**

Actually, the Bluetooth specification is a protocol that describes how the short-range wireless technology works, whereas services describe the individual devices that are supported. These services reduce the chance that different devices integrate.

To access Bluetooth services:

1. From the Home screen, open the Widget bar and touch the **Bluetooth** widget.
2. Touch **Settings** and touch **Bluetooth services**.

The following information displays:

- **Headset**: used to make incoming and outgoing calls via Bluetooth headsets.
- **Handsfree**: used to make incoming and outgoing calls via Bluetooth car kits.
- **Bluetooth Stereo Headset**: used to make calls and listen to music via Bluetooth stereo headsets.
- **Serial Port**: used to connect to other Bluetooth devices via a virtual serial port.
- **Dial up**: used to provide Internet access for Bluetooth devices via the phone’s modem.
- **Basic Printing**: used to print images, text messages, personal data such as namecards and appointments, and so on via remote Bluetooth printer.
- **File transfer**: used to transfer files to and from Bluetooth devices.
- **Object Push**: used to exchange personal data (Namecards, Contacts, and so on) with Bluetooth devices.
- **SIM Access**: used to provide access to a SIM card via Bluetooth.
Section 14: Changing Your Settings

This section explains the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

**Widget Manager**

The default menu displays 19 of the 26 available widgets. The rest of the widgets are configurable. In this menu you can select the items you want to display in the Widget bar (quick access menu). Simply touch the check mark box to the right of the item you want to display then touch the Save soft key to save your configuration. Items available for selection are:

- Web
- Photo
- Message Inbox
- Voice Recognition
- Calendar
- Bluetooth
- Today
- Message composer
- Games and apps
- Voice mail
- Widget memo
- Widget memo 2
- Widget memo 3
- Digital clock
- Analog clock
- Dual clock
- Birthday
- Voice recorder
- Calculator
- Youtube
- Music Library
- Alarm
- Facebook
- MySpace
- twitter
- digg.com
- AccuWeather.com
- Yahoo! Finance
- Samsung Apps

**Note:** For more information about the default widgets, see “Using Shortcuts” on page 34.
To select which items display or hide in the Widget bar:

1. From the Home screen, press \( \text{MENU} \) then touch Settings ➔ Widget Manager.
   
   – or –

   Open the widget tray and touch Widget Manager.

2. Touch the check box to place a check mark next to the widget you want to display in the shortcut bar.

3. Touch the check box again to remove the check mark and hide the widget.

**Sound Profiles**

This menu allows you to specify how you are informed of incoming calls.

**Selecting a Sound Profile**

When you enter the Sound Profile menu you have two options. You can select a preconfigured sound profile, or you can select and then configure the profile. A double arrow icon displayed to the right of the profile indicates that the profile is configurable.

1. From the Home screen, press \( \text{MENU} \) then touch Settings ➔ Sound Profiles.

2. Touch the radio button next to the profile name. The selected profile activates.

**Configuring a Sound Profile**

For each of the sound profiles there are three configurations: Normal, Call, and Phone. Each of these configurations allow you to configure sounds specifically for the profile, for an incoming call, for an incoming message, or for the phone itself. You can change one or all of the parameters for each of the configurations.

   ▶ Touch the double arrow icon to the right of the radio button to configure a sound profile.

**Normal**

The phone’s profile defaults to Normal which means that the Call alert type is set to melody.

1. From the Home screen, press \( \text{MENU} \) then touch Settings ➔ Sound Profiles.

2. Touch the double arrow icon to the right of Normal to configure the following:
Call

1. From the Home screen, press [MENU] then touch Settings → Sound Profiles.
2. Touch the arrow to the right of the Normal profile.
3. Touch the Pull down menu and select Call.
4. Touch the Call alert type field, select one of the following and touch Save:
   - Melody: the phone rings using the ring melody selected in the Ring tone menu.
   - Raising melody: the melody volume increases.
   - Vibration then melody: the phone vibrates 2 times and then starts ringing.
   - Vibration and melody: the phone vibrates and plays a melody simultaneously.
   - Vibr. & raising melody: the phone vibrates and the melody increases simultaneously.
5. Touch the Voice call ringtone field, touch to select a Voice call ringtone, then touch Save.
6. Touch the Call alert volume slide bar, then touch and drag the slider to the volume level you desire (range is 1-7).
7. Touch the Call alert vibration field, then touch to select Vibration 1 - 5 and touch Save.
8. Touch Save to return to the Sound Profiles menu.

Message

1. From the Home screen, press [MENU] then touch Settings → Sound Profiles.
2. Touch the arrow to the right of the Normal profile.
3. Touch the Pull down menu and select Message.
4. Touch the Message alert type field, select one of the following and touch Save:
   - Melody: the phone rings using the ring melody selected in the Ring tone menu.
   - Vibration: the phone will vibrate but not play a melody.
   - Vibration and melody: the phone vibrates and plays a melody simultaneously.
   - Mute: the phone is silent and does not play a melody or vibrate.
5. Touch the Message alert tone field, touch to select a tone and touch Save.
6. Touch the Message alert repetition pull-down and select one of the following options:
   - Once: repeats the message alert once.
   - Periodic: repeats the message alert periodically.

7. Touch the Alert tone volume slide bar, then touch and drag the slider to the volume level you desire (range is 1-7), and touch Save.

8. Touch the Message alert vibration field, and select Vibration select Vibration 1 - 3, then touch Save.

Phone

1. From the Home screen, press then touch Settings → Sound Profiles.

2. Touch the arrow to the right of the Normal profile.

3. Touch the Pull down menu and select Phone.

4. Touch the Keypad tone pull-down and select one of the following tones:
   - Beep
   - Glossy

5. Touch the Power-on type field, select one of the following and touch Save:
   - Melody: the phone plays the selected Power on melody.
   - Vibration: the phone vibrates but does not play a melody.
   - Vibration and melody: the phone vibrates and plays a melody simultaneously.
   - Mute: the phone is silent and does not play a melody or vibrate.

6. Touch the Power-off type field, select one of the following and touch Save:
   - Melody: the phone plays the selected Power off melody.
   - Vibration: the phone vibrates but does not ring.
   - Vibration and melody: the phone vibrates and plays a melody simultaneously.
   - Mute: the phone is silent and does not play a melody or vibrate.

7. Touch the Phone sound volume slide bar, then touch and drag the slider to the volume level you desire (range is 0-7).

8. Touch Save to return to the Sound Profiles menu.
**Silent**

Silent mode is convenient when you want to stop the phone from making noise, in a theater for example. All sounds are muted when the phone is set to Silent mode.

1. From the Home screen, press \( \text{MENU} \) then touch **Settings \( \rightarrow \) Sound Profiles**.
2. Touch **Silent**.

   All sound tones are now changed to Silent.

**Vibration**

Vibration Profile is convenient when you want to stop the phone from making any noise, in a theater for example. From the Home screen, touch **Dialer**, then touch and hold \( \# \# \) until the “**Vibration profile on**” message and the Vibration Profile icon displays. In Vibration Mode, instead of sounds, your phone vibrates.

To exit and reactivate the previous sound settings, touch and hold \( \# \# \) again until the “**Normal profile on**” message displays. The Vibration Profile icon no longer displays.

1. From the Home screen, press \( \text{MENU} \) then touch **Settings \( \rightarrow \) Sound Profiles**.
2. Touch **Vibration**. The profile changes to Vibration.

**Call**

1. From the Home screen, press \( \text{MENU} \) then touch **Settings \( \rightarrow \) Sound Profiles**.
2. Touch the arrow to the right of the **Vibration** profile.
3. Touch the **Pull down** menu and select **Call**.
4. Touch the **Vibration intensity** slider and scroll to the desired intensity level (0-7).
5. Touch the **Call alert vibration** field and select **Vibration 1 - 5**, then touch **Save**.
6. Touch **Save** to return to the Sound Profiles menu.

**Message**

1. From the Home screen, press \( \text{MENU} \) then touch **Settings \( \rightarrow \) Sound Profiles**.
2. Touch the arrow to the right of the **Vibration** profile.
3. Touch the pull-down menu and select **Message**.
4. Touch the **Message alert repetition** pull-down and select one of the following:
   - **Once**: repeats the message alert once.
   - **Periodic**: repeats the message alert periodically.

5. Touch the **Message alert vibration** slider and scroll to the desired intensity level **0 - 7**, then touch **Save**.

6. Touch the **Vibration intensity** field, then touch **Vibration 1**, **Vibration 2**, or **Vibration 3**.

7. Touch **Save** to return to the Sound Profiles menu.

### Phone

1. From the Home screen, press `Menu` then touch **Settings ➔ Sound Profiles**.

2. Touch the arrow to the right of the **Vibration** profile.

3. Touch the pull-down menu and select **Phone**.

4. Touch the **Vibration intensity** field, then touch and drag the slider to the intensity level you desire (range is **0-7**).

5. Touch **Save** to return to the Sound Profiles menu.

### Driving

In this case, the speaker is active and launches the currently selected Call alert type when the associated notification is activated.

### Call

1. From the Home screen, press `Menu` then touch **Settings ➔ Sound Profiles**.

2. Touch the arrow to the right of the **Driving** profile.

3. Touch the pull-down menu and select **Call**.

4. Touch the **Call alert type** field, select one of the following and touch **Save**:
   - **Melody**: the phone rings using the ring melody selected in the Ring tone menu.
   - **Raising melody**: the melody volume increases.
   - **Vibration then melody**: the phone vibrates 2 times and then starts ringing.
• **Vibration and melody**: the phone vibrates and plays a melody simultaneously.
• **Vibr. & raising melody**: the phone vibrates and the melody increases simultaneously.

5. Touch the **Voice call ringtone** field, touch to select a ringtone and touch **Save**.

6. Touch the **Call alert volume** slide bar, then touch and drag the slider to the volume level you desire (range is 1-7).

7. Touch the **Call alert vibration** field, then touch to select **Vibration 1 - 5** and touch **Save**.

8. Touch **Save** to return to the Sound Profiles menu.

**Message**

1. From the Home screen, press **MENU** then touch **Settings ➔ Sound Profiles**.

2. Touch the arrow to the right of the **Driving** profile.

3. Touch the pull-down menu and select **Message**.

4. Touch the **Message alert type** field, select one of the following and touch **Save**.
   • **Melody**: the phone plays the selected Message alert tone.
   • **Vibration**: the phone will vibrate but not play a melody.
   • **Vibration and melody**: the phone vibrates and plays a melody simultaneously.
   • **Mute**: the phone is silent and does not play a melody or vibrate.

5. Touch the **Message alert tone** field, touch to select a ringtone and touch **Save**.

6. Touch the **Message alert repetition** pull-down and select one of the following:
   • **Once**: repeats the message alert once.
   • **Periodic**: repeats the message alert periodically.

7. Touch the **Alert tone volume** slide bar, then touch and drag the slider to the intensity level you desire (range is 1-7).

8. Touch the **Message alert vibration** field, and select Vibration select **Vibration 1 - 3**, then touch **Save**.

9. Touch **Save** to return to the Sound Profiles menu.
Phone

1. From the Home screen, press \( \text{MENU} \) then touch Settings → Sound Profiles.

2. Touch the arrow to the right of the Driving profile.

3. Touch the pull-down menu and select Phone.

4. Touch the Keypad tone pull-down and select one of the following tones:
   - Beep
   - Glossy

5. Touch the Power on type field, select one of the following and touch Save:
   - Melody: the phone plays the selected Power on type melody.
   - Vibration: the phone will vibrate but not play a melody.
   - Vibration and melody: the phone vibrates and plays a melody simultaneously.
   - Mute: the phone is silent and does not play a melody or vibrate.

6. Touch the Power off type field, select one of the following and touch Save:
   - Melody: the phone plays the selected Power off melody.
   - Vibration: the phone will vibrate but not play a melody.
   - Vibration and melody: the phone vibrates and plays a melody simultaneously.
   - Mute: the phone is silent and does not play a melody or vibrate.

7. Touch the Phone sound volume slide bar, then touch and drag the slider to the volume level you desire (range is 0-7).

8. Touch Save to return to the Sound Profiles menu.

Outdoor

In this case, you are outdoors and might not be able to hear the phone, or need an increased volume in order to hear the phone. For example, you might be jogging and need the phone to vibrate and ring loudly.
Call

1. From the Home screen, press ☰ MENU then touch Settings → Sound Profiles.
2. Touch the arrow to the right of the Outdoor profile.
3. Touch the pull-down menu and select Call.
4. Touch the Call alert type field, select one of the following and touch Save:
   - **Melody**: the phone rings using the ring melody selected in the Ring tone menu.
   - **Raising melody**: the melody volume increases.
   - **Vibration then melody**: the phone vibrates 3 times and then starts ringing.
   - **Vibration and melody**: the phone vibrates and plays a melody simultaneously.
   - **Vibr. & raising melody**: the phone vibrates and the melody increases simultaneously.
5. Touch the Voice call ringtone field, touch to select a ringtone and touch Save.
6. Touch the Call alert volume slide bar, then touch and drag the slider to the volume level you desire (range is 1-7).
7. Touch the Call alert vibration field, then touch to select Vibration 1 - 5 and touch Save.
8. Touch Save to return to the Sound Profiles menu.

Message

1. From the Home screen, press ☰ MENU then touch Settings → Sound Profiles.
2. Touch the arrow to the right of the Outdoor profile.
3. Touch the pull-down menu and select Message.
4. Touch the Message alert type field, select one of the following and touch Save:
   - **Melody**: the phone plays the selected Message alert tone.
   - **Vibration**: the phone will vibrate but not play a melody.
   - **Vibration and melody**: the phone vibrates and plays a melody simultaneously.
   - **Mute**: the phone is silent and does not play a melody or vibrate.
5. Touch the Message alert tone field, select a tone and touch Save.
6. Touch the **Message alert repetition** pull-down and select one of the following:
   - **Once**: repeats the message alert once.
   - **Periodic**: repeats the message alert periodically.

7. Touch the **Alert tone volume** slide bar, then touch and drag the slider to the intensity level you desire (range is 1-7).

8. Touch the **Message alert vibration** field, and select Vibration select **Vibration 1 - 3**, then touch **Save**.

9. Touch **Save** to return to the Sound Profiles menu.

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**Phone**

1. From the Home screen, press **MENU** then touch **Settings ➔ Sound Profiles**.

2. Touch the arrow to the right of the **Outdoor** profile.

3. Touch the pull-down menu and select **Phone**.

4. Touch the **Keypad tone** pull-down and select one of the following tones:
   - **Beep**
   - **Glossy**

5. Touch the **Power-on type** field, select one of the following and touch **Save**:
   - **Melody**: the phone plays the selected Power on type melody.
   - **Vibration**: the phone will vibrate but not play a melody.
   - **Vibration and melody**: the phone vibrates and plays a melody simultaneously.
   - **Mute**: the phone is silent and does not play a melody or vibrate.

6. Touch the **Power-off type** field, select one of the following and touch **Save**:
   - **Melody**: the phone rings using the ring melody selected in the Ring tone menu.
   - **Vibration**: the phone will vibrate but not play a melody.
   - **Vibration and melody**: the phone vibrates and plays a melody simultaneously.
   - **Mute**: the phone is silent and does not play a melody or vibrate.
7. Touch the **Phone sound volume** slide bar, then touch and drag the slider to the volume level you desire (range is 0-7).

8. Touch **Save** to return to the Sound Profiles menu.

### Display Settings

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

1. From the Home screen, press 📲 then touch **Settings ➔ Display settings**.

2. Select one of the following options:

#### Selecting Wallpaper

This menu allows you to change the background image to display Wallpaper.

1. From **Display settings** menu, touch **Wallpaper** to view the Wallpaper selection.

2. Touch a panel to change (panel 1, 2, or 3).

3. Touch the plus sign next to the wallpaper image to use. The wallpaper type changes for the selected panel.

#### Font Type

You can select the text style for the informational text displayed on the Main LCD.

1. From **Display settings** menu, touch **Font type**.

2. Select **Type1**, **Type2** or **Type3**.

3. Touch **Save**.

#### Greeting Message

In this menu you enter the text that displays on the main screen when the phone powers on.

1. From **Display settings** menu, touch **Greeting message**.

2. Touch 🖊️ to erase the greeting message, then use the touch screen keypad to enter a new greeting.

3. Touch **Save**.
**Brightness**

After you set the backlight duration, set the brightness levels.

1. From Display settings menu, touch Brightness.
2. Touch and drag the Level slider to the brightness level you desire (range is 1-5).
3. Touch Save.

**Backlight time**

A backlight illuminates the internal display and the keypad. When you touch any key, the backlight turns on. Backlight turns off when no keys are pressed within a given period of time, depending on the Backlight menu setting. The display turns off after one minute to conserve battery power.

This setting determines how long the backlight is on.

To specify the length of time the backlight is active:

1. From Display settings menu, touch Backlight time.
2. Touch one of the backlight times (range is 8 seconds, 15 seconds, 30 seconds, 1 minute, 3 minutes, or 10 minutes) and touch Save.

**Time & Date**

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

1. From the Home screen, press MENU then touch Settings → Time and date.
2. Touch the Automatic time update pull-down list and select one of the following:
   - Manual only: you need to manually set the time and date according to the current time zone using the Set time menu.
   - Prompt first: you are prompted for a time change, if available.
   - Automatic: the phone automatically updates the time and date according to the current time zone using the network service.
3. Touch the Time zone field (only available if Time zone updating is set to Manual only or Prompt first).
4. Select the **12H** (12-hour) or **24H** (24-hour) format.

5. Touch the **Time** field (only available if Time zone updating is set to **Manual only** or **Prompt first**). On the screen that displays, touch **Hour**, the hour, **Minute**, the minute, **AM/PM**, and **Set**. Touch **Jog** to use + and - to set the hour and minute. Touch **Keyboard** to return to keyboard mode. Touch **Back** to cancel.

6. Touch **Date format** and then choose DD/MM/YYYY, MM/DD/YYYY, YYYY/MM/DD, or YYYY/DD/MM.

7. Touch the **Date** field (only available if Time zone updating is set to **Manual only** or **Prompt first**). On the screen that displays, touch **Month**, the month, **Day**, the day, **Year**, the year, and **Set**. Touch **Jog** to use + and - to set the Month, Day, and Year. Touch **Keyboard** to return to keyboard mode. Touch **Back** to cancel.

8. Touch **Save** to confirm your selections. Touch **Back** to cancel all changes.
Phone Settings

You can customize various phone settings.

From the Home screen, press \(\text{MENU}\) then touch \textit{Settings} \(\Rightarrow\) \textit{Phone settings}.

Language

This menu allows you to determine a display language for Screen text and Input language. Choose from Automatic, English, Français, and Español.

\textbf{Note:} Changing the Screen text language causes a message to be displayed. Touch \textit{Yes} to restart the phone. Touch \textit{No} to cancel.

Vibration feedback

You can set the level of intensity at which you want the vibration mode.

1. From \textit{Phone settings} menu, touch \textit{Vibration feedback}.
2. Touch and drag the \textit{Vibration intensity} slider to the intensity level you desire (range is 0-5).
3. Touch \textit{Save}.

Calibration

The Calibration feature allows you to re-align the screen’s touch accuracy. Use this feature only when the device does not respond properly when you touch the screen.

1. From \textit{Phone settings} menu, touch \textit{Calibration}.
2. Tape the center of the target with a pen and repeat this step for each target that displays.
3. Touch \textit{Yes} when the \textit{New settings saved} message displays.

Touch panel auto-lock

From \textit{Phone settings} menu, touch \textit{On} or \textit{Off} from the \textit{Touch panel auto-lock} field.

Security

The Security feature enables you to restrict the use of your phone by others and to restrict the types of calls. Various codes and passwords are used to protect the features of your phone.

From \textit{Phone settings} menu, touch \textit{Security}. 
**Lock Phone**

When the Lock Phone feature is enabled, the phone is locked and you must enter the 4- to 8-digit phone password each time the phone is switched on.

To change the phone password, refer to the next section.

Once you enter the correct password, you can use the phone until you switch it off.

► Touch On or Off from the **Lock phone** field.

**Check PIN code**

When the Check PIN code feature is enabled, you must enter your PIN each time you switch on the phone. Consequently, any person who does not have your PIN cannot use your phone without your approval.

 ► Touch On or Off from the **Check PIN code** field.

**Lock Applications**

Using this menu, you can lock your media contents, such as messages, images, and sounds. Once you lock the contents, you must enter the phone’s password to access the associated menus.

1. Touch the **Lock applications** field.

2. Touch the check box next to each application you want to lock, or touch **Select all** to select all applications.

3. Touch **Save**.

---

**Note:** To change this password, see “Change Password” on page 153.

**Fixed Dialing Mode**

FDN (Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers.

► Touch On or Off from the **Fixed dialing mode** field.

- **On:** you can only call phone numbers stored in FDN contacts. You must enter your PIN2. You can obtain your PIN2 from the service department.

- **Off:** you can call any number.
**Change Password**

The Change password feature allows you to change your current phone password to a new one. You must enter the current password before you can specify a new one.

Once you have entered a new password, you are asked to confirm it by entering it again.

1. Touch the **Change password** field.
2. Enter the current password and touch **Confirm**.
3. Enter a new password in the **New password** field and touch **Confirm**.
4. Enter the new password again and touch **Confirm**.

The password changed confirmation displays.

**Note:** If you change your password, be sure to write it down and keep it in a safe place. If you forget your password, your phone requires service to have it unlocked.

**Change PIN code**

This feature allows you to change your current PIN, provided that the PIN check feature is enabled. You must enter the current PIN before you can specify a new one.

Once you have entered a new PIN, you are asked to confirm it by entering it again.

1. Touch the **Change PIN code** field.
2. Enter your PIN code.
3. Enter a new PIN code.
4. Confirm your PIN code.
**Change PIN2 code**

The Change PIN2 code feature allows you to change your current PIN2 to a new one. You must first enter the current PIN2 (obtained from your carrier) before you can specify a new one. Once you have entered a new PIN2, you are asked to confirm it by entering it again.

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**Note:** Not all SIM cards have a PIN2. If your SIM card does not, this menu does not display.

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1. Touch the **Change PIN2 code** field.
2. Enter your PIN2 code.
3. Enter a new PIN2 code.
4. Confirm your PIN2 code.

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**Airplane mode**

Airplane Mode allows you to use many of your phone’s features, such as Games, Voice note, and so on, when you are in an airplane or in any other area where making or receiving calls or data is prohibited. When your phone is in Airplane Mode, it cannot send or receive any calls or access online information.

- Touch **On** or **Off** from the **Airplane mode** field.

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**PC Connections**

1. From the Home screen, press **MENU** then touch **Settings ➔ Phone settings ➔ PC connections**.
2. Touch **Samsung PC Studio**, **Ask on connection**, or **Mass storage** and touch **Save**.

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**Smart Unlock**

Smart Unlock is a gesture control, which enables you to unlock the phone, launch features and make calls simply by drawing a symbol with your finger on the screen. When you display the Smart unlock screen a list of symbols displays.

1. Touch the **Show guide** checkbox so the screen will remind you of the pattern to draw.
2. Touch **Save**.
3. Touch a pattern in the list to display a list of options.
4. Touch **Off**, **Unlock**, or touch an application to unlock using this character then touch **Save**.
Note: Write down or memorize the pattern you select because each time you open the selected application you must draw this pattern on the screen to unlock it.

**Motion Settings**

The Motion Detection (Etiquette) feature is used to mute the ringtone on an incoming call, set Snooze on an alarm, or start and restart a timer by turning the phone over. You can also turn the phone over without disconnecting an incoming call.

**Important!**: If you turn the phone face down, the current sound is temporarily muted, however, the sound profile does not change.

1. From the Home screen, press then touch Settings ➔ Motion settings.
2. Touch Etiquette pause.
3. Touch On to activate or Off to deactivate the Etiquette pause feature.

**Call Settings**

To access the Call settings menu:

1. From the Home screen, press then touch Settings ➔ Call settings.
2. Touch one of the following options:
   - **Show my number**: allows you to select how your ID is handled when an outgoing call is initiated.
   - **Answering mode**: selects how your phone answers incoming calls. Selections are: Normal, Any key, or Automatic.
   - **Call status tones**: allows you to activate the phone to alert you when the call connects with a Call connect tone, Minute minder, or call end tone.
   - **Alerts on call**: activates an alert tone for new messages being received during an active call.
   - **Call forwarding**: incoming calls are re-routed to a secondary number that you specify.
   - **Call barring**: allows you to restrict specific types of incoming and outgoing calls on your phone.
   - **Call waiting**: this network service informs you when someone is trying to reach you during another call. You can specify individual call waiting options for voice calls.
   - **Auto redial**: automatically redials the last number if the call was either cut off or you were unable to connect.
   - **Auto reply**: sets up an automatic text reply for incoming calls.
   - **Automatic screen lock**: automatically locks the screen after a call to prevent key presses.
**Application Settings**

The Application Settings feature allows you to configure the functional parameters for most of the on-board applications. These applications are described in more detail within other sections of this manual.

- Messaging
- Calendar
- Contacts
- Data roaming
- Web
- Music player

1. From the Home screen, press `MENU` then touch **Settings → Application settings**.

2. Touch an application to view the available settings and refer to the section of this manual that addresses the particular settings.

**Enabling Data Roaming**

This feature allows you to control the use of data services when your phone is in roaming mode.

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**Important!** Once data roaming is disabled, avoid applications that may reactivate the data roaming feature and charges incurred. Please contact your service center for details.

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1. From the Home screen, press `MENU` then touch **Settings → Application settings → Data roaming**.

2. Touch **Enable** or **Disable**.

**Network Selection**

The Network selection feature enables you to search for an available network. You can also configure the phone to automatically or manually select the network used when roaming outside of your home area.

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**Note:** You can select a network other than your home network only if there is a valid roaming agreement between the two.

---

To change the Network Selection mode:

1. From the Home screen, press `MENU` then touch **Settings → Network settings → Network selection**.
**Search now**

To change the Network Selection mode:

1. Touch **Search now**.
   
   The phone scans for network connections and displays them.

2. Touch the network to which you subscribe and touch **Select**.

**Default setup**

To change your Default setup:

1. Touch **Default setup**.

2. Touch one of the following options:
   
   - **Automatic**: you are connected to the first available network when roaming.
   
   - **Manual**: the phone begins searching for available networks. Touch the radio button next to the network with which you want to connect and touch **Select**.
     
     If a connection is available, you are connected.

3. Touch **Select**.

**Network Profiles**

The Network profiles feature allows you to create custom network profiles, or configure the WAP or MMS profiles.

1. From the Home screen, press **MENU** then touch **Settings → Network settings**.

2. Tap **Network profiles**.

3. Select one of the following:
   
   - **WAP**: configures the wireless access protocols. Set name, Access name, Auto type, User ID, Password, Protocol, Home URL, Proxy address, Linger Time (Sec.), and Advanced settings for the WAP server.

   - **MMS**: Set name, Access name, Auto type, User ID, Password, Protocol, Home URL, Proxy address, Linger Time (Sec.), and Advanced settings for outgoing MMS messages.

   – or –

   Touch **Create** and create a custom profile.
Restoring Network profiles

Use this feature to restore the network profiles to their original configuration.

1. From the Home screen, press \( \text{MENU} \) then touch Settings ➔ Network settings.
2. Tap Network profiles.
3. Select the profile you want to edit, then enter a New password and press Save.

Memory Settings

To access Memory Settings:

➢ From the Home screen, press \( \text{MENU} \) then touch Settings ➔ Memory settings.

Clear memory

From this menu you can clear the memory for Files, Messaging, Phonebook, Calendar, Tasks, Memo, Games and apps, and Exchange email.

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

1. Touch one of the applications to clear, or touch Select all to clear all the memory settings.
2. Touch Clear.
3. Enter your password in the Password field and touch Confirm.
4. At the Clear? prompt, touch Yes to confirm your action.

Memory card details

1. From the Home screen, press \( \text{MENU} \) then touch Settings ➔ Memory settings ➔ Memory card details. The details display.
2. Touch one of the following options:
   • Format: allows you to erase all the data on the inserted memory card and formats it for your phone.
   • Rename: allows you to rename this memory card (if a name was assigned).
Memory status

You can check the amount of the memory being used and the memory remaining for Shared memory, Messaging, Files, Calendar, Tasks, Memo, and Phonebook. The display shows the total space including the used and available space.

You can also view how much space is currently occupied by each message box and check how many names and numbers are stored in Contacts, in the SIM card, phone memory, and FDN.

1. From the Home screen, press "MENU" then touch Settings ➔ Memory settings ➔ Memory status.

2. Touch the desired item to check the memory status.
Reset Settings

Reset settings

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

The following options are available:

- **Select all**: Phone, Display, and Sound settings are returned to default values.
- **Sound profiles**: only sound profiles are returned to default values.
- **Display settings**: only display settings are returned to default values.
- **Phone settings**: only phone settings are returned to default values.

To reset your settings:

1. From the Home screen, press 📲 MENU then touch Settings ➔ Reset settings ➔ Reset settings.

2. Highlight one of the options or highlight Select all and press 📲 MENU to place a check mark next to the option.

3. Touch Reset, enter your password, and touch Confirm.

4. At the prompt, select Yes to confirm or No to cancel.

Master reset

1. From the Home screen, press 📲 MENU then touch Settings ➔ Reset settings ➔ Master reset.

2. Enter your password and touch Confirm.

3. At the prompt, select Yes to confirm or No to cancel.
Section 15: Health and Safety Information

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

Exposure to Radio Frequency (RF) Signals

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

Do cell phones pose a health hazard?

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

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

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

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

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

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.
While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

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

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

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

**Interphone Study**

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

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at [http://com.iarc.fr/en/media-centre/pr/](http://com.iarc.fr/en/media-centre/pr/).

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](http://www.ukcosmos.org/index.html).
Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

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

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

Cell Phone Industry Actions

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

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

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

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

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

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

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

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

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

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

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

**Children and Cell Phones**

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

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

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

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

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

These FCC 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 phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).
The FCC 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 phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.5 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

**GSM 850**
- Head: 0.20 W/Kg.
- Body-worn: 0.50 W/kg W/Kg.

**GSM 1900**
- Head: 0.38 W/kg.
- Body-worn: 0.58 W/kg.

**UMTS IV**
- Head: 0.62 W/kg.
- Body-worn: 0.42 W/kg.

SAR information on this and other model phones can be viewed online at [http://www.fcc.gov/oet/ea](http://www.fcc.gov/oet/ea). To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.
Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

**Smart Practices While Driving**

**On the Road - Off the Phone**

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

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

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

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

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

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

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

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

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

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

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

Battery Use and Safety

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

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

- Do not let the phone or battery come in contact with liquids. Liquids can get into the phone’s circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.

- Do not place your battery in or near a heat source. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.

- Do not dispose of the phone or the battery in a fire. The phone or the battery may explode when overheated.

- Do not handle a damaged or leaking battery. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.

- Avoid dropping the cell phone. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.

- Never use any charger or battery that is damaged in any way.
Do not allow the battery to touch metal objects. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

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

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

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

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

Samsung Mobile Products and Recycling

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

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

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

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

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.
Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: 

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://www.samsung.com/us/mobiletakeback and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

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

www.samsung.com/recyclingdirect
Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

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

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

UL Certified Travel Charger

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

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

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.
FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.
THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.
Display / Touch-Screen

Please note the following information when using your mobile device:

**WARNING REGARDING DISPLAY**

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

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

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty” page 181.

**GPS & AGPS**

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

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

**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.
Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and might not work in your area. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

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

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances. Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

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

To make an emergency call:

1. If the mobile device is not on, switch it on.

2. From the Home screen, touch the Dialer icon, then enter the emergency number for your present location (for example, 911 or other official emergency number) and press . Emergency numbers vary by location.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your
mobile device may be the only means of communication at the scene of an accident; do not cut off the call until
given permission to do so.

**Care and Maintenance**

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

**Keep your Samsung Mobile Device away from:**

**Liquids of any kind**

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

**Extreme heat or cold**

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

**Microwaves**

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

**Dust and dirt**

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

**Cleaning solutions**

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

**Shock or vibration**

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

**Paint**

Do not paint the mobile device. Paint can clog the device’s moving parts or ventilation openings and prevent
proper operation.
Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
• Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

**American Academy of Audiology**

11730 Plaza American Drive, Suite 300
Reston, VA 20190
Voice: (800) 222-2336
Email: info@audiology.org
Internet: [http://www.audiology.org/Pages/default.aspx](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
Operating Environment

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

Using Your Mobile Device Near Other Electronic Devices

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

Implantable Medical Devices

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

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

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

Other Medical Devices

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

Vehicles

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

Posted Facilities

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

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.
FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless mobile devices under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless mobile devices be compatible with hearing aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities. While some wireless mobile devices are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

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

The ratings are not guarantees. Results will vary depending on the user’s hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless mobile device rating values are then added together.
A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.

In the above example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless mobile device.

“Normal usage” in this context is defined as a signal quality that is acceptable for normal operation. The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

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

Restricting Children's Access to Your Mobile Device

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

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

FCC Notice and Cautions

FCC Notice

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

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft’s operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
Section 16: Warranty Information

Standard Limited Warranty

What is covered and for how long?

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Warranty Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone</td>
<td>1 Year</td>
</tr>
<tr>
<td>Batteries</td>
<td>1 Year</td>
</tr>
<tr>
<td>Case/Pouch/Holster</td>
<td>90 Days</td>
</tr>
<tr>
<td>Other Phone Accessories</td>
<td>1 Year</td>
</tr>
</tbody>
</table>

What is not covered?

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

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

**What are SAMSUNG’s obligations?**

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG’s sole option, without charge. SAMSUNG may, at SAMSUNG’s sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

**What must you do to obtain warranty service?**

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller’s name and address. To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

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

**What are the limits on SAMSUNG’s liability?**

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

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

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

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

**What is the procedure for resolving disputes?**

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with a dispute involving any other person’s or entity’s Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.
For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator’s award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG’s employees, representatives and affiliates if any such claim arises from the Product’s sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser’s purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: “Arbitration Opt Out.” You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under “Settings;” (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser’s purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability.

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.
End User License Agreement for Software

IMPORTANT. READ CAREFULLY: This End User License Agreement (“EULA”) is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. for software owned by Samsung Electronics Co., Ltd. and its affiliated companies and its third party suppliers and licensors that accompanies this EULA, which includes computer software and may include associated media, printed materials, “online” or electronic documentation (“Software”). BY CLICKING THE “I ACCEPT” BUTTON (OR IF YOU BYPASS OR OTHERWISE DISABLE THE “I ACCEPT”, AND STILL INSTALL, COPY, DOWNLOAD, ACCESS OR OTHERWISE USE THE SOFTWARE), YOU AGREE TO BE BOUND BY THE TERMS OF THIS EULA. IF YOU DO NOT ACCEPT THE TERMS IN THIS EULA, YOU MUST CLICK THE “DECLINE” BUTTON, AND DISCONTINUE USE OF THE SOFTWARE.

1. GRANT OF LICENSE. Samsung grants you the following rights provided that you comply with all terms and conditions of this EULA: You may install, use, access, display and run one copy of the Software on the local hard disk(s) or other permanent storage media of one computer and use the Software on a single computer or a mobile device at a time, and you may not make the Software available over a network where it could be used by multiple computers at the same time. You may make one copy of the Software in machine-readable form for backup purposes only; provided that the backup copy must include all copyright or other proprietary notices contained on the original.

2. RESERVATION OF RIGHTS AND OWNERSHIP. Samsung reserves all rights not expressly granted to you in this EULA. The Software is protected by copyright and other intellectual property laws and treaties. Samsung or its suppliers own the title, copyright and other intellectual property rights in the Software. The Software is licensed, not sold.
3. LIMITATIONS ON END USER RIGHTS. You may not reverse engineer, decompile, disassemble, or otherwise attempt to discover the source code or algorithms of, the Software (except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation), or modify, or disable any features of, the Software, or create derivative works based on the Software. You may not rent, lease, lend, sublicense or provide commercial hosting services with the Software.

4. CONSENT TO USE OF DATA. You agree that Samsung and its affiliates may collect and use technical information gathered as part of the product support services related to the Software provided to you, if any, related to the Software. Samsung may use this information solely to improve its products or to provide customized services or technologies to you and will not disclose this information in a form that personally identifies you.

5. UPGRADES. This EULA applies to updates, supplements and add-on components (if any) of the Software that Samsung may provide to you or make available to you after the date you obtain your initial copy of the Software, unless we provide other terms along with such upgrade. To use Software identified as an upgrade, you must first be licensed for the Software identified by Samsung as eligible for the upgrade. After upgrading, you may no longer use the Software that formed the basis for your upgrade eligibility.

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