

SPH-m330

P O R T A B L E   D u a l   B a n d  
T E L E P H O N E

User Guide

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



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## Service Offering

Network services and capabilities described within this manual are subject to the availability as provided by your service provider. Please consult your service provider for the availability and specifics related to any network services or capabilities.



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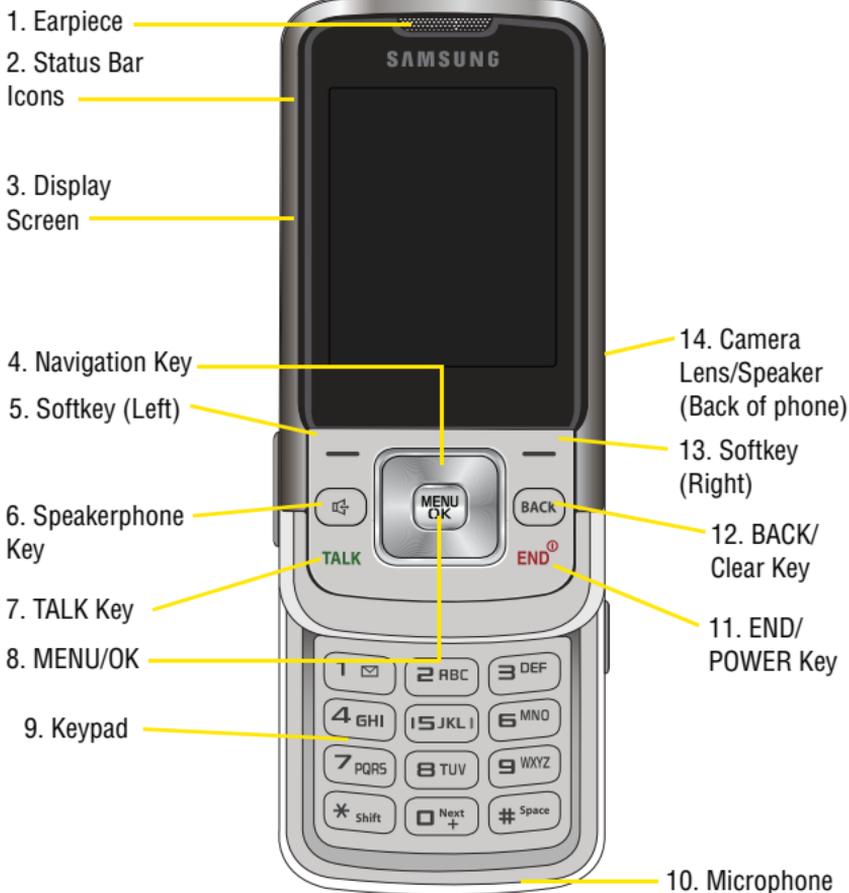
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# Getting Started

## Front View of Phone



## Side Views of Phone



### Key Functions

1. **Earpiece:** Allows you to hear the other caller and the different ring tones and sounds offered by your phone.
2. **Status Bar Icons:** Displays the current signal strength and status of phone.
3. **Display Screen:** Displays all of the information needed to operate your phone.
4. **Navigation Key:** Allows you to scroll through the phone menu options and provides a shortcut to phone functions from standby mode.
5. **Softkey (Left):** Can be used in several different ways.
  - In standby mode, press to access the **Web**.
  - When using other features, such as the Web Browser, the Left softkey performs a context-sensitive action. This action is shown in the bottom left corner of the LCD screen.
6. **Speakerphone Key:** Allows you to turn the speakerphone on or off.

## 2 Getting Started

7. **Talk Key:** Can be used in several different ways.
  - Allows you to place or receive a call.
  - In standby mode, press the key once to access the Recent Calls log.
  - If you press and hold the key down, you will initiate the Voice Recognition feature.
8. **MENU/OK:** Can be used in several different ways.
  - In standby mode, press to access the **Menu**.
  - Press  when navigating through a menu to accept the highlighted choice in the menu.
9. **Keypad:** Use these keys to enter numbers, letters, and characters.
10. **Microphone:** Allows the other caller to hear you clearly when you are speaking to them.
11. **END/POWER Key:** Used in several different ways.
  - During a call, press to end the call.
  - When you receive an incoming call, press to enter silent mode and mute the ringer.
  - When the phone is off or in standby mode, press and hold this key for a few seconds to turn your phone On or Off.
  - When in the main menu, press to return the phone to standby mode and cancel your input.
12. **BACK Key:** Deletes characters from the display when you are in text entry mode. When in a menu, press to return to the previous menu.
13. **Softkey (Right):** Can be used in several different ways.
  - In standby mode, press to access your **Contacts**.
  - When using other features, such as the Web Browser, the Right softkey performs a context-sensitive action. This action is shown in the bottom right corner of the LCD screen.
14. **Camera Lens/Speaker:** Allows you to take pictures. The speaker allows you to hear sounds and audio from your phone.
15. **Headset Jack:** Allows you to plug in an optional headset.
16. **Volume Button:** Can be used in several different ways.
  - Adjust the ringer volume in standby mode or to adjust the voice volume during a call.

- Scroll up or down to navigate through the different menu options.
- To mute the ringer during an incoming call, press the volume key up or down.

17. **Side Camera Button:** Used to launch the integrated digital camera.

18. **Charger/Accessories Jack:** Used to connect any available accessory cables to your phone.

## Viewing the Display Screen

Your phone's display screen provide a wealth of information about your phone's status and options. This list identifies the symbols you will see on your phone's display screen:



Indicates that data service is available. When active, the icon is animated.



Indicates that data is being transferred over the 1X network. The arrow direction indicates whether the handset is sending or receiving data.



Indicates that your web connection is dormant.



Indicates that position location is active.



Indicates that position location is inactive.



Indicates that your phone is roaming.



Indicates a missed call.



Indicates that you have a picture message waiting.



Indicates that you have a text message waiting.



Indicates that you have voicemail waiting.

- Press and hold  to dial your Voicemail box.



Indicates that you have a missed scheduled appointment.

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The camera is enabled and you are in Camera Mode.



Indicates that you have a missed alarm.



Indicates that you have a new message waiting.



Indicates that your phone is in vibrate only.



Indicates that your phone is set to ringer plus vibrate mode.



Indicates Ringer Off + Vibrate mode; the ringer is off and vibrate is on.



Indicates that the ringer is set at a level between 1-8.



Indicates that the ringer is turned off and vibrate mode is disabled.



Indicates Silence All mode; all sound is turned off.



Indicates that the ringer is set to beep when an incoming call is received.



Indicates that the ringer is set to beep and vibrate when an incoming call is received.



Indicates that the TTY option is On.



Indicates that an alarm is set on your phone.



Tells you a call is in progress.



Means there is no service, as your phone cannot find a signal.



Displays your current signal strength. When you are receiving maximum signal strength, six bars are shown.



Displays your current battery strength at full.

-  Displays your current battery strength when it is low.
-  Indicates Key Mute mode; the keypad turned off.
-  Indicates Speaker mode; the microphone turned off.
-  Indicates that the Self Timer function is enabled. With the self timer enabled, a set amount of time is required prior to taking a picture.
-  Indicates that the white balance has been set to Sunny. This is used for taking pictures outdoors on bright sunny days.
-  Indicates that the white balance has been set to Cloudy. This is used for taking pictures outdoors under cloudy conditions.
-  Indicates that the white balance has been set to Tungsten. This is used for taking pictures indoors under normal lighting conditions.
-  Indicates that the white balance has been set to Fluorescent. This is used for taking pictures indoors under fluorescent lighting conditions.
-  Indicates that the white balance has been set to Manual. This is used for taking pictures indoors or outdoors using your own custom settings.
-  Indicates a voice memo is being recorded.
-  Indicates the key you must press to pause playback.
-  Indicates the key you must press to play.
-  Indicates that files have been uploaded to an online album or folder.
-  Indicates that Bluetooth technology is active and enabled.
-  Indicates that Bluetooth technology is connected.
-  Indicates that a Bluetooth headset is connected and visible.
-  Indicates that Bluetooth technology is hidden.

## 6 Getting Started

## Features of Your Phone

Congratulations on the purchase of your Samsung SPH-m330 phone. This phone is lightweight, easy-to-use, reliable, and offers many significant features and service options:

- Dual-band capability provides access to other Digital Networks where roaming agreements are established. See "Roaming" on page 23.
- Wireless Web™ provides access to the wireless Internet in digital mode. See "Web" on page 35.
- Messaging provides quick and convenient text messaging capabilities. See "Messaging" on page 38.
- Downloadable games, ringers, wallpaper, and applications allow you to turn down time into fun time and to personalize your phone. See "My Downloads" on page 67.
- The built-in organizer lets you schedule alerts to remind you of important events. See "Calendar" on page 54.
- Six hundred phone numbers and each Contact entry can store up to seven phone numbers each. See "Contacts" on page 49.
- Hands-free interface using Voice Service. See "Voice Service" on page 32.
- 0.3 Megapixel Camera. See "Camera" on page 71.
- Advanced Speech Recognition. See "Voice Memo" on page 61.
- The keypad lets you quickly type messages. See "Text Messaging" on page 38.
- Bluetooth® Wireless Technology. See "Bluetooth" on page 77.
- English or French Language Menus. See "Language" on page 83.

## Turning Your Phone On and Off

### To turn your phone on:

- Press  to turn your phone on.

Once your phone is on, it automatically enters standby mode – the phone's standby mode. At this point, you are ready to begin making and receiving calls.

If your phone is unable to find a signal after 15 minutes of searching, the Power Save mode is automatically activated. When a signal is found, your phone automatically returns to standby mode.

In Power Save mode, your phone periodically searches for a signal without your intervention. You can also initiate a search for service by pressing any key (when your phone is turned on).

---

**Tip:** The Power Save mode helps to conserve battery power when you are in an area without a signal.

---

### To turn your phone off:

- Press and hold  for two seconds until you see the powering down animation on the display screen.

Your screen remains blank while your phone is off (unless the battery is charging).

## Using Your Phone's Battery and Charger

### Battery Capacity

Your phone is equipped with a Lithium Ion (Li-ion) battery. It allows you to recharge your battery before it is fully drained.

When the battery reaches a low capacity, the battery icon will blink, followed eventually by an audible alert and then power off.

---

**Note:** Long backlight settings, searching for service, vibrate mode, playing games, or using the web affect the battery's talk and standby times.

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**Tip:** Be sure to watch your phone's battery level indicator and charge the battery before it runs out of power.

---

## Installing or Removing the Battery

### To install or remove the Lilon battery:

1. Make sure the power is off so that you don't lose any stored numbers or messages. Press down on the cover and slide it in the direction of the arrow (1) and then carefully lift the battery cover away from the phone (2).



2. To insert the battery, insert the battery into the opening on the back of the phone at an angle (3), making sure the metal contacts on the battery connect with the matching connectors in the phone. Press down until the battery snaps into place (4).



3. To remove the battery, lift the battery up at each end (1) and remove from the phone (2).



4. Replace the cover plate by lining up the tabs (1) and then firmly sliding the cover in the direction of the arrow (2) until it snaps into place.



### Charging the Battery

Your phone's Li-ion battery is rechargeable and should be charged as soon as possible so you can begin using your phone.

Keeping track of your battery's charge is important. If your battery level becomes too low, your phone automatically turns off and you lose all of the information you were working on. For a quick check of your phone's battery level, glance at the battery charge indicator located in the upper-right corner of either of your phone's

display screens.  indicates that the battery is full. If the battery charge is getting too low, the battery icon  blinks and the phone sounds a warning tone. A "Low battery recharge soon" message appears on the phone's display screen.

Always use a Samsung-approved desktop charger, travel adapter, or vehicle power adapter to charge your battery.

---

**Warning!** FOR CONNECTION TO AN ELECTRICAL SUPPLY NOT LOCATED IN NORTH AMERICA, YOU MUST USE AN ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. USE OF THE WRONG ADAPTER COULD DAMAGE YOUR PHONE AND VOID YOUR WARRANTY.

**IMPORTANT SAFETY INSTRUCTIONS** - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL, HORIZONTAL, OR FLOOR-MOUNTED POSITION.

---

It takes approximately 4 hours to fully recharge a completely drained standard battery. With the Samsung approved Li-ion battery, you can recharge the battery before it drains completely.

An animated battery icon is displayed on the LCD screen. The icon indicates whether the battery is being charged or is fully charged.



# Phone Basics

## Displaying Your Phone Number

If you forget your phone number, your phone can remind you.

### To display your phone number:

1. Press  for **Menu**.
2. Select **Settings > Phone Info > Phone Number**.

---

**Note:** Menu items may be selected by highlighting them with the navigation key and pressing . You can also press the number corresponding to the menu item on your keypad.

---

## Making and Answering Calls

### Making Calls

Placing a call from your phone is as easy as making a call from any land-line phone. Just enter the number and press  and you're on your way to clear calls.

### To make a call using your keypad:

1. Make sure your phone is on.
2. Enter a phone number. (If you make a mistake while dialing, press the  key to erase one digit at a time. Press and hold the  key to erase the entire number.)

---

**Tip:** Based on the number entered, the phone will display the province or state underneath the number dialed. This feature works for numbers in Canada and the U.S.A. only. This can help you determine whether you are making a long distance call. Toll free numbers are not location-specific and no province or state name will be displayed.

---

3. Press  to call.
4. Press  when you are finished.

---

**Tip:** To redial your last recent call, press  twice.

---

You can also place calls from your phone using Voice Dial (page 32), Speed Dialing numbers from your Contacts (page 17), or using your Call History listings (page 64).

## Answering Calls

### To answer an incoming call:

1. Make sure your phone is on. (If your phone is off, incoming calls go to voicemail.)
2. Press  to answer an incoming call. (Depending on your phone's settings, you can also answer incoming calls by pressing any number key. See "Call Answer" on page 89 for more information.)

Your phone notifies you of incoming calls in the following ways:

- The phone rings or vibrates (unless set to Silence All).
- The backlight illuminates.
- The screen displays an incoming call message.

If the incoming call is from a number stored in your Contacts, the Contacts entry's name is displayed. The caller's phone number may also be displayed, if available.

The following options are also available to handle an incoming call:

- Press  or the volume key to quiet the ringer.
- Press the right softkey  to send the incoming call to your voicemail box.

---

**Note:** When your phone is off, incoming calls go to voicemail.

---

## Ending a Call

### To disconnect a call when you are finished:

- Press .

## Missed Call Notification

When an incoming call is not answered, a Missed Call message is displayed on your screen.

- To dial a missed call press .

## Calling Emergency Numbers

You can place calls to 911 (dial    and press ) , even if your phone is locked or your account is restricted.

---

**Warning:** After initiating a 911 call, you must end the call by pressing  **\*Star** or  **#Space**. This notifies the phone that the 911 call was terminated intentionally by the user. No other calls can be made before terminating the 911 call.

---

## In-Call Options

During a call, use the left softkey  to **Mute** or **UnMute** your phone's microphone. Additional actions are available by pressing the right softkey  for **Options** during a call. A list of options is displayed that allows you to perform different actions during the course of a call. The following options are available: (To select an option, press the corresponding keypad number or highlight the option and press .)

- **(1) Save:** Allows you to save the phone number to your Contacts if it is not saved already.
- **(2) 3-Way Call:** Allows you to talk to two different people at the same time. (For more information, see "Making a Three-Way Call" on page 21.)
- **(3) Contacts:** Accesses information on the Contact if they are in your phonebook.
- **(4) Voice Memo:** Allows you to record the current conversation. (For more information, see "Reviewing and Erasing Memos" on page 62.)
- **(5) Phone Info:** Displays the phone number, icon glossary, hardware/software version, and system and technology being used.
- **(6) Key Mute or Key UnMute:** Allows you to mute or reactivate your phone's key tones.
- **(7) Messaging:** Allows you to use the messaging menu and to send text messages.
- **(8) Recent History:** Checks your call log for Missed, Outgoing, and Incoming calls. You can also erase the logs and see Recent Calls from this menu.
- **(9) Tools:** Accesses the Tools menu options.

During a call, you can route the device's audio through the speaker or through the earpiece by pressing the speakerphone button on the keypad. You will see the message "Entering speaker mode". To turn off the speaker phone, press the speakerphone button again. You will see the message "Exit speaker mode".

---

**WARNING:** Because of higher volume levels, do not place the device near your ear during speakerphone use.

---

### End-of-Call Options

After receiving a call from or making a call to a phone number that is not in your Contacts, the phone number and duration of the call are displayed. Press the right softkey  for **Next** and select **Call Again** to call the number again, **Send Message** to send a text or picture message directly to that number, or **Save** to save the new number in your Contacts. (See "Saving a Phone Number" below for more information.)

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**Tip:** Press the left softkey  for **Save** to save the new number in your Contacts.

---

---

**Note:** The End-of-Call options are not displayed for calls identified as Unknown ID or Restricted number.

---

### Saving a Phone Number

Your phone can store up to 500 phone numbers. Contacts entries can store up to a total of seven phone numbers, and each entry's name can contain up to 64 characters. (For more information, see "Adding a New Contact" on page 49.)

#### To save a number from standby mode:

1. Enter a phone number and press .
2. Select **New Contact** or **Existing Contact**. If your Contacts list is empty, skip this step and proceed to step 3.
3. Select the number type (**Mobile, Home, Work, Pager, Others**) using the navigation key and press .
4. Enter the **Name** using the keypad.
5. Press the left softkey  for **Done**.

After you have saved the number, the new Contacts entry is displayed.

#### To find a phone number:

1. Enter three to four digits of the last four digits of a phone number. When entering the digits, the contact list is displayed directly.

2. Use your navigation key to display the desired entry.
3. To dial the number, highlight it and press .

## Dialing and Saving Phone Numbers With Pauses

You can dial or save phone numbers with pauses for use with automated systems, such as voicemail or credit card billing numbers.

There are two types of pauses available on your phone:

- **Hard Pause** sends the next set of numbers when you press .
- **2sec Pause** automatically sends the next set of numbers after two seconds.

---

**Note:** You can have multiple pauses in a phone number and combine 2-second and hard pauses.

---

### To dial or save phone numbers with pauses:

1. Enter a phone number from standby mode.
2. Press the right softkey  for **Options** and select **Hard Pause** or **2sec Pause**. Hard pauses are displayed as a “P” and 2-second pauses as a “T”.
3. Enter additional numbers.
4. Press  to dial the number.  
— or —  
Press the right softkey  for **Options** and select **Save** to save the number in your Contacts.

When dialing a number with a hard pause, press  to send the next set of numbers.

### Abbreviated Dialing

Abbreviated dialing allows you to set a five or six-digit prefix for commonly used phone numbers. When abbreviated dialing is On, you can enter the last four or five digits of any phone number that only matches the five or six digit prefix. The number is dialed using the prefix numbers plus the last four or five digits entered.

### To set up abbreviated dialing:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Call setup**.

4. Select **Abbreviated Dialing**.
5. Press the navigation key up or down to select **On** and press .
6. Input the five or six digit prefix and press  to **Save**.

### Making an Abbreviated Dial Call

#### To make a call:

1. Enter the last four or five digits of the prefix phone number.
2. Press  to make the call.

### Dialing From Contacts

#### To dial directly from a Contacts entry:

1. Press the right softkey  for **Contacts**.
2. Enter the first few letters of the entry's name to locate the desired entry.  
-or-  
Scroll down to highlight the desired entry.
3. Press  to make the call.

---

**Tip:** If the desired entry contains more than one phone number, scroll left or right to display the number you wish to call and press  to make the call.

---

### Using One-Touch or Two-Touch Speed Dialing

You can store up to 98 numbers in your phone's speed dial memory to make contacting friends and family as easy as pressing a few buttons. With this feature, you can dial Speed Dial entries using one key press for locations 2-9, and two key presses for locations 10-99.

#### To use One-Touch Dialing for Speed Dial locations 2-9:

- Press and hold the appropriate key for approximately two seconds. (The display confirms that the number has been dialed when it shows "Speed Dial #". See "Speed Dial #'s" on page 50.)

---

**Note:** Location 1 is reserved for voicemail and cannot be changed.

---

## To use Two-Touch Dialing for Speed Dial locations 10-99:

1. Press the first digit.
2. Press and hold the second digit for approximately two seconds. (The display confirms that the number has been dialed when it shows “Speed Dial #”. See “Speed Dial #’s” on page 50.)

## Entering Text

### Selecting a Character Input Mode

Your phone provides convenient ways to enter words, letters, punctuation, symbols, and numbers whenever you are prompted to enter text (for example, when adding a Contacts entry or when sending text messages).

### To change the character input mode:

1. When you display a screen where you can enter text, press the right softkey  for **Options**.
2. Select a character input mode:
  - **Alpha** to enter characters by tapping the keypad (see page 19).
  - **T9(English)** to enter text using a predictive text system that reduces the number of keypresses required while entering a word.
  - **Symbol** to enter symbols (see page 19).
  - **Number** to enter numbers (see page 19).

### Entering Text Using T9 Text Input

T9 Text Input lets you enter text by pressing keys just once per letter. T9 Text Input uses an intuitive word database to analyze the letters you enter and create a suitable word. (The word may change as you type.)

### To enter text using T9 Text Input:

1. From a text entry screen (for example, when composing a text message), press the right softkey  for **Options** and select **T9(English)**.
2. Press the corresponding keys once per letter to enter a word. (For example, to enter the word “Bill,” press    ).
  - To get the uppercase B in the above example, press  until the text input mode has cycled to Word. This keeps the word with only an initial uppercase.

- If the word you want is not displayed after you have entered all the letters, press  to then display additional word selections with each consecutive press of .
- To accept a word and insert a space, press .

## Entering Characters Using Alpha mode

To enter characters by tapping the keypad, select the Alpha mode (see “Selecting a Character Input Mode” on page 18). Press the corresponding key repeatedly until the desired character appears. When the ABC icon is shown, the first letter of the first word is capitalized and the following letters are lowercase. Press  to cycle between upper case (ABC), lower case (abc), or initial caps (Abc) for characters in ABC mode.

### To enter text using Alpha:

1. From a text entry screen (for example, when composing a text message), press the right softkey  for **Options** and select **Alpha**.
2. Use your keypad to enter the contact's name.

## Entering Numbers, Symbols

### To enter symbols:

- Select the **Symbol** mode. (See “Selecting a Character Input Mode” on page 18.) To enter a symbol, press the appropriate key indicated on the display.

### To enter numbers:

- Select the **Number** mode and press the appropriate key. (See “Selecting a Character Input Mode” on page 18.)

## Text Entry

The Text Entry menu allows you to customize how T9 text entry mode functions on your handset.

### To change your Text Entry options:

1. Press  for **Menu**.
2. Select **Settings > Text Entry**.
3. Using the navigation key, select one of the following options and press :

- **Auto-Capital:** When activated, capitalizes the first word of a sentence. Highlight **On** or **Off**.
- **Auto-Space:** When activated, adds a space after you select a word in T9 Mode. Highlight **On** or **Off**.

- **Dual Language:** When activated and you are in T9 Mode, displays choices from both the English and French dictionaries. Highlight **None** or **French**.
- **My Words:** When activated, adds the word to the personal dictionary.
- **Used Word Dictionary:** When activated, adds the words used to the phone's dictionary. Highlight **Yes** or **No**.
- **Display Candidate:** When activated and you are in T9 Mode, displays possible word choices on the screen. Highlight **Display On** or **Display Off**.
- **Prediction Start:** Sets the number of letters required to activate the Display Candidate feature. Highlight the numbers of letters you wish to start Display Candidate.
- **Auto Word Insertion:** When activated, inserts predictive words into the text.
- **Help:** Provides additional information on using T9 text entry mode. Scroll up or down using the navigation key. When you are finished, press the left softkey  for **Done**.

## Using Voicemail

All unanswered calls to your phone are automatically transferred to your voicemail, even if your phone is in use or turned off. For information on configuring and retrieving your voicemail, see "Voicemail" on page 41.

## Using Caller ID

Caller ID allows people to identify a caller before answering the phone by displaying the number of the incoming call. If you do not want your number displayed when you make a call, just follow these easy steps.

### To block your phone number from being displayed for a specific outgoing call:

1. Press \*67.
2. Enter the number you want to call.
3. Press .

To permanently block your number, call the Customer Service department of your network service provider.

## Responding to Call Waiting

When you're on a call, Call Waiting alerts you of incoming calls by sounding two beeps. Your phone's screen informs you that another call is coming in and displays the caller's phone number (if it is available and you are in digital mode).

### To respond to an incoming call while you're on a call:

- Press . (This puts the first caller on hold and answers the second call.)

### To switch back to the first caller:

- Press  again.

## Making a Three-Way Call

With Three-Way Calling, you can talk to two people at the same time. When using this feature, the normal airtime rates will be charged for each of the two calls.

### To make a Three-Way Call:

1. Enter a number you wish to call and press .
2. Once you have established the connection, press the right softkey  for **Options > 3-Way Call**.
3. Select **Contacts** or **Recent List** to retrieve a number from your phone, or select **Enter Phone#** to type in a new number. Press .
4. When you're connected to the second party, press the right softkey  for **Join** to begin your three-way call.

If one of the people you called hangs up during the call, you and the remaining caller stay connected. If you initiated the call and are the first to hang up, all three callers are disconnected.

---

**Tip:** You can also begin a Three-Way Call by displaying a phone number stored in your Contacts, Call History, or Messaging. To call the third party, press .

---

## TTY Use With Handset

A TTY (also known as a TDD or Text Telephone), is a telecommunications device that allows people who are deaf, hard of hearing, or have speech or language disabilities to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it supports digital wireless transmission. Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

### To turn TTY Mode on or off:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Accessibility**.
4. Select **TTY Options**. (A brief explanation of TTY will display.)
5. Press  again to continue.
6. Press the navigation key up or down to select **TTY Off** or **TTY On** and press  to save and exit. When TTY is on, connect to your headset.

---

**Note:** In TTY Mode when your headset is plugged in, your phone will display the TTY access icon. If TTY mode is enabled, the headset cannot be used.

---

---

**IMPORTANT 911 Emergency Calling:** We recommend that TTY users make emergency calls by other means, including Telecommunications Relay Services (TRS), analog cellular, and land line communications. Wireless TTY calls to 911 may be corrupted when received by public safety answering points (PSAPs) rendering some communications unintelligible. The problem encountered appears related to TTY equipment or software used by PSAPs. This matter has been brought to the attention of the FCC, and the wireless industry and PSAP community are currently working to resolve it.

---

# Roaming

## Understanding Roaming

### Recognizing Icons on the Display Screen

Your phone's display screen always lets you know when you're off the network. The following chart indicates what you will see depending on where you are using your phone.

Roaming Indicator	
Network	
Other Digital Networks	

---

**Note:** You will pay a higher per-minute rate for roaming calls.

---

### Roaming on Other Digital Networks

When you're roaming, your call quality and security will be similar to the quality you receive when making calls on your home network. However, you might not be able to access certain features, such as web services.

---

**Note:** If you are on a call when you leave the network and enter an area where roaming is available, your call is dropped. If your call is dropped in an area where you think service is available, turn your phone Off and On again to reconnect to the network.

---

## Setting Your Phone's System

Your phone allows you to control your ability to roam. Using the **Roaming** menu option, you can determine which signals your phone accepts.

**Choose from two different settings on your phone to control your roaming experience:**

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Roaming**.
4. Select **Set Mode**.

5. To select an option, highlight it and press .
- **Automatic:** This setting seeks service. When service is unavailable, the phone searches for an alternate system.
  - **Home only:** This setting allows you to access the home network only preventing roaming on other networks.

# Menu

## Menu Styles

Your phone can display the various features and options in one of two different menu styles:

### Grid

Grid displays the first level menu choices with static graphical icons arranged in a grid pattern. As you navigate through the menu, menu options are highlighted. You can use the navigation key to scroll through menus quickly and easily.

- To navigate through a first level menu, simply press the navigation key in the direction of your desired menu choice. The menu choice is highlighted. Once the desired menu option is highlighted, press .
- You can also press the number corresponding to the menu choice. For example, if you want to view your last incoming call:
  1. Press  for **Menu**.
  2. Select  for **Call History**.
  3. Select  for **Recent Calls**.

### List

List displays the first level menu choices in a vertical list. In other menu levels, choices are also arranged in a vertical list.

- To navigate through a menu, simply press the navigation key up or down. If you are in a first-level menu, such as **Settings**, you can also navigate to the next menu by pressing the navigation key left or right.
- You can also press the number corresponding to the menu choice.

### Changing the Phone's Menu Style

Your phone allows you to choose how the menu appears on your display screen.

#### To select the phone's menu style:

1. Press  for **Menu**.
2. Select left softkey  for **GRID VIEW** or **LIST VIEW**.

### Backing Up Within a Menu

#### To go to the previous menu:

- Press .

#### To return to standby mode:

- Press .

# Viewing the Menus

## Menu Diagram

The following list outlines your phone's menu structure:

### 1: Self-serve

#### 2: Call History

- 1: Outgoing Calls
- 2: Incoming Calls
- 3: Missed Calls
- 4: Recent Calls
- 5: Air Times
  - 1: Last Call
  - 2: Total Calls

#### 3: Bluetooth

- 1: On/Off
- 2: Visibility
  - Always visible
  - Visible for 3 min
  - Hidden
- 3: Add a New...
- 4: Trusted Devices
- 5: My Bluetooth Info

#### 4: Camera

- 1: Camera
- 2: My Albums
- 3: PictBridge
- 4: Status Bar
  - 1: On
  - 2: Off

#### 5: Messaging

- 1: Send Message
- 2: Text & Picture Message
  - 1: Inbox
  - 2: Outbox
  - 3: Draft
  - 4: Saved
- 3: Web Alert

#### 4: Voicemail

- 1: Call Voicemail
- 2: Clear Envelope
- 3: Voicemail #

#### 5: Settings

- 1: General
  - 1: Notification
    - Message & Icon
    - Icon only
  - 2: Preset Messages
    - 1: Can't talk right now.  
Send me a message.
    - 2: Call me
    - 3: Where are you?
    - 4: Can you talk?
    - 5: Don't forget to
    - 6: Can you pick up
    - 7: Thanks!
    - 8: Meet me at
    - 9: Let's get lunch.
    - 10: I sent this from my  
PCS phone.
    - 11: The meeting has been  
cancelled.
    - 12: I have to work late.
    - 13: I'm on a conference  
call.
    - 14: I'll be there at
    - 15: What time does it  
start?
    - 16: Tag, you're it!
    - 17: I love you!
    - 18: Hugs and kisses-  
OXOXO
    - 19: Crazy 4 you!
    - 20: Too funny!
- 3: Message Alert
  - 1: Volume
    - 1: Voicemail

- 1: Use Ringer Volume
  - 2: Separate Volume
  - 2: Text Message
    - 1: Use Ringer Volume
    - 2: Separate Volume
    - 3: Picture Message
      - 1: Use Ringer Volume
      - 2: Separate Volume
  - 2: Type
    - 1: Voicemail
    - 2: Text Message
    - 3: Picture Message
  - 3: Reminder
    - 1: Off
    - 2: Once
    - 3: Every 2 min
  - 4: Auto-Erase
    - Yes
    - No
  - 5: Save in Outbox
    - Auto Save
    - Prompt
    - Do not Save
  - 6: Draft Alert
    - On
    - Off
  - 2: Text Message
    - 1: Priority
      - Normal
      - Urgent
    - 2: Call Back #
      - 1: None
      - 2: My Phone Number
    - 3: Other
      - 3: Picture Message
        - 1: Priority
          - High
          - Normal
          - Low
        - 2: Auto Download
          - On
          - Off
      - 4: Alerts Setup
        - On
        - Off
- 6: Tools**
- 1: Alarm
    - 1: Alarm #1
    - 2: Alarm #2
    - 3: Alarm #3
  - 2: Calculator
  - 3: Tip Calculator
  - 4: Calendar
    - 1: Today
    - 2: Scheduler
    - 3: Task List
    - 4: Countdown
  - 5: Memo Pad
  - 6: World Time
  - 7: Voice Services
    - 1: Voice Services
    - 2: Voice Memo
      - 1: Record
      - 2: Review
      - 3: Delete All
  - 8: Update Phone
    - 1: Updated Firmware
  - 9: Memory Info
- 7: My Downloads**
- Games
    - Get New Games
  - Ringers

- Get New Ringers
- Wallpapers
  - Get New Wallpapers
- Applications
  - Get New Applications

## 8: Contacts

- 1: Find
- 2: Add New Entry
- 3: Speed Dial#’s
- 4: Groups
  - 1: Unassigned
  - 2: Family
  - 3: Friends
  - 4: Colleague
  - 5: VIPs
  - 6: [Empty]
- 5: My Name Card

## 9: Settings

- 1: Display
  - 1: Main Screen
    - 1: Wallpaper
      - 1: Preset Images
      - 2: My Downloads
      - 3: My Albums
    - 2: Foreground
      - 1: Clock/Calendar
      - 2: Greeting
    - 3: Incoming Calls/Outgoing Calls
      - 1: Preset Animations
      - 2: My Downloads
      - 3: My Albums
  - 2: Brightness
  - 3: Backlight
    - Slide Open
    - 30 seconds
    - 15 seconds
    - 8 seconds
  - 4: Dialing Font Size

- 1: Large
- 2: Small
- 5: PowerSave Mode
  - On
  - Off
- 6: Keypad Light
  - Slide Open
  - 30 seconds
  - 15 seconds
  - 8 seconds
  - Off
- 7: Language
  - English
  - French

## 2: Sounds

- 1: Volume
  - 1: Ringer
  - 2: Earpiece
  - 3: Headset
  - 4: Speakerphone
  - 5: Advanced
    - 1: Alarms
    - 2: Applications
      - 1: Volume
      - 2: Game Vibrate
    - 3: Text Message
    - 4: Picture Message
    - 5: Voicemail
- 2: Ringer Type
  - 1: Voice Calls
    - 1: With Caller ID
    - 2: No Caller ID
  - 2: Messages
    - 1: Voicemail
    - 2: Text Message
    - 3: Picture Message
  - 3: Schedule
  - 4: Roam Ringer
    - Normal

- Distinctive

## 3: Alerts

- 1: Minute Beep
- 2: Service
- 3: Connect
- 4: Signal Fade/Call Drop
- 5: Power On
- 6: Power Off

## 4: Keytones

- 1: Tone Type
  - Xylophone
  - DTMF
  - Voice
- 2: Tone Volume
  - Keytone Off
  - Level 1-8
- 3: Tone Length
  - Short
  - Long

## 3: Messaging

## 1: Notification

- Message & Icon
- Icon only

## 2: Message Reminder

- 1: Off
- 2: Once
- 3: Every 2 min

## 3: Call Back #

- 1: None
- 2: My Phone Number  
(xxx-xxx-xxxx)
- 3: Other

## 4: Auto-Erase

- Yes
- No

## 5: Draft Alert

- On
- Off

## 4: Text Entry

## 1: Auto-Capital

- On
- Off

## 2: Auto-Space

- On
- Off

## 3: Dual Language

- None
- French

## 4: My Words

## 5: Used Word Dictionary

- Yes
- No

## 6: Display Candidate

- Display On
- Display Off

## 7: Prediction Start

- 1: 2nd letter
- 2: 3rd letter
- 3: 4th letter
- 4: 5th letter

## 8: Auto Word Insertion

- On
- Off

## 9: Help

## 5: Phone Info

- 1: Phone Number
- 2: Icon Glossary
- 3: Version
- 4: Advanced

## 6: More...

## 1: Auto Keyboard

- 1: On
- 2: Off

## 2: Accessibility

- 1: TTY Options
  - TTY On
  - TTY Off

- 2: Voice Service
  - 1: Choice Lists
  - 2: Sound
    - 1: Prompts
    - 2: Names
  - 3: About
- 3: Airplane Mode
  - On
  - Off
- 4: Browser
  - 1: Clear Bookmarks
  - 2: Clear Cache
  - 3: Clear Cookies
- 5: Call setup
  - 1: Auto Answer
    - Yes
    - No
  - 2: Abbreviated Dialing
    - On
    - Off
  - 3: Call Answer
    - Any Key
    - Talk Key
    - Slide Up
  - 4: Call End
    - End Key
    - Slide Down
  - 5: Contacts Match
    - On
    - Off
- 6: Contact
  - 1: Speed Dial
  - 2: My Name Card
- 7: Headset Mode
  - 1: Turbo Button
    - On
    - Off
  - 2: Ringer Sound
    - Normal

- Headset Only
- 8: Location
  - On
  - Off
- 9: Restrict and Lock
  - 1: Voice
    - 1: Restrict
      - 1: Outgoing Call
        - 1: Allow all
        - 2: Contacts only
        - 3: Special# only
      - 2: Incoming Call
        - 1: Allow all
        - 2: Contacts only
        - 3: Special# only
      - 3: Lock Contact
        - 1: On
        - 2: Off
    - 2: Camera/Pictures
      - On
      - Off
    - 3: Lock my Phone
      - 1: Unlocked
      - 2: On Power-up
      - 3: Lock Now
- 0: Roaming
  - 1: Set Mode
    - 1: Automatic
    - 2: Home Only
  - 2: Update PRL
- \*: Security
  - 1: Change Lock
  - 2: Special #
  - 3: Erase/Reset
- #: Navigation Keys
  - 1: Left Key
  - 2: Right Key
  - 3: Up Key
  - 4: Down Key

## In-Call Options Menu

- 1: Save
- 2: 3-Way Call
- 3: Contacts
- 4: Voice Memo
- 5: Phone Info
- 6: Key Mute/Key Unmute
- 7: Messages
- 8: Recent History
- 9: Tools

## Camera Options Menu

When you are in Camera Preview Mode, press the **Options** soft key to access the following options:

- 1: Self Timer
  - 1: Off
  - 2: 5 Sec
  - 3: 10 Sec
- 2: Fun Tools
  - Color Tones
- 3: Controls
  - Brightness
  - White Balance
    - Auto
    - Sunny
    - Cloudy
    - Tungsten
    - Fluorescent
    - Manual
  - Night Shot
    - Off
    - On
- 4: Settings
  - Resolution
    - High:480\*640
    - Med:240\*320
    - Low:128\*160

- Quality
  - Fine
  - Normal
  - Economy
- Shutter Sound
  - Off
  - Shutter 1-4
- Status Bar
  - Off
  - On

- 5: Launch
  - Review Pictures

# Voice Service

## Activating Voice Service

Voice recognition allows you to say commands to perform common functions supported by your phone. There is no voice training required to use the voice recognition feature. You simply say the pre-designated command displayed on your screen in a normal tone of voice to perform the desired function.

### To activate voice recognition:

1. Press  for **Menu**.
2. Select **Tools**.
3. Select **Voice Services**.
4. Select **Voice Service**.

---

**Tip:** You can also activate Voice Service from standby mode by pressing and holding the  key.

---

5. Wait for the beep and then say one of the following commands:

- **Contact Name**
- **Messages**
- **Contacts**

When it recognizes one of these commands, the phone launches the associated application. If the phone does not hear a command within approximately eight seconds, it de-activates voice recognition without taking any action.

### Using Voice Dial

Voice Dial allows you to dial by pronouncing a name stored in your Contacts.

---

**Tip:** Voice Dial works best in quieter environments.

---

### To place a call using Voice Dial:

1. Activate voice recognition by pressing and holding . (The phone prompts you for a command.)
2. Say a name stored in your Contacts, **Contacts**, or **Messages** to launch the associated application.

- If you say a name stored in your Contacts, be sure to say their full name exactly as it is entered in your Contacts. (The phone plays the name through the earpiece and displays it on the screen.)
  - If you said a name listed in your Contacts that has more than one number associated with it, the phone displays the different locations (**Home, Work, Mobile, Pager, and Others**) and asks you which one to dial. Say one of the location names and the phone will dial the number for the specified location.

### To send a text or picture message using Voice Dial:

- Activate voice recognition by pressing and holding . (The phone prompts you for a command.)
- Say **Messages** to launch the Messaging menu.
- Follow the steps as you would normally to enter text (see "Text Messaging" on page 38) or attach a picture (see "Picture Messaging" on page 40).

## Voice Service Settings

### Voice Dial Confirmation

By default, your phone provides automatic voice confirmation to verify that the correct contact has been dialed. You can change these settings to **Automatic**, **Always On**, or **Always Off**.

### To change voice dial prompts:

- Press  for **Menu**.
- Select **Settings > More....**
- Select **Accessibility**.
- Select **Voice Service**.
- Select **Choice Lists**.
- Press the navigation key up or down to select **Automatic**, **Always On**, or **Always Off**, and press .

## Changing Voice Dial Prompts

By default, your phone provides audio prompts such as “Say a name or shortcut”. You can change these prompts to **Prompts** or **Names**.

### To change voice dial prompts:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Accessibility**.
4. Select **Voice Service**.
5. Select **Sound**.
6. Press the navigation key up or down to select **Prompts** or **Names**, and press .

# Web

## The Wireless Web

Your phone comes equipped with Wireless Web access. You can view specially designed versions of popular sites including sports, weather, news, stock quotes etc., as well as access downloadable ringtones, wallpapers, and games. When you launch the web, the phone will connect to the Internet and the service indicator icon will display. Any time the service indicator icon is visible on the display, you are connected to the Internet and will be invoiced accordingly.

---

**Note:** Rates and pricing vary according to your service plan. Please contact your service provider for additional information.

---

### Launching the Web

---

**Note:** The first time you use the Web, you will be prompted to go through a setup process that takes approximately three minutes.

---

#### To launch a web connection:

1. Press  for **Menu**.
2. Select **Self-serve**.
3. You are connected to the home page provided by your service provider.

---

**Note:** In standby mode, you can also press the left softkey  to access the Web.

---

When connected to the web, "Mobile Browser" is displayed.

## Web Connection Status and Indicators

Your phone's display lets you know the current status of your web connection through indicators which appear at the top of the screen. The following symbols are used:

-  When your web connection is active (data is being transferred). Incoming voice calls go directly to voicemail. Outgoing voice calls can be made but the web connection will terminate.
-  When your web connection is dormant (no data is being sent or received). Though not currently active, when dormant the phone can restart an active connection quickly and voice calls can be made and received.

## Navigating the Wireless Web

Navigating through menus and Web sites during a web session is easy once you've learned a few basics. Here are some tips for getting around:

### Softkeys

When browsing the Web, the bottom line of your phone's display contains one or more softkeys. These keys are shortcut controls for navigating around the Web, and they correspond to the softkey buttons directly below the phone's display screen. Depending on which Web sites you visit, the labels on the softkeys may change to indicate their function.

To use softkeys, simply press the desired softkey button. If an additional pop-up menu appears when you press the softkey button, select the menu items using your keypad (if they're numbered) or by highlighting the option and pressing .

### Scrolling

As with other parts of your phone's menu, you have to scroll up and down to see everything on some Web sites.

- Press the navigation key up and down to scroll line by line or press the volume buttons on the side of the phone to scroll one page at a time.

### Navigating Between Web Pages

Once you've learned how to use softkeys and scroll, you can start navigating Web sites.

- Select on-screen items by using the navigation key to highlight the desired item and pressing the desired softkey button (or pressing .

You'll find that the left softkey  is used primarily for selecting items. This softkey is often labeled **GO**.

- If the items on a page are numbered, you can use your keypad (number keys) to select an item.

Links, which appear as underlined text, allow you to jump to different Web pages, select special functions, or even place phone calls.

- Select links by highlighting the link and selecting the appropriate softkey.

---

**Tip:** The tenth item in a numbered list can be selected by pressing the  key on your phone's keypad, even though the number 0 does not appear on the screen.

---

- To go back one page, press  on your phone. (Note that  is also used like a BACKSPACE key to delete text.)

### Using the Menu to Navigate

By pressing the Menu softkey, you can navigate between web pages.

**Press the Menu softkey and select one of the following options:**

1. **Home:** To return to the Web Home Page.
2. **Forward:** One web page (if you have not returned back from a previous web page, this option is greyed out).
3. **Mark this page:** To create a Bookmark.
4. **My Bookmarks:** To see your list of Bookmarks.
5. **Search:** To type in a keyword and search for it on the web.
6. **Send Page to:** To send a web address in an SMS message.
7. **Go to Web Address:** To directly jump to a specific web page.
8. **History:** To see a list of web pages you have browsed in this session.
9. **Page Info:** To refresh the information on the current webpage.
10. **Browser Options:** To change your Wireless Web preferences.

---

**Note:** Scroll down the list to select **Browser Options**.

---

## Messaging

Now you can exchange text and multimedia messages right from your phone and stay connected without saying a word. Within the Messaging menu you can also view the number of voicemail messages you have waiting for you. For more information on using your phone's voicemail feature, see "Voicemail" on page 41.

The following folders are available in the Messaging menu:

- **(1) Send Message:** Allows you to send text and picture messages.
- **(2) Text & Picture Message:** Allows you to reply to new text messages, create and send new picture messages, as well as check your Inbox.
- **(3) Web Alert:** Allows you to automatically receive web alerts to your Inbox.
- **(4) Voicemail:** Allows you to view or listen to any voice messages saved in the phone.
- **(5) Settings:** Allows you to configure the messaging options.

### Text Messaging

With text messaging, you can use a person's wireless phone number to send instant text messages from your phone to their messaging-ready phone, and they can send messages to you. When you receive a new message, you will automatically be notified with a one-way text message.

In addition, messaging includes a variety of preset messages, such as "Where are you?" that make composing messages fast and easy.

#### To send a text message:

1. Press  for **Menu**.
2. Select **Messaging**.
3. Select **Send Message**.
4. Enter a recipient in the following ways:
  - To enter a phone number or email address, use the keypad to enter the number. When you are finished, press .
  - To send your text message to multiple numbers or addresses, enter the phone number or email address again. When you are finished, press . You can send a text message to a maximum of 10 numbers.

- To send a text message to a Contact, select **Contact List** and press . A list of your Contacts appears. Highlight the desired Contact and press  to add the entry. You can check multiple Contacts (up to a maximum of 10).
5. Enter your message using the keypad. If you wish to change your text options, press the right softkey  for **Options** and select one of the following options:
    - **Alpha:** Switches your Text entry mode to Alpha.
    - **T9(English):** Switches your Text entry mode to T9 Text Input.
    - **Symbols:** Switches your Text entry mode to Symbol.
    - **Number:** Switches your Text entry mode to Number.
    - **Preset Msg:** Allows you to add a preset message to your text message.
    - **Text Options:** Allows you to change your text message options (see "Text Entry" on page 19).
  6. Press the left softkey  to **Done** when finished typing the message.
  7. Press the left softkey  to **Send**.

### To read and reply to a text message:

When you receive a text message, you will see a message icon on your display screen.

1. While the message is open, press the left softkey  for **Reply**.
2. Compose your reply message.
3. When you are finished, press the left softkey  to **Send**.

### To erase messages:

1. Press  for **Menu**.
2. Select **Messaging**.
3. Select **Text & Picture Message**.
4. Use the navigator key to highlight the location (**Inbox**, **Outbox**, **Draft**, or **Saved**) of messages to erase and press .
5. Press the navigator key to select the message.
6. Press the right softkey  for **Options** and select **Erase**.

- To delete more than one message, navigate to the list of messages, press the right softkey  for **Options**, and select **Erase Multiple** or **Erase All**.

## Picture Messaging

Your phone gives you the ability to take pictures, view them using the phone's display, and instantly send them to your friends and family. The camera can take and store pictures and the image quality is similar to what you see on your computer screen.

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**Note:** You must request this feature from your service provider for it to work correctly.

---

### To send a picture message from your phone:

1. Press  for **Menu**.
2. Select **Messaging**.
3. Select **Send Message**.
4. Enter a recipient from your Contacts, or enter a new phone number or email address. You can send each message to up to 10 recipients.
5. Enter text on the **Subject** line.
6. Highlight **More** and press . Select **Add Picture** to retrieve pictures from your phone to attach to your message and do one of the following:
  - To retrieve a photo, select **Photo Gallery** and use the navigation key to highlight a picture and press .
  - To take a new photo, select **Take Picture** to take a new picture prior to sending your message. For more information on taking a picture, see "Taking Pictures" on page 71.
7. To select additional media to add to your message, highlight **More** and press  and do the following:
  - If you wish to add an audio message, select **Add Sound**. Select **Record** and record your message after the beep.
  - If you wish to add slides, select **Add Slide**. The slides are automatically added to the message.
8. Press the left softkey  for **Send**.

## Voicemail

### Setting Up Your Voicemail

All unanswered calls to your phone are automatically transferred to your voicemail, even if your phone is in use or turned off. Therefore, you will want to set up your Voicemail and personal greeting as soon as your phone is activated.

#### To set up your voicemail:

1. Press and hold .
2. Follow the system prompts to create your passcode, record your greeting, and record your name announcement.

---

**Note:** You must request this feature from your service provider for it to work correctly.

---

---

**Note:** The voicemail setup process may vary in certain Affiliate areas.

---

### Voicemail Notification

There are several ways your phone alerts you of a new message:

- By displaying a message on the screen.
- By sounding the assigned ringer type.
- By displaying  at the top of the screen.

### New Voicemail Message Alerts

When you receive a new voice message, your phone alerts you and prompts you to call your voicemail.

#### To call your voicemail:

- Press and hold .

---

**Important:** When you are roaming off your home network, you may not receive notification of new voicemail messages. It is recommended that you periodically check your voicemail by dialing 1 + area code + your phone number. When your voicemail answers, press  and enter your passcode. You will be charged roaming rates when accessing voicemail while roaming off your home network.

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**Note:** Your phone service accepts messages even when it is turned off. However, you are only notified of new messages when your phone is turned on and you are in a Service Area.

---

## Retrieving Your Voicemail Messages

You can review your messages directly from your phone or from any other touch-tone phone. To dial from your phone, you can either speed dial your voicemail or use the menu keys.

### To Use One-Touch Message Access:

- Press and hold . Follow the system prompts.

### To Use the Menus:

1. Press  for **Menu**.
2. Select **Messaging**.
3. Select **Voicemail**.
4. Select **Call Voicemail**.

---

**Note:** You may be charged for airtime minutes when you are accessing your voicemail from your phone.

---

## Clearing the Message Envelope

Your phone may temporarily continue to display the message envelope after you have checked your voice and text messages.

### To clear the message envelope from the display screen:

1. Press  for **Menu**.
2. Select **Messaging**.
3. Select **Voicemail**.
4. Select **Clear Envelope**.
5. Press the navigation key up to select **Yes** and press .

## Settings

There are several options associated with messaging. The Settings menu allows you to customize the options to fit your preferences. The message options are divided into the following categories:

### General

- **Notification:** Allows you to configure whether new messages will appear with a pop-up message and an icon or an icon only.
- **Preset Messages:** Allows you to edit or change the default pre-written messages.
- **Message Alert:** Allows you to configure the Volume level, Type, and Reminder settings for Message Alerts.
- **Auto-Erase:** If **Yes** is selected, old messages are automatically deleted from the mail boxes when they become full. This allows the new messages to be added to a full mail box without having to manually delete old messages to free up space first.
- **Save In Outbox:** If **Auto Save** is selected, a copy of the message is automatically saved in the Outbox after being sent.
- **Draft Alert:** Allows you to configure the draft reminder default settings for outgoing text messages and picture messages.

### Text Message

- **Priority:** Allows you to configure the default Priority level for messages.
- **Call Back #:** Allows you to configure the default Call Back number for messages.

### Picture Message

- **Priority:** Allows you to configure the default Priority level for messages.
- **Auto Download:** If **On** is selected, media attached to picture messages are automatically downloaded to your phone.

### Alert Setup

Allows you to automatically receive web alerts to your Inbox.

#### To access the Settings menu:

1. Press  for **Menu**.
2. Select **Messaging**.
3. Select **Settings**.

## Notification

The Notification option allows you to select whether a message in a popup window appears to alert you that new messages are waiting.

### To turn On the Display Popup option:

1. In the Settings menu, select **General**.
2. Select **Notification**.
3. Select **Message & Icon** or **Icon only** using the navigation key and press  to select.

## Preset Messages

Preset messages are used to enter common responses to questions often received in text messages. A preset message can be selected and automatically entered into the message. Preset messages can also be changed to whatever you want to use by editing the 20 entries already stored in your phone.

### To edit a preset message:

1. In the Settings menu, select **General**.
2. Select **Preset Messages**.
3. Press the navigation key up or down to highlight the desired message or available entry and press  to edit.
4. Press and hold the  key to erase the message. Enter your new message and press  to save. You can also edit the existing message using the keypad.

## Message Alert

The Message Alert menu allows you to configure the volume and message reminder default settings for voicemail, text messages, and picture messages.

### Volume

This option allows you to select the volume level for message alerts for voicemail, text messaging, and picture messaging. The level can be set to Ringer off, Vibrate, 1-Beep, or a volume level between 1-8.

### To set the volume:

1. In the Settings menu, select **General**.
2. Select **Message Alert**.
3. Select **Volume**.

4. Select the type of message that this alert is for: **Voicemail**, **Text Message** or **Picture Message**.
5. Press the navigation key up or down to move between ringer options. For **Separate Volume**, press the navigation key up or down to select the desired volume level and press .

---

**Note:** Press the left softkey  for **Vibrate** to turn vibration on or off.

---

## Type

This option allows you to select the ringer type for voicemail, text messaging, and picture messaging. Any ringer saved in the phone can be used as the default ringer. Ringers that are downloaded can also be assigned.

### To set the ringer type:

1. In the Settings menu, select **General**.
2. Select **Message Alert**.
3. Select **Type**.
4. Select the type of message that this alert is for: **Voicemail**, **Text Message** or **Picture Message**.
5. Press the navigation key up or down to select **Ring Tones**, **Melodies**, or **My Downloads**.
6. Press the navigation key down to preview the first ringer. Press up or down to preview the other ringers associated with the ringer group selected. When finished, press  to save the desired ringer.

## Reminder

This option allows you to configure how often the reminder for new messages is sounded or displayed on the phone.

The available options are:

- **Off:** No reminder is sounded or heard on the phone.
- **Once:** A reminder is sounded after two minutes to alert you of new messages.
- **Every 2 min:** A reminder is sounded every two minutes until the new message is read.

### To set the message reminder option:

1. In the Settings menu, select **General**.
2. Select **Message Alert**.
3. Select **Reminder**.
4. Press the navigation key up or down to select the desired duration and press  to select.

### Auto-Erase

This option allows you to automatically delete old messages when the Inbox becomes full. This prevents new messages from being rejected due to the Inbox being full.

### To turn this option on or off:

1. In the Settings menu, select **General**.
2. Select **Auto-Erase**.
3. Press the navigation key up or down to select **Yes** or **No** and press  to select.

### Save in Outbox

This option allows you to save a copy of the outgoing text message in the outbox.

### To turn this option on or off:

1. In the Settings menu, select **General**.
2. Select **Save in Outbox**.
3. Press the navigation key up or down to select **Auto Save**, **Prompt**, or **Do not Save** and press  to select.

### Draft Alert

This option allows you to configure the draft reminder default settings for text messages and picture messages.

### To turn this option on or off:

1. In the Settings menu, select **General**.
2. Select **Draft Alert**.
3. Press the navigation key up or down to select **On** or **Off** and press  to select.

## Text Message Priority

This option allows you to configure the default Priority attached to your outgoing text messages. There are two priority levels associated with text messaging. They are:

- **Normal:** This option sends the message as normal with regular delivery.
- **Urgent:** This option sends the message at the highest level and alerts the recipient that it is urgent.

### To select the priority level for text messages:

1. In the Settings menu, select **Text Message**.
2. Select **Priority**.
3. Select **Normal** or **Urgent** using the navigation key and press  to select.

## Call Back #

This option allows you to enter a call back number that is automatically attached to your outgoing text messages.

### To access the call back number option:

1. In the Settings menu, select **Text Message**.
2. Select **Call Back #**.
3. Use the navigation key to highlight either **None**, **MDN**, or **Other** for a custom # and press .
4. For the custom call back #, press and hold  to erase the existing number. Enter the number using the keypad and press  to save.

## Picture Message Priority

This option allows you to configure the default Priority attached to your outgoing picture messages. There are three priority levels associated with picture messaging. They are:

- **High:** This option sends the message at the highest level and alerts the recipient that it is high priority.
- **Normal:** This option sends the message as normal with regular delivery.
- **Low:** This option sends the message as low priority and alerts the recipient that it is low priority.

### To select the priority level for picture messages:

1. In the Settings menu, select **Picture Message**.
2. Select **Priority**.
3. Select **High**, **Normal**, or **Low** using the navigation key and press  to select.

### Auto Download

This option allows you to configure whether to automatically download media attached to picture messages.

### To configure the auto download option:

1. In the Settings menu, select **Picture Message**.
2. Select **Auto Download**.
3. Use the navigation key to highlight either **On** or **Off** and press .

## Contacts

Your phone can store up to 600 numbers. Each contact can store up to a total of seven phone numbers. For instance, you could store both the home and mobile numbers for someone. Each Contact name can contain up to 64 characters.

### Finding Contacts

There are several ways to display your Contacts entries: by name, speed dial number, and voice dial recognition.

#### To find an entry from the Contacts menu:

1. From standby mode, press the right softkey  for **Contacts**.

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**Tip:** You can also press  for **Menu** and select **Contacts**.

---

2. Enter the first few letters or name of the contact.
3. Scroll to highlight the name and press  to make the call.

### Adding a New Contact

#### To add a new contact:

1. Enter a new phone number and press the right softkey  for **Options**.
2. Select **Save**.
3. Highlight **New Contact** and press . If your Contacts list is empty, skip this step and proceed to step 4.
4. Select the number type using the navigation key and press .

- **Mobile**      • **Home**      • **Work**
- **Pager**      • **Others**

5. Enter the name using the keypad.
6. Press the left softkey  for **Done**.

After you have saved the number, the new Contacts entry is displayed.

## Editing a Contact

You can always edit a Contact to change a phone number, add an additional phone number, or provide a custom ringer or image.

### To edit a Contact:

1. From standby mode, press the right softkey  for **Contacts**.
2. Enter the first few letters or name of the contact.
3. Select the desired entry and press .
4. Press the right softkey  for **Edit**.
5. Press the navigation key down until the desired label is selected, and press . You can edit the following categories:
  - To edit a number, highlight the desired number and press . Once you have entered the number, press .
  - To add a new phone number, highlight **<Add Number>**. Once you have entered the number, press  to select a number type.
  - To edit a ringer type, highlight the current ringer (normally **Ring :Default**) and press . Using the navigation key, select a ringer category and the desired ringer. When you are finished, press .
  - You can also add an Email address, URL, Memo, or photo to this contact.
6. Press the left softkey  for **Done**.

## Speed Dial #'s

You can assign up to 98 phone numbers from the Phonebook, which you use most frequently, to the number keys (2 to 99). Then dial them easily whenever you want, simply by pressing and holding the associated number key.

### To assign a speed dial #:

1. Press  for **Menu**.
2. Select **Contacts**.
3. Select **Speed Dial #'s**.
4. Using the navigation key, highlight the number that you wish to assign and press the left softkey  for **Assign**.
5. Highlight the Contact that you wish to assign to the speed dial # and press .

To call a Contact using speed dial, see "Using One-Touch or Two-Touch Speed Dialing" on page 17.

## Groups

If you have assigned contacts into a group, you can send a message to everyone in a group easily by selecting that group. If the group is empty, you can add members to it, rename or delete the group, and set a ringer for the group.

### To send a message to a group:

1. Press  for **Menu**.
2. Select **Contacts**.
3. Select **Groups**.
4. Highlight the desired group from the list and press the left softkey  for **Send Msg**.
5. Highlight the Contact(s) that you wish to send a message and press . Press the left softkey  for **Done**.
6. A new message is started. Press the left softkey  for **Next** and compose the message.

### To assign a contact to a group:

1. Press  for **Menu**.
2. Select **Contacts**.
3. Select **Groups**.
4. Select **Family, Friends, Colleague, or VIPs**. If the group is empty, press the right softkey  for **Options** and select **Add Member**.
5. Highlight the Contact(s) that you wish to add and press .
6. Once you have finished selecting Contacts to add to the group, press the left softkey  for **Done**.
7. Press the left softkey  for **Done** again to confirm. The new members are added to the group.

### To rename, delete, or set the ringer for a group:

1. Press  for **Menu**.
2. Select **Contacts**.
3. Select **Groups**.

4. Select a group from the list. Press the right softkey  for **Options** and select the desired option:
  - **Rename group:** Select this option to rename the group. Use the  key to erase the name and type in a new name. When finished, press the left softkey  for **Done**.
  - **Delete group:** Select this option to delete the group. Select **Yes** to confirm the deletion.
  - **Set Ringer:** Select this option to set a ringer for the group. Select from the **Default Ringer**, **Ring Tones**, **Melodies**, or **My Downloads**.

## My Name Card

This function is similar to an entry in the Phonebook, except that it contains your contact information, like a business card. You can send the name card to others via Bluetooth.

### To send a name card via Bluetooth:

1. Press  for **Menu**.
2. Select **Contacts**.
3. Select **My Name Card**. Your name card is displayed onscreen. You can edit your name card the same as any other Contact. For more information, see "Editing a Contact" on page 50.

## Tools

### Alarm

Your phone comes with a built-in alarm with multiple alarm times.

#### To use the alarm:

1. Press  for **Menu**.
2. Select **Tools**.
3. Select **Alarm**.
4. Select **Alarm #1, Alarm #2, Alarm #3**.
5. Press the navigation key left or right and select **On**.
6. Press the navigation key down once and enter the alarm time. (Press the right softkey  for **AM** or **PM**.)
7. Press the navigation key down once to select the desired ringer. (Cycle through the ringers by pressing the navigation key up or down.)
8. Press the navigation key down once to select the alarm repeat. Press the navigation key left or right and select one of the following options:
  - **Daily**
  - **Mon to Fri**
  - **Once**
  - **Sat & Sun**
9. Press the navigation key down once to select the Snooze Interval. Press the navigation key left or right and select one of the following options:
  - **5 minutes**
  - **15 minutes**
  - **Off**
  - **10 minutes**
  - **20 minutes**
10. Press the left softkey  for **Done**.

### Calculator

Your phone comes with a built-in calculator.

#### To use the calculator:

1. Press  for **Menu**.
2. Select **Tools**.
3. Select **Calculator**.
4. Enter a number using the keypad. (Use  to insert a decimal point and/or  to make the number negative or positive.)

5. Use the navigation key to select a mathematical function:
  - Left to **Subtract**
  - Right to **Add**
  - Up to **Multiply**
  - Down to **Divide**
6. Enter the next number using the keypad. Repeat steps 4 and 5 as necessary.
7. Press  to view the results.

## Tip Calculator

Your phone comes with a built-in tip calculator.

### To use the tip calculator:

1. Press  for **Menu**.
2. Select **Tools**.
3. Select **Tip Calculator**.
4. Use the keypad to enter the bill amount.
5. Use the keypad to enter the tip percentage.
6. If you're splitting the check, highlight the # paying field and enter the number of people in your party. The total automatically displays in the You pay field.

## Calendar

Your Calendar helps organize your time and reminds you of important events. You can schedule events for either the current day or a specific calendar date.

### To add an event to today's calendar:

1. Press  for **Menu**.
2. Select **Tools > Calendar**.
3. Select **Today**.
  - If you have no events currently scheduled for today, you will see "No Schedule" automatically displayed.
  - If you have one or more events scheduled for today, they are displayed. Press the left softkey  for **Add New**.
4. Enter the event description using the keypad and press the left softkey  for **Next**.

5. Select the type of event to be **Appointment, Personal, Business, Birthday, or Vacation.**
6. Press the navigation key down and select one of the following:
  - **No Alarm**
  - **30min before**
  - **On Time**
  - **1Hr before**
  - **10min before**
7. Press the navigation key down and select the frequency of the event to be **Once, Daily, Weekly, Monthly, or Yearly.**
8. Press the navigation key down and select the type of alert for the event. Select from the following ringer categories: **Ring Tones, Melodies, or My Downloads.** Highlight the desired ringer and press .
9. Enter the Start Time and Date using the keypad. (Press the right softkey  for **AM** or **PM.**)
10. Enter the End Time and Date using the keypad. (Press the right softkey  for **AM** or **PM.**)
11. Enter a "go to Contacts" if needed.
12. Press the left softkey  for **Done.**

#### To add an event for a specific calendar date:

1. Press  for **Menu.**
2. Select **Tools > Calendar.**
3. Select **Scheduler.**
4. Using the navigation key scroll to the desired date.
5. Press  to view the highlighted date.
  - If you have no events currently scheduled for this date, you will see "No Schedule" automatically displayed.
  - If you have one or more events scheduled for this date, they are displayed. Press the left softkey  for **Add New.**
6. Create your event, as described in steps 4 to 11 of "To add an event to today's calendar:" on page 54.

## Event Alerts

There are several ways your phone alerts you of scheduled events:

- By playing the assigned ringer type.
- By illuminating the backlight.

### To select the ringer:

1. Press  for **Menu**.
2. Select **Settings > Sounds > Ringer Type**.
3. Select **Schedule**.
4. Press the navigation key up or down to select the desired ringer category.
5. Press the navigation key up or down to select the desired ringer or melody.
6. Press  to save.

## Viewing Events

### To view your schedules events:

1. Press  for **Menu**.
2. Select **Tools > Calendar**.
3. Select **Today** or **Scheduler**.
  - If you selected **Today**, the day's events are displayed.
  - If you selected **Scheduler**, use the navigation key to scroll to the desired date and press  to view that day's events.

## Erasing Events for a Day

### To erase events for a day:

1. View the day for which you wish to erase the event. See "Viewing Events" on page 56 for more details.
2. Press the right softkey  for **Options**.
3. Select **Delete** or **Delete All**.
4. Highlight **Yes** using the navigation key and press  to confirm.

## Erasing All Events in your Scheduler

### To delete all scheduled events:

1. Press  for **Menu**.
2. Select **Tools > Calendar**.
3. Select **Scheduler**.
4. Press the right softkey  for **Options**.
5. Select **Delete All**.
6. Highlight **Yes** using the navigation key and press  to confirm.

## Task List

You can create and view a list of tasks.

### To add a task:

1. Press  for **Menu**.
2. Select **Tools > Calendar**.
3. Select **Task List**.
  - If you have no tasks currently scheduled for today, you will see “No task entered” automatically displayed.
  - If you have one or more tasks scheduled for today, they are displayed. Press the left softkey  for **Add New**.
4. Enter the task description using the keypad and press the left softkey  for **Next**.
5. Press the navigation key left or right to select a **Low** or **High** priority.
6. Enter the Due Time and Due Date using the keypad. (Press the right softkey  for **AM** or **PM**.)
7. Press the left softkey  for **Done**.

### To view a task:

1. Press  for **Menu**.
2. Select **Tools > Calendar**.
3. Select **Task List**.
4. Use the navigation key to scroll to the desired task and press  to view the task details.

### To delete one or more tasks:

1. Press  for **Menu**.
2. Select **Tools > Calendar**.
3. Select **Task List**. If you wish to delete a specific task, highlight it using the navigation key.
4. Press the right softkey  for **Options**.
5. Select **Delete** or **Delete All**.
6. Highlight **Yes** using the navigation key and press  to confirm.

### To set the state of a task:

1. Press  for **Menu**.
2. Select **Tools > Calendar**.
3. Select **Task List**.
4. Select the task you wish to set a state for.
5. Press the right softkey  for **Options**.
6. Select **Set State**. You can set the state to **Forward**, **In Progress**, or **Completed**. An icon beside the task indicates its state.
7. Press  to confirm.

## Countdown

Countdown allows you to enter a future date and time into the phone and then see the amount of days, hours, and minutes until that time is reached.

### To set up a new countdown:

1. Press  for **Menu**.
2. Select **Tools > Calendar**.
3. Select **Countdown**.
  - If there are no existing countdowns, “No countdown entered” displays and the New Countdown screen is automatically displayed.
  - If you have one or more set countdowns, they are displayed. Press the left softkey  for **Add New**.
4. Enter a name using the keypad and press the left softkey  for **Next**.
5. Enter the Time. (Press the right softkey  for **AM** or **PM**.)
6. Enter the Date and press the left softkey  for **Done**.

**To view a countdown:**

1. Press  for **Menu**.
2. Select **Tools > Calendar**.
3. Select **Countdown**.
4. Press the navigation key up or down to highlight the desired countdown and press .

---

**Tip:** When viewing an existing countdown, press the navigation key left or right to cycle between the other countdown entries.

---

## Memo Pad

Your phone comes with a memo pad you can use to compose and store reminders and notes to help keep you organized.

**To compose a memo:**

1. Press  for **Menu**.
2. Select **Tools**.
3. Select **Memo Pad**.
  - If you have no memos composed, "(None)" is automatically displayed.
  - If you have one or more composed menus, they are displayed. Press the left softkey  for **Add New**.
4. Enter up to 512 characters in the memo using the keypad and press the left softkey  for **Done**. (See "Entering Text" on page 18.)

**To view a memo:**

1. Press  for **Menu**.
2. Select **Tools**.
3. Select **Memo Pad**.
4. Use the navigation key to scroll to the desired memo and press  to view the memo details.

**To delete saved memos:**

1. Press  for **Menu**.
2. Select **Tools**.

3. Select **Memo Pad**.
4. Highlight the memo you wish to delete using the navigation key.
5. Press the right softkey  for **Options**.
6. Select **Delete** or **Delete All**.
7. Highlight **Yes** using the navigation key and press  to confirm.

#### To send the memo as a text message:

1. Press  for **Menu**.
2. Select **Tools**.
3. Select **Memo Pad**.
4. Select the memo you wish to send.
5. Press the right softkey  for **Options**.
6. Select **Send Msg**.
7. Enter the phone number or email address of the person(s) to whom you're sending a message. (See "Text Messaging" on page 38 for more information.)

## World Time

World time displays the current time in thirty-two different time zones around the world together with one or more major cities, states, regions, or countries in a time zone.

#### To access world time:

1. Press  for **Menu**.
2. Select **Tools**.
3. Select **World Time**.
4. Press the navigation key left, right, up, or down to display the different time zones.
5. Press the left softkey  for **Set DST** to turn Daylight Savings Time (DST) **On** or **Off**.

---

**Note:** Your handset does not automatically turn DST on or off based on the calendar date.

---

## Voice Services

### Voice Service

For more information, see "Voice Service" on page 32.

### Voice Memo

You can use your phone to record brief memos to remind you of important events, phone numbers, or other items.

#### Recording Voice Memos

##### To record a voice memo:

1. Press  for **Menu**.
2. Select **Tools > Voice Services**.
3. Select **Voice Memo**.
4. Select **Record**. (The phone prompts you to start recording after the beep.)
5. Wait for the beep and then start speaking. (As it is recording, the phone displays a countdown timer that shows how many seconds are left for recording.)
  - Press the left softkey  to **Pause** the memo. (When a memo is paused, press the left softkey  again to **Resume** recording.)
6. To finish recording, press the right softkey  for **Finish**.

##### To record a conversation during a phone call:

1. During a call, press the right softkey  for **Options**.
2. Select **Voice Memo**. (As it is recording, the phone displays a countdown timer that shows how many seconds are left for recording.)
  - Press the left softkey  to **Pause** the memo. (When a memo is paused, press the left softkey  again to **Resume** recording.)
3. Press the right softkey  for **Finish** to end the recording prior to the countdown completion.

---

**Note:** A total of 10 minutes in 10 separate memos can be recorded and saved. Individual memos can record up to 60 seconds of audio.

---

## Reviewing and Erasing Memos

### To play the voice memos you have recorded:

1. Press  for **Menu**.
2. Select **Tools > Voice Services**.
3. Select **Voice Memo**.
4. Select **Review**. (The phone displays a list of saved memos, with the first one selected.)
5. Select a memo and press .  
— or —  
Press the number corresponding to the memo you want to review. (The phone replays the memo.)
  - Press the left softkey  to **Pause** the memo. (When a memo is paused, press the left softkey  again to **Resume** playing.)

### To erase an individual memo:

1. Press  for **Menu**.
2. Select **Tools > Voice Services**.
3. Select **Voice Memo**.
4. Select **Review**. (The phone displays a list of saved memos, with the first one selected.)
5. Highlight the memo to erase.
6. Press the right softkey  for **Options** and select **Delete**.
7. Press the navigation key up to select **Yes** and press .

### To erase all voice memos:

1. Press  for **Menu**.
2. Select **Tools > Voice Services**.
3. Select **Voice Memo**.
4. Select **Delete All**.
5. Press the navigation key up to select **Yes** and press .

## Updating Your Phone

You can automatically download and update the software on your phone. Only the internal software is updated and other information on the phone, such as Contacts, is not deleted.

### To update your phone:

1. Press  for **Menu**.
2. Select **Tools**.
3. Select **Update Phone**.
4. Select **Update Firmware**.
5. Follow the onscreen instructions to update the phone.

## Memory Info.

To view the amount of storage space used on your phone:

1. Press  for **Menu**.
2. Select **Tools**.
3. Select **Memory Info**. The amount of storage space used and available is displayed on-screen.
4. When you are finished, press the left softkey  for **Done**.

# Call History

## Viewing History

You will find the Call History feature very helpful. It is a list of the last 150 phone numbers (or Contacts entries) for calls you missed, made, or accepted. Call History makes redialing a number fast and easy. It is continually updated as new numbers are added to the beginning of the list and the oldest entries are removed from the bottom of the list.

Each entry contains the phone number (if it is available) and Contacts entry name (if the phone number is in your Contacts).

### To view a Call History entry:

1. Press  for **Menu**.
2. Select **Call History**.
3. Select **Recent Calls**.
4. Use the navigation key to select a Contact name to view their messages.

---

**Tip:** You can also access your list of recent calls from standby mode by pressing the  key.

---

## Call History Options

For additional information on a particular call, highlight a Call History entry and press . The time and date of the call are displayed.

---

**Tip:** You can also scroll between Call History entries by pressing the navigation key up or down.

---

Press the left softkey  for **Send Msg** to send a text or picture message. Press the right softkey  for **Options** to select one of the following options for the entry:

- **Save/Show Contacts:** To save or show the Contact in your Phonebook. If the number is already saved, **Show Contacts** will be displayed.
- **Prepend:** To add a prefix before dialing the phone number.
- **Delete:** To erase this number from your Call History.

## Making a Call From Call History

### To place a call from Call History:

1. Press  for **Menu**.
2. Select **Call History**.
3. Select **Recent Calls**.
4. Highlight the entry you want to call and press  to dial the number.

---

**Tip:** When in standby mode, you can also press the  key to show your recent calls. Highlight the entry you want to call and press  to dial the number.

---

---

**Note:** You cannot make calls from Call History to entries identified as Unknown or Restricted.

---

## Saving a Phone Number From Call History

Your phone can store up to 500 numbers. Each contact can store up to a total of seven phone numbers, and each Contact's name can contain up to 64 characters.

### To save a phone number from Call History:

1. Press  for **Menu**.
2. Select **Call History**.
3. Select **Recent Calls**.
4. Highlight the entry you want to save and press  to save.
5. Press the right softkey  for **Options** and select **Save**.  
Follow the onscreen prompts to complete the entry. (See "Saving a Phone Number" on page 15.)

After you have saved the number, the new Contacts entry is displayed.

---

**Note:** You cannot save phone numbers already in your Contacts or from calls identified as Unknown ID or Restricted.

---

## Prepending a Phone Number From Call History

If you need to make a call from Call History and you happen to be outside your local area code, you can add the appropriate prefix by prepending the number.

### To prepend a phone number from Call History:

1. Press  for **Menu**.
2. Select **Call History**.
3. Select **Recent Calls**.
4. Highlight the entry you want to prepend and press .
5. Press the right softkey  for **Options**, and select **Prepend**.
6. Use the keypad to enter the desired numbers.
7. Press  or the left softkey  to **Call**.

## Erasing Call History

To erase an individual Call History entry, see “Call History Options” on page 64.

### To erase Call History:

1. Press  for **Menu**.
2. Select **Call History**.
3. Select **Recent Calls**.
4. Press the right softkey  for **Options** and select **Delete** or **Delete All**.
5. Select **Yes** to confirm the deletion.

## Air Time

Air time allows you to check the time of the last call or the total air time since your phone was activated on the network. **These times are not meant for billing purposes.**

### To view the air time:

1. Press  for **Menu**.
2. Select **Call History**.
3. Select **Air Times**.
4. Select **Last Call** or **Total Calls**.

## My Downloads

With your new web-enabled phone, you have access to a variety of services such as downloadable Games, Ringers, Wallpapers, and Applications. While each type of download involves a different file type, the basic method for accessing and downloading files is the same.

### Games

You can play a variety of entertaining and graphically-rich games on your phone. New games are easy to download and play.

#### Downloading Games

##### To download a game to your phone:

1. Press  for **Menu**.
2. Select **My Downloads**.
3. Select **Games**.
4. Select **Get New Games**. The web will launch and take you to the Games download menu.
5. Use the navigation key to highlight and select a game you wish to download. (For more information on navigating the Web, see "Navigating the Wireless Web" on page 36.)
6. Follow the web page instructions to complete your purchase.

---

**Note:** You can store a limited number of downloaded games on your phone, depending on the file sizes.

---

#### Playing Games

##### To play a downloaded game on your phone:

1. Press  for **Menu**.
2. Select **My Downloads**.
3. Select **Games**.
4. Select the game you wish to play.
5. Follow the on-screen instructions to play the game. When you are finished, select **Exit** (or **Quit**) or press .

## Ringers

### Downloading Ringers

**To download an available ringer to your phone:**

1. Press  for **Menu**.
2. Select **My Downloads**.
3. Select **Ringers**.
4. Select **Get New Ringers**. The web will launch and take you to the Ringers download menu.
5. Use your navigation key to highlight and select a ringer you wish to download. (For more information on navigating the Web, see "Navigating the Wireless Web" on page 36.)
6. Follow the web page instructions to complete your purchase.

---

**Note:** You can store a limited number of downloaded ringers on your phone, depending on the file sizes.

---

### Assigning Downloaded Ringers

Downloaded ringers can be assigned directly from the My Downloads menu and are also available through the Settings menu. To assign a downloaded ringer through the Settings menu, see "Selecting Ringer Types" on page 84.

**To assign a downloaded ringer through the Downloads menu:**

1. Press  for **Menu**.
2. Select **My Downloads**.
3. Select **Ringers**.
4. Highlight the desired ringer and press  to play it. When you are finished, press  to return to the **Ringers** menu.
5. Press the right softkey  and select **Set as**.
6. Select **Voice Calls**.
7. Select **With Caller ID** or **No Caller ID**.
8. Press  to exit.

---

**Note:** You can assign a ringer to more than one type of call.

---

## Wallpapers

### Downloading Wallpapers

**To download an available wallpaper to your phone:**

1. Press  for **Menu**.
2. Select **My Downloads**.
3. Select **Wallpapers**.
4. Select **Get New Wallpapers**. The web will launch and take you to the Wallpapers download menu.
5. Use the navigation key to highlight and select a wallpaper you wish to download. (For more information on navigating the Web, see "Navigating the Wireless Web" on page 36.)
6. Follow the web page instructions to complete your purchase.

---

**Note:** You can store a limited number of downloaded wallpapers on your phone, depending on the file sizes.

---

### Assigning Downloaded Wallpapers

Downloaded wallpapers may be assigned directly from the My Downloads menu and are also available through the Settings menu.

To assign a downloaded wallpaper through the Settings menu, see "Changing the Main Screen" on page 80.

**To assign a downloaded wallpaper from the Downloads menu:**

1. Press  for **Menu**.
2. Select **My Downloads**.
3. Select **Wallpapers**.
  - If you wish to see the wallpaper, highlight the desired wallpaper and press  to view. When you are finished, press the  key to return to the **Wallpapers** menu.
4. Press the right softkey  and select **Set as**.
5. Select **Wallpaper**.
6. Press  to exit.

## Applications

### Downloading Applications

#### To download an application to your phone:

1. Press  for **Menu**.
2. Select **My Downloads**.
3. Select **Applications**.
4. Select **Get New Applications**. The web will launch and take you to the Applications download menu.
  - If you have an Intellisync account, you can select **Intellisync** and enter your login and password to access new applications. Contact your service provider for more details.
5. Use your navigation key to highlight and select an application you wish to download. (For more information on navigating the Web, see “Navigating the Wireless Web” on page 36.)
6. Follow the web page instructions to complete your purchase.

---

**Note:** You can store a limited number of downloaded applications on your phone, depending on the file sizes.

---

# Camera

## Taking Pictures

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

### To take a picture:

1. Press  for **Menu**.
2. Select **Camera > Camera**.

**Shortcut:** To activate camera mode, you can also press and hold the the side camera button (see illustration on page 2).

3. Using the phone's LCD screen as a viewfinder, aim the camera lens at your subject.
4. Press either the left softkey  for **Capture**,  or the side camera button until the shutter sounds. (Make sure the camera is steady.)
5. After the picture is taken, it is saved in your My Albums folder. Press the right softkey  for **Options** and choose one of the following options:
  - **(1) Send Msg:** To send your picture to someone using picture messaging. For more information, see "Picture Messaging" on page 40.
  - **(2) Camera Mode:** To take another picture.
  - **(3) Assign:** To assign the picture to **Picture ID**, **Wallpaper**, or **Incoming/Outgoing Calls**, see "Display" on page 80.
  - **(4) Erase:** To erase this picture.
  - **(5) Review Pictures:** To review the images stored in your camera.
6. To exit camera mode, press .

## Camera Options

There are several settings associated with the full-color digital camera. These settings allow you to customize how the camera operates when taking pictures.

### To set a camera option:

1. Start the camera. For more information, see "Taking Pictures" on page 71.
2. Press the right softkey  for **Options**.

3. Select from the following options:

- **(1) Self Timer:** Allows you to configure a timer for **Off**, **5 sec**, or **10 sec**.
- **(2) Fun Tools:** Allows you to select:
  - Color Tones:** Allows you to select between several different color tones including **None**, **Monochrome** (black & white), **Negative**, **Sepia**, **Green**, and **Aqua** by pressing the navigation key left or right. When you find the desired tone, press .
- **(3) Controls:** Allows you to set the **Brightness**, **White Balance**, and **Night Shot** for your pictures.
  - Brightness:** Allows you to set the brightness level. Press the navigation key up or down to increase or decrease the desired brightness.
  - White Balance:** Allows you to set up the white balance of the camera automatically or manually using the different preset modes. The modes available are:
    - **Auto:** Automatically adjusts the lighting.
    - **Sunny:** Decreases the light sensitivity for taking pictures in full or mostly sunny conditions.
    - **Cloudy:** Increases light sensitivity for taking pictures under cloudy conditions.
    - **Tungsten:** Adjusts the white balance to match the inside lighting conditions displayed using common household light bulbs.
    - **Fluorescent:** Adjusts the white balance to match the inside lighting conditions displayed using common fluorescent lighting.
    - **Manual:** Allows you to manually adjust the lighting.
  - Night Shot:** Adjusts the camera to take images in dark lighting conditions.
- **(4) Settings:** Allows you to change the following camera settings:
  - Resolution:** Your full-color digital camera can take pictures in three modes. Each mode allows you to increase the zoom multiple levels, depending on the resolution setting. This allows you to get a closer view of the subject or scenery being photographed. The available sizes are:

- **High (480\*640):** The high setting allows a high level of image detail. Images taken at the high setting require more memory to save than the other modes.
- **Med (240\*320):** The medium setting allows you to take good quality images without using too much memory.
- **Low (128\*160):** The low setting allows you to take average quality images. You can save the most images in memory using this setting.

---

**Tip:** While in Camera mode, the zoom feature is available using the navigation key.

---

**Quality:** The quality allows you to select between **Fine**, **Normal**, and **Economy**. These settings reflect the image quality settings for the pictures.

**Shutter Sound:** The shutter sound allows you to select between four shutter sounds. The shutter sound is heard when you take a picture.

**Status Bar:** The Status Bar can be turned **On** or **Off**.

- **(5) Launch:** Allows you to review pictures currently stored in your camera.

### Setting the Self Timer

#### To activate the Self Timer and get yourself in on the picture:

1. With the phone in camera mode, press the right softkey  for **Options**.
2. Select **Self Timer**.
3. Using the navigation key, highlight the length of delay you want the timer to use (**5 sec** or **10 sec**) and press .
4. Press the left softkey  to start the timer. (A timer is displayed in the right portion of the LCD screen during the Self Timer countdown and the phone starts beeping.)
5. Get ready for the picture. When the timer is down to 5 seconds, beep sounds are made.

#### To cancel the Self Timer after it has started:

- Press  to cancel.

---

**Note:** While the Self timer is active, all keys are disabled except .

---

## Picture Messaging

Once you've taken a picture, it is automatically saved in the camera. You can share the picture instantly with family and friends. With Picture Messaging, a picture can be sent to up to ten people at a time using their email addresses or phone numbers (if their phones are equipped to receive picture messages). For more details, see "Picture Messaging" on page 40.

## Storing Pictures

### To view stored pictures:

1. Press  for **Menu**.
2. Select **Camera > My Albums**.
3. Select **Gallery**.

Images can be assigned to address book entries, sent to other users, or printed from your phone.

---

**Note:** When pictures are assigned as your wallpaper, they are modified to fit the screen.

---

The following options are available when you press the right softkey :

- **Send..:** Allows you to send the image as a picture message.
- **Print..:** Allows you to print the selected image via a USB cable connected to your printer.
- **Assign:** Allows you to assign an image to an address book entry, a wallpaper, or an incoming/outgoing call.
- **Erase:** Allows you to erase a single or all of the stored images.
- **Details/Edit:** Allows you to edit the **Text Caption** or view **Media Info** on the picture.
- **Camera Mode:** Allows you take a picture.

Press the left softkey  for **Expand** to change the aspect of the image between full screen and thumbnail size.

## PictBridge

PictBridge is an industry standard established by the Camera & Imaging Products Association (CIPA) that enables a range of digital photo solutions, including direct photo printing from a digital camera to a printer without the need for a PC.

---

**Note:** There are many PictBridge devices in the market whose compatibility with the SPH-m330 cannot be guaranteed.

---

### Printing From Your Phone

The SPH-m330 comes equipped with a built-in camera that allows you to print images directly to a printer using the PictBridge technology. A USB data cable must be connected between the two devices before any printing can occur.

#### To use PictBridge to print pictures from your phone:

1. Insert one end of the data cable into the USB slot on the printer. (Printer must support PictBridge technology.)
2. Press  for **Menu**.
3. Select **Camera > PictBridge**.
4. Insert the data cable into your phone.
5. Read the onscreen “Connect Printer” message and press the left softkey  for **Next**.
6. Highlight the desired image and press the left softkey  for **Next**. (To select multiple images, press  to place a check mark next to each image selected.)
7. Highlight **Copies** and press the navigation key left or right to select the desired number of copies to print.

---

**Note:** These sizes may vary and are dependent on the printer's capabilities.

---

8. Press the navigation key up to select **Type**. Press the navigation key left or right to select one of the following:
  - **Standard:** Prints the standard image.
  - **Index:** Prints the index information.

---

**Note:** These options may vary and are dependent on the printer's capabilities.

---

9. Press the navigation key down to select **Border**. Press the navigation key left or right to select **on** or **off**.
10. Press the right softkey  to **Preview** the image or press the left softkey  to **Print** the image.
11. Select **Yes** to confirm printing and press .

## Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets, hands-free car kits, Bluetooth-enabled handhelds, PCs, and wireless phones. The Bluetooth communication range is usually up to approximately 10 meters (30 feet).

---

**Note:** There are many Bluetooth devices in the market whose compatibility with the SPH-m330 cannot be guaranteed.

---

## Trusted Devices

### Trusted Devices

The Bluetooth pairing process allows you to establish trusted connections between your phone and another Bluetooth device. When devices are paired, a passkey is shared between devices, allowing for fast, secure connections while bypassing the discovery and authentication process.

### To pair your phone with another Bluetooth device:

1. Press  for **Menu**.
2. Select **Bluetooth**.
3. Select **Trusted Devices**.
4. If no devices are currently listed, press the left softkey  for **Add New**.
5. Select **Search** and press . Your phone displays a list of discovered in-range Bluetooth devices.
6. Select the device you wish to pair with and press the left softkey  for **Refresh**.
7. Enter the passkey and press . The default passkey is 0000.
8. The name of the Bluetooth device is displayed. Press the left softkey  for **Done**.
9. Highlight the device and press the left softkey  for **Connect**. **Connecting Successful** will display if the device is connected properly.

## Enable

By default, your device's Bluetooth functionality is turned off. Turning Bluetooth on makes your device "discoverable" by other in-range Bluetooth devices.

### To turn Bluetooth on or off:

1. Press  for **Menu**.
2. Select **Bluetooth**.
3. Select **On** or **Off** and press .

### Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

-  Bluetooth is active and enabled.
-  Bluetooth is connected.
-  Bluetooth is headset is connected and visible.
-  Bluetooth is hidden.

## Visibility

The Visibility setting allows you to manage your availability to other Bluetooth devices.

### To configure your phone's visibility (discoverability) to other Bluetooth devices:

1. Press  for **Menu**.
2. Select **Bluetooth**.
3. Select **Visibility**.
4. Select your desired Visibility setting and press :
  - **Always visible:** To always allow other devices to detect your phone.
  - **Visible for 3min:** To allow other devices three minutes to detect your phone before changing your status to hidden.
  - **Hidden:** To prevent other Bluetooth devices from detecting and identifying your phone.

## My Bluetooth Info

Your phone's Bluetooth name will appear to other in-range Bluetooth devices, depending on your Visibility settings.

### To set a Bluetooth name for your phone:

1. Press  for **Menu**.
2. Select **Bluetooth**.
3. Select **My Bluetooth Info**.
4. Press the left softkey  for **Edit**.
5. Use your keypad to enter a new name and press the left softkey  for **Done**.

---

**Tip:** Give your handset an easily recognized name so other people can select your handset quickly in environments where multiple Bluetooth devices are visible.

---

### To view your Bluetooth information:

1. Press  for **Menu**.
2. Select **Bluetooth**.
3. Select **My Bluetooth Info**.
4. When you are finished, press the right softkey  for **Close**.

# Settings

## Display

### Changing the Main Screen

Your new phone offers options for what you see on the display screen when in standby mode.

#### To change the wallpaper:

1. Press  for **Menu**.
2. Select **Settings > Display > Main Screen**.
3. Select **Wallpaper**.
4. Press the navigation key and select **Preset Images, My Downloads, or My Albums**. Press the navigation key left, right, up, or down until the desired image is displayed.
5. Press the left softkey  for **Assign**.

### Changing the Incoming/Outgoing Calls display

Your phone allows you to change the image shown on your display screen when receiving a call.

#### To select the Incoming/Outgoing Calls style:

1. Press  for **Menu**.
2. Select **Settings > Display > Main Screen**.
3. Select **Incoming Calls/Outgoing Calls**.
4. Press the navigation key and select **Preset Animation, My Downloads, or My Albums**.
  - If you selected **My Downloads**, use the navigation key to select the desired image and press the left softkey  for **Assign**.
  - If you selected **My Albums**, use the navigation key to select the desired image and press the left softkey  for **Assign**.
5. Press the left softkey  for **Done**.

## Changing the Greeting

Your phone allows you to change the greeting shown on your display screen when it is idle.

### To change the greeting on your phone:

1. Press  for **Menu**.
2. Select **Settings > Display > Main Screen**.
3. Select **Foregrounds**.
4. Select **Greeting**.
5. Select **Custom**.
6. Enter your greeting using the keypad.
7. Press the left softkey  for **Done**.

## Changing the LCD Brightness and Contrast

You can change the brightness and contrast of the main LCDs, making the screen brighter or dimmer.

### To change the LCD Brightness:

1. Press  for **Menu**.
2. Select **Settings > Display**.
3. Select **Brightness**.
4. Press the navigation key right or up to increase, and left or down to decrease the contrast level setting. Press the left softkey  for **Done**.

## Changing the Backlight Time Length

The backlight setting lets you select how long the display screen and keypad are backlit after any key press is made.

### To change the backlight setting:

1. Press  for **Menu**.
2. Select **Settings > Display**.
3. Select **Backlight**.
4. Use the navigation key to select **Slide Open, 30 seconds, 15 seconds, or 8 seconds**.
5. Press  to save and exit.

---

**Note:** Long backlight settings reduce the battery's talk and standby times.

---

## Changing the Size of your Dialing Font

You can adjust the size of the digits that appear on screen when dialing a phone number.

### To change the dialing font size:

1. Press  for **Menu**.
2. Select **Settings > Display**.
3. Select **Dialing Font Size**.
4. Press the navigation key up or down to select **Large** or **Small** and press  to save your changes.

## Power Save Mode

You can control how your phone searches for a signal. When Power Save Mode is on and the signal is lost, the phone periodically searches for a signal, rather than continuously. This conserves power in areas without a signal.

### To change the Power Save mode:

1. Press  for **Menu**.
2. Select **Settings > Display**.
3. Select **PowerSave Mode**.
4. Press the navigation key up or down to select **On** or **Off** and press  to save your changes.

## Keypad Light

You can control how long the keypad is illuminated after a key is pressed.

### To change the keypad illumination timing:

1. Press  for **Menu**.
2. Select **Settings > Display**.
3. Select **Keypad Light**.
4. Press the navigation key up or down to select **Slide Open, 30 seconds, 15 seconds, 8 seconds, or Off** and press  to save your changes.

## Language

Your phone can display text in English or French. Language selection changes all menu settings.

### To change the language on your phone:

1. Press  for **Menu**.
2. Select **Settings > Display**.
3. Select **Language**.
4. Press the navigation key up or down to select **English** or **French**.
5. Press  to save and exit.

## Sounds

### Volume

You can set different volumes for the ringer, speakerphone, text messages, picture messages, voicemail, alarms, and applications.

### To adjust the ringer or key tone volume:

1. Press  for **Menu**.
2. Select **Settings > Sounds**.
3. Select **Volume**.
4. Select **Ringer, Earpiece, Headset, Speakerphone, or Advanced**.
  - **Ringer:** Press the navigation key up or down until the desired volume level is selected. Press the left softkey  to **Always Vibrate** or turn **Vibrate Off**. Press  to save and exit.
  - For the other options, press the navigation key up or down until the desired volume level is selected. Press  to save and exit.
  - Select **Advanced** to set the volume for **Alarms, Applications, Text Message, Picture Message, or Voicemail**. For these options, select **Use Ringer Volume** to use the settings assigned to the ringer. Select **Separate Volume** to use a custom volume setting. Press the left softkey  to **Always Vibrate** or turn **Vibrate Off**. Press  to save and exit.

---

**Tip:** You can adjust the ringer volume in standby mode (or the earpiece volume during a call) using the volume keys on the side of your phone.

---

## Ringer Type

Ringer types help you identify incoming calls and messages. You can assign ringer types to individual Contacts entries, types of calls, Scheduler entries, and types of messages.

- **Ring Tones:** Include a variety of standard ringer types.
- **Melodies:** Include a variety of standard musical melodies.
- **My Downloads:** Ringers include all of the ringtones you have previously downloaded. See "Downloading Ringers" on page 68.

## Selecting Ringer Types

Your phone provides a variety of ringer options that allow you to customize your ring and volume settings. These options allow you to identify incoming calls by the ring.

### To select a ringer type:

1. Press  for **Menu**.
2. Select **Settings > Sounds**.
3. Select **Ringer Type**.
4. Select **Voice Calls, Messages, Scheduler** or **Roam Ringer**.
  - For **Voice Calls**, select **With Caller ID** or **No Caller ID**.
  - For **Messages**, select **Voicemail, Text Message, or Picture Message**.
  - For **Schedule**, select **Ring Tones, Melodies, or My Downloads**. Press the navigation key up or down to select the desired ringer.
  - For **Roam Ringer**, select **Normal** or **Distinctive**.
5. Press  to save and exit.

## Alerts

Your phone can alert you with an audible tone when you change service areas, once a minute during a voice call, or when a call has been connected.

The different actions available are:

- **Minute Beep:** An alert tone is sounded every minute that you are connected.
- **Service:** An alert tone is sounded when you come in or out of your coverage area.
- **Connect:** An alert tone is sounded when you are initially connected.

- **Signal Fade/Call Drop:** An alert tone is sounded when the signal fades and the connection is lost. An alert tone is also sounded when your phone partially loses signal due to network conditions.
- **Power On/Power Off:** An alert tone is sounded when your phone is powered **On** or **Off**.

#### To enable or disable alert sounds:

1. Press  for **Menu**.
2. Select **Settings > Sounds**.
3. Select **Alerts**.
4. Select **Minute Beep, Service, Connect, Signal Fade/Call Drop, Power On, or Power Off**.
5. Select **On** or **Off** using the navigation key and press  to save and exit.

### Keytones

#### Key Tone Type

Your phone offers a number of options for selecting the audible tones accompanying a key press.

There are three different tones available:

- **Xylophone:** Musical polyphonic tones are heard when a key is pressed.
- **DTMF:** Dual tone, multi-frequency beeps are heard when a key is pressed.
- **Voice:** Polyphonic beep tones are heard when you press a key.

#### To select a key tone:

1. Press  for **Menu**.
2. Select **Settings > Sounds**.
3. Select **Keytones**.
4. Select **Tone Type**.
5. Press the navigation key up or down to select the desired tone type.
6. Press  to save and exit.

#### Key Tone Volume

#### To adjust the key tone volume:

1. Press  for **Menu**.
2. Select **Settings > Sounds**.

3. Select **Keytones**.
4. Select **Tone Volume**.
5. Press the navigation key right or up to increase, and left or down to decrease the volume.
6. Press  to save and exit.

## Tone Length

Your phone offers a number of options for changing the tone duration of a key press. Voicemail or other automated systems may require long or short time lengths to activate different features.

### To select a tone length:

1. Press  for **Menu**.
2. Select **Settings > Sounds**.
3. Select **Keytones**.
4. Select **Tone Length**.
5. Select **Short** or **Long** and press  to save and exit.

## Messaging

See "Messaging" on page 38.

## Text Entry

See "Text Entry" on page 19.

## Phone Info

### Phone Info

The Phone Info screen displays information about your phone's current hardware and software. The Icon Glossary option can help you identify a display icon whose function you have forgotten. See "Viewing the Display Screen" on page 4 for definitions of the icons in the Icon Glossary.

### To display information about your phone:

1. Press  for **Menu**.
2. Select **Settings**.
3. Select **Phone Info**.
4. Select **Phone Number**, **Icon Glossary**, **Version**, or **Advanced**.
5. When you are finished, press the left softkey  for **Done**.

## More

### Auto Keyguard

The Auto Keyguard feature helps to prevent accidental key presses when the handset is in your pocket or purse. When the Auto Keyguard is on, the buttons are disabled until you unlock the phone. There are two settings available:

- **On:** Activates Auto Keyguard feature.
- **Off:** Deactivates the Auto Keyguard feature.

#### To change the Auto Keyguard setting:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Auto Keyguard**.
4. Select **On** or **Off**.

### Accessibility

#### TTY Options

See "To turn TTY Mode on or off:" on page 22.

#### Voice Service

See "Activating Voice Service" on page 32.

### Airplane Mode

Airplane Mode allows you to use many of your phone's features, such as Games, Notepad, Voice Memos, etc., when you are in an airplane or 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. All incoming calls will be sent directly to your voicemail box.

#### To set your phone to Airplane Mode:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Airplane Mode**. (A brief explanation of Airplane Mode will display.)
4. Press  or the left softkey  for **OK** to continue.
5. Press the navigation key up or down to select **On** or **Off** and press  to save and exit.

While in Airplane Mode, your phone's standby screen will display "Phone Off."

---

**Note:** 911 and emergency calls cannot be made when the Airplane Mode is on.

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## Browser

Browser options allow you to clear the memory of web sites you visited using your phone's Browser. Clearing these items will free up space on your phone. You can set the following options:

- **Clear Bookmarks:** Allows you to remove bookmarked pages from your Browser.
- **Clear Cache:** Allows you to clear the cache from your Browser.
- **Clear Cookies:** Allows you to clear the cookies from your Browser.

### To clear the memory from your Browser:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Browser**.
4. Select an option to empty the Browser memory of that item.
5. Using the navigation key, select **Yes** and press .

## Call setup

Call setup options allow you to set up the following options:

- **Auto Answer:** Allows you to answer incoming calls automatically with the optional hands-free car kit.
- **Abbreviated Dialing:** Allows you to program a five- or six-digit prefix for commonly used phone numbers. Once enabled, the phone will prepend the prefix to the five- or six-digit number that you have dialed.
- **Call Answer:** Allows you to set up how you answer incoming calls (**Any Key**, **Talk Key**, or **Slide Up**).
- **Call End:** Allows you to set up how you end calls (**End Key** or **Slide Down**).
- **Contacts Match:** Allows you to turn **On** or **Off** the contact matching feature. When **On**, you can dial the last few digits and press . A list of Contacts entries appears whose last few digits match the sequence you dialed.

## Auto Answer

**To answer calls when your phone is connected to an optional hands-free car kit or headset:**

1. Press  for **Menu**.

2. Select **Settings > More....**
3. Select **Call setup.**
4. Select **Auto Answer.**
5. Press the navigation key up or down to select **Yes** or **No.**
6. Press  to save and exit.

### Abbreviated Dialing

Abbreviated dialing allows you to program a five- or six-digit prefix for commonly used phone numbers. When abbreviated dialing is on, you can enter the last four or five digits and the handset will prepend the five- or six-digit prefix to the sequence you have entered to complete the dialing number.

#### To set up abbreviated dialing:

1. Press  for **Menu.**
2. Select **Settings > More....**
3. Select **Call setup.**
4. Select **Abbreviated Dialing.**
5. Select **On** or **Off** and press .
6. If you select **On**, input the five or six digit prefix (for example, area code and prefix) and press .

#### Making an Abbreviated Dial Call

1. Enter the last four or five digits of the prefix phone number. Abbreviated Dialing is displayed in the lower left corner with the prefix digits displayed.
2. Press  to make the call.

### Call Answer

#### To set the actions required to answer an incoming call:

1. Press  for **Menu.**
2. Select **Settings > More....**
3. Select **Call setup.**
4. Select **Call Answer** and select one of the following:
  - **Any Key**
  - **Talk Key**
  - **Slide Up**

5. Press  to save and exit.

## Call End

### To set the actions required to end a call:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Call setup**.
4. Select **Call End** and select one of the following:

- **End Key**
- **Slide Down**

5. Press  to save and exit.

## Contacts Match

With the Contacts Match feature, your phone displays the Contact's name and phone number if the incoming call or outgoing call is in your Contacts list.

### To set up Contacts Match:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Call setup**.
4. Select **Contacts Match**.
5. Select **On** or **Off** and press .

### Making a call using Contacts Match:

1. Dial the last few digits of the desired number and press . A list of Contact entries appear whose last few digits match the sequence you dialed.
2. Use the up or down navigation key to select the Contact you want to call and press .

---

**Note:** If there is more than one Contact entry that matches the last four or five digits, a list is displayed that allows you to select the desired number to call.

---

## Contact

See "Speed Dial #'s" on page 50 and "My Name Card" on page 52.

## Headset Mode

Headset Mode directs audio to either the headset exclusively or to both the headset and the phone's speaker. There are two options:

- **Turbo Button:** The ringer is routed through both the headset and the phone's speaker. The turbo button can be turned **On** or **Off**.
- **Ringer Sound:** All audio is routed through the **Normal** (Handset Only) or **Headset Only**. The phone's ringer will not ring.

---

**Note:** This feature works with the wire headset and does not work with the Bluetooth headset.

---

### To change the Headset Mode:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Headset Mode**.
4. Select **Ringer Sound**.
5. Select either **Normal** or **Headset Only** and press .

## Location

Your phone is equipped with a Location feature for use with location-based services that may be available in the future.

The Location feature allows the network to detect your position. Turning Location off will hide your location from everyone except 911.

---

**Note:** Even if the Location feature is enabled, no service may use your location information without your express permission.

---

### To enable your phone's Location feature:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Location**. (A brief explanation will display. Use the navigation key to scroll through to read the entire text.)
4. Press the navigation key up or down to select **On** or **Off**.
5. Press  to save and exit.

When the Location feature is on, your phone's standby screen will display the  icon. When Location is turned off, the  icon will display.

### Restrict and Lock

For more information, see "Phone Security" on page 93.

### Roaming

For more information, see "Roaming" on page 23.

### Security

For more information, see "Phone Security" on page 93.

### Navigation Keys

You have the option of assigning the navigation key to an often-used function. The center of the navigation key cannot be changed. Pressing the navigation key in standby mode will launch the assigned feature.

#### To modify the function launched by the navigation key:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Navigation Keys**.
4. Select **Up Key, Down Key, Left Key, or Right Key**.
5. Press the navigation key up or down to select one of the following functions:
  - Text Message
  - Missed Alerts
  - Scheduler
  - Messaging
  - Voice Service
  - Ringer Type
  - My Downloads
  - Display
  - Alarms
  - Calculator
  - Self-serve
  - Send Quick Text
6. Press  to save and exit.

# Phone Security

## Accessing the Security Menu

All of your phone's security settings are available through the Security menu. You must enter your lock code to view the Security menu.

### To access the Security menu:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Security**.
4. Enter your lock code. (The security menu is displayed.)

---

**Tip:** If you cannot remember your lock code, try using the last four digits of either your Social Insurance Number or Phone Number or try 0000. If none of these work, call Customer Service at 1-800-SAMSUNG.

---

## Using Your Phone's Lock Feature

### Locking Your Phone

When your phone is locked, you can only receive incoming calls or make calls to 911, Customer Service, or special numbers.

### To lock your phone:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Restrict and Lock**.
4. Select **Lock my Phone**.
5. Enter your lock code.
6. Using the navigation key, select **Unlocked, On Power-up** or **Lock Now**, and press .

### Unlocking Your Phone

### To unlock your phone:

1. Press  for **Menu**.
2. Enter your lock code.

## Changing the Lock Code

### To change your lock code:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Security**.
4. Enter your lock code.
5. Select **Change Lock**.
6. Enter your new lock code and press the left softkey  for **Next**. Your new lock code must have 4 digits.
7. Re-enter your new lock code and press the left softkey  for **Done**.

### Calling in Lock Mode

You can place calls to 911 and to your special numbers when in lock mode.

### To place an outgoing call in lock mode:

- To call an emergency number or special number, enter the phone number and press .
- To place normal outgoing calls, press  to display the lock code screen. Enter your lock code. Enter the desired phone number and press .

### Locking/Unlocking Your Camera

When your camera is locked, you must enter your lock code before taking any pictures or viewing stored pictures.

### To lock/unlock your phone:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Restrict and Lock**.
4. Select **Camera/Pictures**.
5. Enter your lock code.
6. Using the navigation key, select **On** or **Off**, and press .

## Restricting Voice Calls

You can restrict your incoming and outgoing calls to **Allow all, Contacts only**, or **Special# only**.

### To restrict voice calls:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Restrict and Lock**.
4. Select **Voice**.
5. Enter your lock code.
6. Select **Restrict**.
7. Select **Outgoing Call** or **Incoming Call**.
8. Using the navigation key, **Allow all, Contacts only**, or **Special# only**, and press .

## Locking/Unlocking Your Contacts

You can lock your phonebook so that contacts cannot be added, edited, or deleted.

### To lock/unlock contacts:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Restrict and Lock**.
4. Select **Voice**.
5. Enter your lock code.
6. Select **Restrict**.
7. Select **Lock Contact**.
8. Using the navigation key, select **On** or **Off**, and press .

## Using Special Numbers

You can save up to three special numbers in addition to your Contacts entries (the same number may be in both directories). You can make and receive calls from special numbers even when your phone is locked.

### To add or replace a special number:

1. Press  for **Menu**.
2. Select **Settings > More....**

3. Select **Security**.
4. Enter your lock code.
5. Select **Special #**.
6. Select entry one, two, or three and press .
7. Press and hold  to clear the existing number.
8. Enter the number using the keypad.
9. Press  to save and exit.

---

**Note:** There are no Speed Dial options associated with special numbers.

---

## Erasing Phone Data

You can erase different categories of saved data from your phone. Once deleted, they cannot be recovered.

### To erase saved data from your phone:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Security**.
4. Enter your lock code.
5. Select **Erase/Reset**.
6. Select from the following options:
  - **Erase Web Cookies.** This erases all the cookies from your Browser's memory.
  - **Erase Web History.** This erases the history of web sites you visited from your Browser's memory.
  - **Erase Web Cache.** This erases the cache from your Browser's memory.
  - **Erase Contacts.** This erases all the names and phone numbers in your Contacts list.
  - **Erase My Downloads.** This option deletes all saved downloaded content from the phone, including games, ringers, wallpapers, and applications.
  - **Erase Picture.** This option clears all the photos you have taken.

- **Erase Messages.** This option clears all your text messages, picture messages, and voicemail.
7. Using the navigation key, select **Yes** to confirm and press  to permanently delete.

## Default Settings

Resetting the phone restores all the factory defaults, including the ringer types and display settings. The Contacts, Call History, Schedule, and Messaging are not affected.

### To restore the default settings on your phone:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Security**.
4. Enter your lock code.
5. Select **Erase/Reset**.
6. Select **Default Settings**.
7. Using the navigation key, select **Yes** and press .
8. Using the navigation key, select **Yes** again to confirm and press . Your phone will reset.

## Resetting Your Phone

Resetting the phone restores all the factory defaults, including the ringer types and display settings.

### To reset your phone:

1. Press  for **Menu**.
2. Select **Settings > More....**
3. Select **Security**.
4. Enter your lock code.
5. Select **Erase/Reset**.
6. Select **Reset Phone**.
7. Using the navigation key, select **Yes** and press .
8. Using the navigation key, select **Yes** again to confirm and press . Your phone will reset.

# Safety

## Getting the Most Out of Your Reception

### **Keeping Tabs on Signal Strength**

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. If you're inside a building, being near a window may give you better reception.

### **Understanding the Power Save Feature**

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key. Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

### **Understanding How Your Phone Operates**

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

### **Knowing Radio Frequency Safety**

The design of your phone complies with updated NCRP standards described below. In 1991-92, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies, and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted a hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

## Maintaining Your Phone's Peak Performance

There are several simple guidelines for operating your phone properly and maintaining safe, satisfactory service.

- Speak directly into the mouthpiece.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it's inoperable, return it to a dealer store or call Customer Support for service.

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**Note:** For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

---

## Maintaining Safe Use of and Access to Your Phone

Failure to follow the instructions outlined may lead to serious personal injury and possible property damage.

### Using Your Phone While Driving

Talking on your phone while driving (or operating the phone without a hands-free device) is prohibited in some jurisdictions. Laws vary as to specific restrictions. Remember that safety always comes first.

#### When using your phone in the car:

- Get to know your phone and its features, such as speed dial and re-dial.
- When available, use a hands-free device.
- Position your phone within easy reach.
- Let the person you are speaking to know you are driving. If necessary, suspend the call in heavy traffic or hazardous weather conditions.
- Do not take notes or look up phone numbers while driving.
- Dial sensibly and assess the traffic. If possible, place calls when stationary or before pulling into traffic.
- Do not engage in stressful or emotional conversations that may divert your attention from the road.
- Dial 911 to report serious emergencies. It's free from your wireless phone.
- Use your phone to help others in emergencies.
- Call roadside assistance or a special non-emergency wireless number when necessary.

## **Following Safety Guidelines**

To operate your phone safely and efficiently, always follow any special regulations in a given area. Turn your phone off in areas where use is forbidden or when it may cause interference or danger.

### **Using Your Phone Near Other Electronic Devices**

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, RF signals from wireless phones may affect inadequately shielded electronic equipment.

RF signals may affect improperly installed or inadequately shielded electronic operating systems and/or entertainment systems in motor vehicles. Check with the manufacturer or their representative to determine if these systems are adequately shielded from external RF signals. Also check with the manufacturer regarding any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical devices, such as pacemakers and hearing aids, to determine if they are adequately shielded from external RF signals.

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**Note:** Always turn off the phone in health care facilities and request permission before using the phone near medical equipment.

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### **Turning Off Your Phone Before Flying**

Turn off your phone before boarding any aircraft. To prevent possible interference with aircraft systems, U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

### **Turning Off Your Phone in Dangerous Areas**

To avoid interfering with blasting operations, turn off your phone when in a blasting area or in other areas with signs indicating that two-way radios should be turned off. Construction crews often use remote-control RF devices to set off explosives.

**Turn off your phone when you are in an area with a potentially explosive atmosphere. Although it is rare, your phone or its accessories could generate sparks. Sparks could cause an explosion or a fire resulting in bodily injury or even death. These areas are often, but not always, clearly marked.**

**These areas include:**

- Fueling areas such as gas stations.
- Below deck on boats.
- Fuel or chemical transfer or storage facilities.
- Areas where the air contains chemicals or particles such as grain, dust, or metal powders.
- Any other area where you would normally be advised to turn off your vehicle's engine.

---

**Note:** Never transport or store flammable gas, liquid, or explosives in the compartment of your vehicle that contains your phone or its accessories.

---

### **Restricting Children's Access to your Phone**

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone, dial 911 by mistake, or make calls that increase your phone bill.

### **Warning Regarding Display**

The display on your handset is made of glass or acrylic and could break if your handset is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

## **Caring for the Battery**

### **Protecting Your Battery**

The guidelines listed below help you get the most out of your battery's performance.

- Use only Samsung approved batteries and desktop chargers. These chargers are designed to maximize battery life. Using other batteries or chargers voids your warranty and may cause damage.
- In order to avoid damage, charge the battery only in temperatures that range from 32° F to 113° F (0° C to 45° C).

- Do not use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.
- Never dispose of the battery by incineration.
- Keep the metal contacts on top of the battery clean.
- Do not attempt to disassemble or short-circuit the battery.
- The battery may need recharging if it has not been used for a long period of time.
- It's best to replace the battery when it no longer provides acceptable performance. When used correctly, the battery can be recharged hundreds of times before it needs replacing.
- Do not store the battery in high temperature areas for long periods of time. It's best to follow these storage rules:
  - Less than one month:  
-4° F to 140° F (-20° C to 60° C)
  - More than one month:  
-4° F to 113° F (-20° C to 45° C)

### **Disposal of Lithium Ion (Lilon) Batteries**

For safe disposal options of your Lilon batteries, contact your nearest BMC service center.

**Special Note:** Be sure to dispose of your battery properly. In some areas, the disposal of batteries in household or business trash may be prohibited.

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**Note:** For safety, do not handle a damaged or leaking Lilon battery.

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### **Acknowledging Special Precautions and Industry Canada Notice**

#### **Cautions**

Any changes or modifications to your phone 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 phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

## Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

---

**Warning:** At very high volumes, prolonged listening to a headset can damage your hearing.

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## Specific Absorption Rates (SAR) for Wireless Phones

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user of a wireless handset.

The SAR value of a phone is the result of an extensive testing, measuring, and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. However, when in operation the SAR of a phone can be substantially less than the level reported to the FCC. This is because of a variety of factors including its proximity to a base station antenna, phone design, and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

The highest reported SAR values of the SPH-m330 are:

CDMA mode (Part 22)

Head: 1.22 W/kg Body-worn: 0.871 W/kg

PCS mode (Part 24)

Head: 1.16 W/kg Body-worn: 0.911 W/kg

## Owner's Record

The model number, regulatory number, and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: SPH-m330

Serial No.:

## User Guide Proprietary Notice

CDMA Technology is licensed by QUALCOMM Incorporated under one or more of the following patents:

4,901,307 5,109,390 5,267,262 5,416,797

5,506,865 5,544,196 5,657,420 5,101,501

5,267,261 5,414,796 5,504,773 5,535,239

5,600,754 5,778,338 5,228,054 5,337,338

5,710,784 5,056,109 5,568,483 5,659,569

5,490,165 5,511,073

T9 Text Input is licensed by Tegic Communications and is covered by U.S. Pat. 5,818,437, U.S. Pat. 5,953,541, U.S. Pat. 6,011,554 and other patents pending.

# Manufacturer's Warranty

## STANDARD LIMITED WARRANTY

**What is Covered and For How Long?** SAMSUNG Electronics Canada Inc. ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case/Pouch/Holster	90 Days
Game Pad	90 Days
Other Phone Accessories	1 Year

**What is Not Covered?** This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product; or (g) Product used or purchased outside Canada. 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, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-800-Samsung. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather 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 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

**What Are the Limits On SAMSUNG's Liability?** EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
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