



Suede™

P O R T A B L E
T R I - B A N D
M O B I L E P H O N E

User Manual

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

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Section 1: Getting Started

This section explains how to start using your Samsung R710.

Understanding this User Manual

The chapters of this manual generally follow the features of your phone. A robust index for features begins on page 140.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the manual, beginning on page 90.

Special Text

Throughout this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Note:** Presents alternative options within the current feature or menu.
- **Tip:** Provides quick or innovative methods for performing functions related to the subject.
- **Important:** Points out information about the current feature that could affect performance or your use of the phone.
- **Warning:** Brings to your attention important information to prevent loss of data or functionality, or even prevent damage your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following terms and icons appear in place of often-used procedural steps:

- select** Touch a menu item or screen item to launch or save a menu item or screen field of interest.
- Used in place of “select” in long “drill down” procedure steps.

Example: “...Settings → Call Settings → Call Answer...”

Battery



Your phone is powered by a rechargeable, standard Li-Ion battery. A Travel Adapter is included for charging the battery.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

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

Battery Indicator

The battery indicator in the upper-right corner of the display indicates power level. Monitor the power level to ensure your battery is adequately charged.

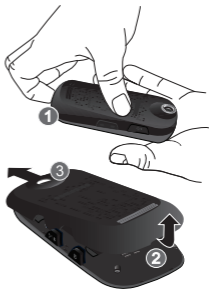
- Five bars  indicate a full charge.
- An empty battery icon  indicates a near-empty battery.
- When you have two to three minutes of battery power left, the empty battery icon will blink and a tone will sound. If you continue to operate the phone without charging, the phone will power off.

Battery Cover

The battery is under a removable cover on the back of the phone.

Removing the battery cover

- ▶ Pull up on the slot provided (1) while lifting the cover up (2) and away from the phone (3).



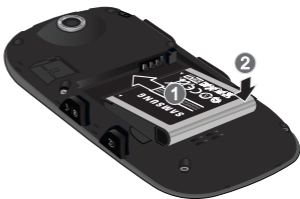
Replacing the battery cover

- ▶ Place the top end of the battery cover over the battery (1) and press the battery cover down (2) until it clicks into place (3).




Installing the Battery

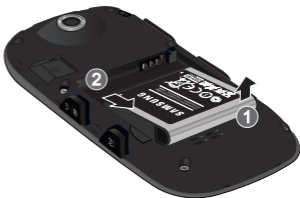
- ▶ Insert the top end of the battery, matching the gold contacts on the battery to those on the inside of the phone (1), then press the battery into the phone (2) until it slips into place.



Removing the Battery

Before removing the battery, turn the phone off, if necessary. To turn the phone off, press and hold .

- ▶ Lift the bottom end of the battery up (1) and out of the phone (2).



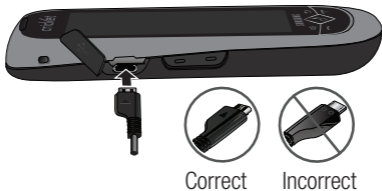
Charging the Battery

Your phone comes with a convenient, light-weight Travel Adapter for rapidly charging the battery from any 120/220 VAC outlet.

Note: Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. **Use of other accessories may invalidate your warranty and may cause damage.**


Warning! When connecting to an outlet outside North America, you must use the proper adapter for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.


1. Plug the Travel Adapter into a standard 120/220 VAC wall outlet.
2. Connect the Travel Adapter into the Power/Accessory connector on the side of your phone.



Turning Your Phone On or Off


Turning Your Phone On


- ▶ Press and hold the  key until the display lights. The phone searches for a network signal, and the time, date, and day appear on the display.

If you are outside your carrier's coverage or roaming area, the  **No Service** icon appears at the top of the phone's display. If you cannot place or receive calls, try later when service is available, or at another location.

Note: As with any other radio-transmitting device, avoid touching the antenna while using your phone, as this can affect call quality and can cause the phone to operate at a higher power level than is necessary.

Turning Your Phone Off

- ▶ With the phone on, press and hold  for two or more seconds.

Note: If your phone is on and you press  for less than one second, the phone will not power off. This prevents your phone from being turned off accidentally.

Locking and Unlocking

Your phone offers two lock functions, locking the phone, or locking the screen.

Locking and Unlocking the Phone

Locking the phone prevents unauthorized access to information on the phone, but allows dialing with the Dialer. Locking and unlocking the phone requires the Lock Code.

Locking the phone

1. From a Home screen, touch **Menu** → **Settings** → **Phone Settings** → **Security**.
2. At the prompt, enter the phone's Lock Code. The default lock code is the last four digits of your phone number.
3. Select **Lock Phone** → **Lock**, then touch **OK**.

Tip: The default Lock Code is the last four digits of your telephone number, or you can set a custom lock code at **Menu** → **Settings** → **Phone Settings** → **Security**.

Unlocking the phone

Note: You may need to unlock the screen before unlocking the phone. For more information, see *"Locking and Unlocking the Screen"* on page 14.

1. Touch the screen, or press any key.
2. At the prompt, enter the Lock Code. The default lock code is the last four digits of your phone number.

Locking and Unlocking the Screen

By default, the phone locks automatically when the backlight goes off, or you can lock it manually.

Note: You can choose to disable automatic screen locking. For more information, see see “*Phone Settings*” on page 88.

Locking the screen manually

- ▶ Press the  **Lock / Voice Service** key. The lock screen displays briefly.

Unlocking the screen

- ▶ Press and hold the  **Lock / Voice Service** key.

Voicemail

Setting Up Voicemail

Voicemail allows callers to leave voice messages, which can be retrieved any time.

Note: Once your Voicemail account has been set up, you can use the **Voicemail** folder (under the **Message** menu) to view details of voice messages in your Voicemail box.

- ▶ In Standby mode, touch the **Dialer** soft key, then touch and hold **1 ∞**, or dial your mobile number. Follow the prompts in the new user tutorial to set up your mail box.

Listening to Voicemail

- ▶ In Standby mode, touch the **Dialer** soft key, then touch and hold **1 ∞**, or dial your mobile number. After connecting, you will hear your voice greeting, and the prompt to enter your password.

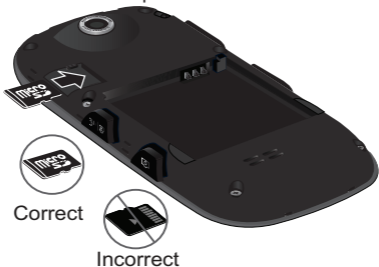
Memory Card

Install an optional microSD™ or microSDHC™ card (not included) in your phone for storing music, sounds, photos, and videos.

Note: muve music requires that an optional Memory Card be installed.

Installing a Memory Card

1. Remove the battery cover from the phone, as shown. For more information, refer to “*Battery Cover*” on page 9. There is no need to turn off the phone.



2. Align the memory card as shown, with the gold contacts facing down, then carefully slide the memory card into the card slot until you feel the card click into place.
3. Replace the battery cover.

Headset Jack

Your phone includes a jack for attaching an optional Headset or Headphones. You can use a Headset for hands-free telephone conversations, or Headphones, to listen to music or videos.

- ▶ Plug the Headset or Headphone cable into the Headset Jack on the top of the phone.



Section 2: Understanding Your Phone

This section describes key features of your phone, including the touch screen and icons displayed when the phone is in use.

Features of Your Phone

- Color full-screen high-resolution touch screen (240 x400 pixels)
- Widget bar and three-page Standby and Main Menu screens
- Motion and position sensitivity
- Full HTML Browser
- Text, Picture, Video, and Email messaging with QWERTY Touch Keypad
- 3.0 Megapixel wide screen Camera-Camcorder
- High speed data (3G-EVDO)
- Bluetooth[®] 2.0 Wireless Technology (see Note)
- Global Positioning (GPS) Technology
- Personal Information Management Applications
- Voice and Touch Keypad Dialing
- Music (MP3) Player and Video (MP4) Player
- Memory Card slot

Note: The R710 supports the wireless headset, handsfree, stereo headset, file transfer, object push, basic printing, dial up networking, and phonebook access profiles for Bluetooth wireless technology.

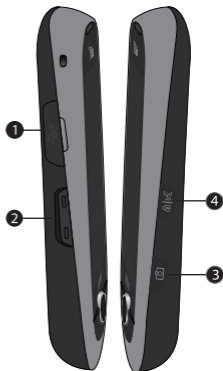
Front View of Your Phone

- 1. Earpiece / Speaker:** Lets you hear tones and the other parties to calls.
- 2. Touch Screen:** Displays your phone's status and touch controls.
- 3. Speakerphone Key:** Touch to enable or disable Speakerphone mode.
- 4. Send Key:** Press to place or answer a call. In Standby mode, press to access the Recent Calls log.
- 5. muve music Key:** In Standby mode, press to launch muve music. For more information, see *"muve music"* on page 69.
- 6. Microphone:** Lets the other caller hear you clearly.
- 7. Power / End Key:** Press and hold to power on or off. Press to end a call, or to return to Standby mode.
- 8. Clear Key:** When entering text, press to delete characters. When navigating, press to return to the previous menu or screen.
- 9. Headset Connector:** Used to connect an optional wired headset or TTY device to your phone.



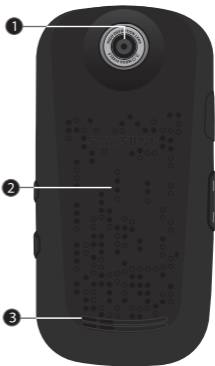
Side Views

- 1. Power / Accessory Connector:** Connect charging accessories or other optional accessories.
- 2. Volume Key:** Press to adjust ringtone volume in Standby mode, adjust voice volume during a call, or mute the ringtone for an incoming call.
- 3. Camera Key:** Press to launch the Camera-Camcorder.
- 4. Lock / Voice Service Key:** Press to lock the phone keys and screen. From a Home screen, press and hold to launch Voice Service voice recognition.







Rear View

1. **Camera Lens:** The lens of your built-in camera.
2. **Battery Cover:** Protects the battery.
3. **Speaker:** Lets you hear music, video soundtracks, and lets you conduct calls hands-free and/or allow other parties listen to calls.






Command Keys

Send Key

- Press the  Send key to answer an incoming call.
- To make a call, enter a number and press the  Send key.
- In Standby mode, press the  Send key to display the Calls log.
- In Standby mode, press the  Send key twice to call the most recent number.

Power / End key

- Press and hold the  Power/End key to turn your phone on or off.
- Press the  Power/End key to end a call.
- When navigating, press the  Power/End key to return to Standby mode.




muve music Key

- Press the  muve music key to launch muve music.





Speakerphone Key

- While in a call, press the  Speakerphone key to switch to Speakerphone mode.

Clear Key

- When entering text, press the  Clear key to erase the previous character.
- To delete an entire sentence, press and hold the  Clear key.
- When navigating, press the  Clear key to return to the previous screen.




Volume Key

- In Standby mode, press the  Volume key Up or Down to adjust the Master Volume level.
- When receiving a call, press the  Volume key Up or Down to mute the ringer.
- During a call, press the  Volume key Up or Down to adjust the voice volume in the Earpiece or Speakerphone.
- When playing a music file or video clip, press the  Volume key Up or Down to adjust the playback volume.

Camera Key

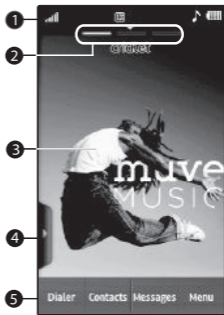
- Press the  Camera key to launch the Camera/Camcorder.

Lock / Voice Service Key

- From any screen, press the  Lock/Voice Service key to lock the phone.
- In Lock mode, press and hold the  Lock/Voice Service key to unlock the phone.
- From a Home screen, press and hold the  Lock/Voice Service key to launch Voice Service.

Understanding the Display

1. **Status Bar:** Displays icons to indicate network status, battery power, signal strength, connection type, and more. For more information, see *“Status Bar”* on page 25.
2. **Shortcut Bar:** Touch the arrow at the bottom of the Status Bar to display the Shortcut Bar. For more information, see *“Shortcut Bar”* on page 25.



The indicators below the Status Bar show the Home screen panel.

3. **Home screen:** Shows information such as call progress information, messages, and widgets. For more information, see *“Home Screen”* on page 26.
4. **Widget Tray:** Touch the tab to open the Widget Tray. For more information, see *“Widgets and the Widget Tray”* on page 27.
5. **Soft Keys:** Touch to quickly access features.

Shortcut Bar

From a Home screen, touch the arrow at the bottom of the Status Bar to display the Shortcut Bar.

To hide Shortcut Bar, touch anywhere on the Home screen.

The Shortcut Bar contains these shortcuts:

- **Widget setup:** Choose Widgets to appear in the Widget Tray.
- **Browser:** Launch your phone's HTML web browser.
- **Airplane Mode:** Activate or deactivate Airplane mode. For more information, see *"Phone Settings"* on page 88.
- **Bluetooth:** Access Bluetooth. For more information, see *"Bluetooth"* on page 78.



Status Bar

The Status Bar displays icons to show your phone's signal strength, battery power, connection status and more.

The Icon Glossary contains a list of all icons and definitions. To access the Icon Glossary:

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Settings** → **Phone Info** → **Icon Glossary**.

Home Screen

The Home screen is your starting point for using your phone. You can customize home screens by placing widgets and changing wallpaper.

The Home screen consists of three panels that extend beyond the display width to provide more space for adding widgets. Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the top of the display shows your current position.



Customizing the Home Screens

Customize the Home screens to suit your preferences.

- **Place widgets:** For more information, see *“Placing Widgets”* on page 28.
- **Change wallpaper:** For more information, see *“Display Settings”* on page 86.

Widgets and the Widget Tray

Widgets are links to applications, tools, or features, which can be placed in the Widget Tray, or on a Home screen.

The Widget Tray, at the left of the Home screen, provides quick access to widgets.

Use your finger to scroll in the Widget Tray to scroll through the widgets.

Accessing the Widget Tray

- ▶ From a Home screen, touch the Widget Tray tab to show or hide the Widget Tray.

Customizing the Widget Tray

Select widgets for display in the Widget Tray, and enable online widgets to connect to the network.

1. From a Home screen, display the Shortcut Bar by touching the arrow at the bottom of the Status Bar, then touch the Widget setup icon.
2. Use your finger to scroll the list of widgets. Touch a widget to select or unselect it, or touch **Select All** or **Unselect All**.
3. Touch **OK** to save your settings and return to the Home screen.



Note: You can also access Widget setup from Settings. For more information, and for a list of available widgets, see “Widget” on page 85.

Placing Widgets


Use these methods to customize the Widget Tray and Home screens:

- Touch a widget in the Widget Tray to place it on a Home screen.
- To move a widget on a Home screen, touch and drag it to a new location.
- To return a widget to the Widget Tray, tap the Widget Tray tab to open it, then touch and drag the widget to the tray.

Tip: With the Widget Reset Gesture, you can move all widgets from the current Home screen back to the Widget Tray by opening the Widget Tray, then shaking the phone three times. For more information, refer to “*Gesture*” on page 88.

Learning More About Your Phone

The Help widget contains information about many of the features of your phone.

1. From a Home screen, open the Widget Tray. For more information, see “*Widgets and the Widget Tray*” on page 27..
2. Touch the  **Help** widget to place it on the Home screen.
3. Tap the Help widget to view topics.

Menu

The Menu displays applications and features.

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

There are two menu screens. Slide your finger horizontally across the screen to scroll to Main Menu 1 or Main Menu 2.

Touch an icon to launch the application or feature.



Entering Text

The r710 provides convenient touch text entry with a phone-style 3x4 keypad or the virtual QWERTY keyboard.

Entering Text Using the Virtual QWERTY Keyboard

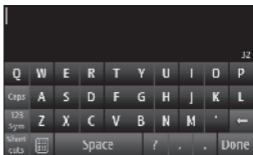
Your phone's virtual QWERTY keyboard offers quick and easy touch text input, similar to a computer keyboard.


Accessing the QWERTY Keyboard

- ▶ With the cursor in a text field, touch the pull-down menu at the top right of the screen and choose **QWERTY**.

– or –

Rotate the phone counter-clockwise to automatically switch to the QWERTY keyboard.



Tip: The QWERTY Keyboard always displays in landscape mode. To switch back to the 3x4 Keypad, touch  or rotate the phone.

Changing the Text Entry Mode

While entering text with the QWERTY keyboard, choose text entry modes to make text entry easier:

- **Abc**: Enter text characters. While entering text, touch **Caps** once to switch between Abc and ABC modes, or touch **Caps** twice quickly to lock in ABC mode until you touch **Caps** again.
- **123 Sym**: Enter numbers or symbols. While in 123 Sym mode, touch **SYM** or **123** to switch between Symbols and Numbers.
- **Shortcuts**: Insert common internet characters and phrases, such as @, http://, www., or .com.

Using Abc/ABC/abc mode

Enter text in upper and lower case by pressing corresponding keys.

While entering text:

- Press the key for each letter only once.
- Touch **Caps** to switch to ABC (upper case) mode. To switch back to abc (lower case) mode, touch **Caps** once.
- Touch **Caps** twice quickly to lock the keyboard in ABC (upper case) mode. To switch back to abc (lower case) mode, touch **Caps** once.

Using 123 Sym mode

Enter numbers and symbols by pressing corresponding keys.

While entering text:

- Touch a key to enter a number.
- Tap **SYM** to access more symbols.

Entering Text with the 3X4 Keypad

The 3x4 Keypad provides standard text entry for phone keypads.

Accessing the 3x4 Keypad

The 3x4 Keypad is the default for most text entry fields. The 3x4 Keypad always displays in portrait mode.

- ▶ With the cursor in a text field, touch the pull-down menu at the top right of the screen and choose **3X4Keypad**.



Changing the Text Entry Mode

Choose text entry modes to make entering text easier.

- ▶ While entering text with the 3x4 Keypad, press **Entry Mode** to choose **Abc**, **abc**, **ABC**, **T9Word**, **T9word**, **T9WORD**, or **123**.

Tip: The current text entry mode displays in the upper right corner of the 3x4 Keypad.

Using T9 Mode

T9[®] Word is a predictive text input mode that recognizes common words matching the sequence of your key touches. T9 Word is available on your phone's 3x4 Keypad, requires only one key press per letter and is much faster than traditional phone text entry.

- ▶ While entering text using the 3x4 Keypad, touch the **Entry Mode**, then select **T9Word**.
 - Touch the key for each letter only once. Enter the entire word before editing or deleting.
 - As you touch keys, matching words display. Touch a word to insert it, or enter a space to automatically accept the first word and continue.
 - Touch *** ↑** to change between T9Word (initial case), T9word (lower case) and T9WORD (upper case).
 - To enter a space, touch **# ↵**.
 - To enter a period, @, or comma, touch **1 @,**, then touch the symbol.


Using Abc/ABC/abc Mode

- ▶ While entering text using the 3x4 Keypad, touch **Entry Mode**, then select **Abc**, **ABC**, or **abc**.
 - Touch the key for each letter rapidly until the desired letter appears in the display, then move to the next key or pause briefly to insert the letter.
 - Touch *** ↑** to switch between Abc (initial case), ABC (upper case), or abc (lower case).
 - Touch **1 @,** twice to enter @, or three times to enter a comma.
 - Touch **# ↵** to enter a space.

Section 3: Call Functions

This section provides procedures for making and answering calls. This section also describes features, such as call logs and call timers, that help you make calls and manage your call time.

Making a Call


1. From a Home screen, touch **Dialer**. The Dialer appears in the display.
2. Enter a phone number using the touch keypad.
3. Press  or touch **Voice Call** to place the call.



Dialing Emergency Calls

Emergency speed dials 911, *911 and #911 are pre-defined in your phone.

Note: You can change the pre-defined emergency numbers in your phone's settings. For more information, see see *"Call Settings"* on page 87.

1. From a Home screen, touch **Dialer**. The Dialer appears in the display.
2. Enter 911, *911 or #911 using the touch keypad.
3. Press  or touch **Voice Call** to place the call.



When you call an emergency number, your phone plays a tone and locks itself in emergency mode, to allow emergency operators to more easily dispatch aid. An emergency prompt appears in the display for the duration of the call.

Important!: Because of various transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

Three-Way Calling

Set up a three-way call by merging two calls together.

1. From the Home screen, touch **Dialer**.
2. Enter the number for the first party, then press .
3. When connected, touch **Dialer** to place the first party on hold.
4. Enter the second party's phone number and press  to set up the three-way call.

Manual Pause Calling

Call a number, including waits or pause(s) for input.

1. From a Home screen, touch **Dialer**.
2. Enter the number up to the pause, then touch **Add Pause**, and select an option:
 - **Wait**: Inserts a hard pause, to await input from you. A "W" appears in the phone number for each wait.
 - **2-Sec Pause**: Inserts a two-second pause, after which dialing resumes. A "P" appears in the phone number for each pause.

Tip: You can create pauses longer than two seconds by entering multiple 2-Sec Pauses.

3. Continue dialing, then press  or touch **Voice Call**.

Tip: If you plan to call the number frequently, tap **Add To Contacts** to store the number, with pauses, as a contact.

Speed Dialing


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

For more information about assigning Favorites, see “Favorites” on page 47.

1. From a Home screen, touch **Dialer**.
2. Enter the Speed Dial digits, pressing and holding the last digit to dial the call automatically.

Voice Dialing

Place a call by speaking a contact name or telephone number.


1. From a Home screen, press and hold the the  Lock/Voice Commands key on the right side of your phone.
2. At the prompt, say the name, exactly as it appears in Contacts, or say the digits of the telephone number.
3. Follow the prompts to confirm your selection and place the call.

Note: When you use Voice Dialing to make a call, you must end the call before you can use other Voice Commands.

Answering a Call

When you receive a call, the phone displays information about the call, including the name (if the number is stored in Contacts) and number.

Tip: If you assign pictures to contacts, the picture appears in the display when you receive a call from the contact. See “Assigning a Picture to a Contact” on page 45.




► When a call is incoming, press  to answer the call.

Note: With the Answer Options setting, you can choose to press any key to answer a call. For more information, see see “*Call Settings*” on page 87.

Answering Call Waiting


If you're on a call, your phone beeps when you receive a second call. Call Waiting lets you answer the second call and alternate between both calls.

Note: Contact your Wireless Carrier for availability.

1. Press  to place the first call on hold, answer the second call, and ask the caller to remain on the line.
2. Press  to place the second call on hold and return to the first call.
3. Press  to alternate between calls.


Silencing an Incoming Ringtone

To temporarily silence the incoming call ringtone:

- ▶ While your phone is ringing, press the  Volume key up or down.

Ignoring an Incoming Call

To send an incoming call directly to voicemail:

- ▶ While your phone is ringing, press the  Power/End key.


In-Call Options

You can access a number of features while in a call.

1. To disable/enable the microphone, touch **Mute**.
2. To disable/enable the speakerphone, touch **Speaker**.
3. Other options available while in a call are:
 - **Switch to headset**: Switches the call audio to an attached headset, or to a paired Bluetooth headset.
 - **Memo**: Displays the **Memo Pad** screen.
 - **Messages**: Displays the **Messages** menu.
 - **End Call**: Ends the current call.
 - **Dialer**: Displays the Dialer screen.
 - **Contacts**: Displays the Contacts list screen.
 - **Add To Contacts**: Displays the Add To Contacts pop-up menu.
 - **Send DTMF**: Sends your phone number as DTMF tones to the other person on the call.

Calls

The Calls log contains records for Outgoing, Incoming, and Missed calls. You can access this information for future reference, to return calls, and to add new Contacts.


- ▶ From a Home screen, press .

– or –

Touch **Menu** → **Menu 2** → **Calls**.


All Calls

The All Calls log displays records for all calls.

- ▶ From a Home screen, press .


Incoming Calls

The Incoming Calls log displays the last 90 incoming calls.

- ▶ From a Home screen, press , then select **Incoming** from the menu at the top right of the screen.

Outgoing Calls

The Outgoing Calls log displays the last 90 outgoing calls.

- ▶ From a Home screen, press , then select **Outgoing** from the menu at the top right of the screen.


Missed Calls

The Missed Calls log displays the last 90 calls you did not answer.

- ▶ From a Home screen, press , then select **Missed** from the menu at the top right of the screen.

Data Calls

The Data Calls displays the last 90 data calls.

- ▶ From a Home screen, press , then select **Data** from the menu at the top right of the screen.

Call Timer


View the duration of calls.

Note: Call Timer is not for billing purposes.

- ▶ From a Home screen, press , then select **Call Timer**.

Save Numbers from Call Logs

Store numbers from Calls logs to Contacts.

1. From a Home screen, press , then select a calls log.
2. Touch a call to display the call information.
3. Touch **Add To Contacts**. The following options are available:
 - **Add New Contacts:** Adds the number as a new Contact.
 - **Update existing:** Adds the number to an existing Contact.

For more information, refer to “*Adding a New Contact*” on page 42.

Section 4: Understanding Your Contacts

Up to 2000 entries can be stored in Contacts. Each entry can have up to five associated phone numbers and one e-mail address. Each phone number can be up to 32 digits in length, including pauses, and associated names can be up to 32 characters in length. You can assign Speed Dial numbers to up to 30 Favorites. Using Security settings, you can also restrict your Contacts List to prevent unauthorized viewing.

Adding a New Contact

Dial Method

1. From a Home screen, touch **Dialer**.
2. Enter the number you wish to add to your Contacts.
3. Touch **Add To Contacts**, then choose an option:
 - **Add New Contacts**: Save the number as new Contact.
 - **Update existing**: Add the number to an existing Contact.
4. Touch the **Name** field, then enter the contact's name using the 3x4 Keypad or the QWERTY keypad. Touch **Done** to return to the Contacts record.
5. Continue touching fields to enter contact information, if needed.
6. When finished, touch **Save**.

Menu Method

1. From a Home screen, touch **Contacts** → **New Contact**.
2. Touch the **Name** field, then enter the contact's name using the 3x4 Keypad or the QWERTY keypad. Touch **Done** to return to the Contacts record.
3. Continue touching fields to enter contact information, if needed.
4. When finished, touch **Save**.

Saving a Number After a Call

When you finish a call, you can store the caller's number to your Contacts list.

1. After ending the call, the call time, length of call, phone number, and name of the caller (if available) appear in the display.
2. Touch **Add To Contacts**, then select an option:
 - **Add New Contacts**: Save the number as new Contact.
 - **Update existing**: Add the number to an existing Contact.
3. Touch the **Name** field, then enter the contact's name using the 3x4 Keypad or the QWERTY keypad. Touch **Done** to return to the Contacts record.
4. Continue touching fields to enter contact information, if needed.
5. When finished, touch **Save**.

Finding a Contact

Shortcut Method

If you've stored a named entry in Contacts, the Search option in the **Contacts** screen lets you find it quickly.


1. From a Home screen, touch **Contacts**.
2. Tap the **Tap here to find** field, then enter the first few letters of the contact's name with the 3x4 Keypad. As you enter letters, matching Contacts display.

Browse Method

1. From a Home screen, touch **Contacts**.
2. Touch and swipe to scroll up and down in the Contact List until you locate the desired Contact.

Voice Method

Use the **Voice Services Lookup** command to view information for any named contact stored in your Contacts list.

1. From a Home screen, press and hold the  Lock/Voice Service key to launch Voice Service.
2. At the “**Please say a Command**” prompt, say “**Lookup**” and the name of the Contact.

Editing a Contact

1. From a Home screen, touch **Contacts**.
2. Find and select the Contact to be changed. See “*Finding a Contact*” on page 44.
3. Touch **Edit** and make the desired changes.

Assigning a Picture to a Contact

When you assign a picture to a Contact, the picture you assign appears in the display when you receive a call from that Contact.

1. From a Home screen, touch **Contacts**.
2. Find and select the contact, then touch **Edit**. See “*Finding a Contact*” on page 44.
3. Touch the picture field at the top of the screen, then choose an option:
 - **Take Photo**: Launch the Camera to take a new picture, then touch **Insert** to set the picture as Picture ID. For more information about taking pictures, see “*Camera-Camcorder*” on page 62.
 - **My Images**: Choose a picture from My Images. Touch **Set** to save the picture as Picture ID. For more information about using My Images, see “*My Images*” on page 71.

Assigning a Ringtone to a Contact

When you assign a ringtone to a Contacts entry, the phone plays that ringtone instead of the Voice Calls ringtone for incoming calls from the Contact.

1. From a Home screen, touch **Contacts**.
2. Find and select the contact, then touch **Edit**. See “*Finding a Contact*” on page 44.
3. Scroll through the Contact fields to find the **Ringtone** field (set to **Default**).
4. Touch the field, then choose a ringtone using these options:
 - Touch a preloaded ringtone from the **My Ringtones** list, then touch **Set** to assign the ringtone to the contact.
 - Touch **My Sounds**, then choose a preloaded sound, or touch **Record New** to record a new sound. Touch **Set** to assign the sound to the contact.

Erasing a Contact

1. From a Home screen, touch **Contacts** → **Erase**.
2. Touch contacts to mark them for deletion, or touch **Select All** to mark all contacts.
3. Touch **Erase**, then confirm the erasure at the prompt.

Favorites

Assign up to 30 contacts as Favorites, to find contact information quickly, and send or call Favorites. You can also speed dial the Favorite using the 1- or 2-digit Favorite number.

Note: To use the speed dial feature for Favorites, set the **Speed Dial** setting to **On**. For more information, see “*Call Settings*” on page 87.

Assigning Favorites

1. From a Home screen, touch **Contacts**, then choose **Favorites** from the menu at the top right of the screen.

Note: Favorite number 1 is assigned to Voicemail, and cannot be removed.

2. Touch and swipe the list up and down to browse the list, then touch an unassigned Favorite number.
3. From the **Contacts** screen, select a Contact, then touch a phone number.
4. Touch **Add** to assign the Contact and number to the Favorite.

Removing Favorites

1. From a Home screen, touch **Contacts**, then choose **Favorites** from the menu at the top right of the screen.
2. Touch **Remove**, then touch the Favorite you wish to unassign.
3. Touch **Remove** to remove the contact from the Favorite.

Groups


Groups let you easily send messages to multiple, selected Contacts. You can also use Groups to find Contact entries and to add/remove Contacts names in a Group or to create or rename a Group.

Adding Contacts to a Group

The Add option lets you add one or more contacts to a Group.

1. From a Home screen, touch **Contacts**, then choose **Groups** from the menu at the top right of the screen.
2. Touch a group to display its members.
3. Touch **Add member**, then touch Contacts to add to the group. A check mark appears in the check box for selected Contacts.
4. Touch **Add** to add the contacts to the group.

Sending a Message to a Group

1. From a Home screen, touch **Contacts**, then choose **Groups** from the menu at the top right of the screen.
2. Touch  next to the Group, then touch **Text Message**, **Picture Message**, or **Video Message**.
3. Continue to create and send the message. For more information, see *“Messages”* on page 52.

Adding a New Group

1. From a Home screen, touch **Contacts**, then choose **Groups** from the menu at the top right of the screen.
2. Enter a new group name, then press **Done**.

Renaming Groups

Change the name any of the Groups, except **General**.

1. From a Home screen, touch **Contacts**, then choose **Groups** from the menu at the top right of the screen.
2. Touch **Rename**.
3. Enter changes to the group name and touch **Save**.

Erasing a Group

1. From a Home screen, touch **Contacts**, then choose **Groups** from the menu at the top right of the screen.
2. Touch **Erase**.
3. Touch the desired Group, then touch **Erase**.

Note: When you delete a Group, any assigned Contacts entries return to **General**.

Memory Status

View the amount of memory used to store Contacts entries, as well as the memory remaining to store more Contacts entries.

- ▶ From a Home screen, touch **Contacts**, then choose **More → Memory Status** from the menu at the top right of the screen.

Section 5: Games & Apps

With Games & Apps, you can download full-featured applications, including games, personalized ringtones, pictures, and more.

This section outlines how to obtain games and other applications for your phone. For more information, contact your Wireless Provider.

- ▶ From a Home screen, touch **Menu → Menu 1 → Games & Apps**.

The Games & Apps menu appears in the display as shown.

Shopping and Downloading

Download games, ringtones, and more using Games & Apps.

Note: For information on airtime charges and availability of applications, contact your Wireless Provider.

1. From a Home screen, touch **Menu → Menu 1 → Games & Apps**.
2. Touch **Games & Apps** to launch the Games & Apps catalog.
3. Follow the prompts in the Games & Apps Catalog menu to browse and download applications.

Changing Games & Apps Settings

Use the Settings menu in Games & Apps to manage, move, order applications, and much more.

1. From a Home screen, touch **Menu → Menu 1 → Games & Apps**.
2. At the Games & Apps menu, touch **Settings** for these options:
 - **Order Apps:** Arrange the order of applications in the **Main Menu** or the **Favorites, Work, or Fun** folders.
 - **Move Apps:** Move downloaded applications between folders.
 - **Manage Apps:** View used and available memory.
 - **Main Menu View:** Select whether applications in the Games & Apps main menu appear as Icons, or as a List.
 - **View Log:** View the Mobile Shop log, which displays information about recent activity using Mobile Shop.

Using On-line Help

The Help sub-menu within Games & Apps lists short tutorials on several Games & Apps features. View information about charges, cancelling subscriptions, buying apps, disabling apps, and more.

1. From a Home screen, touch **Menu → Menu 1 → Games & Apps**.
2. At the Games & Apps menu, touch **Help**.
3. Touch the a Help subject to view the Help information.

Section 6: Messages

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

Types of Messages

Your phone can send and receive Text, Picture, and Video messages.

Note: Available memory is shared between all messages. The number of messages stored depends on message length.

Create and Send Text Messages

Send Text messages to recipients with compatible devices.

1. From a Home screen, touch **Messages** → **Send Message** → **Text Message**.
2. In the **Text Msg** screen, enter recipients using one of these methods:
 - Touch a **To** field to enter the recipient's number.
 - Touch **Contacts** to select contact(s).
 - Touch **Groups** to select group members.
 - Touch **Recent Calls** to select a number from the Calls log.
3. Touch **Next**, then enter up to 150 characters in the Text field. For more information, see *“Entering Text”* on page 30.
4. Touch **Done** → **Send**.


Create and Send Picture Messages

1. From a Home screen, touch **Messages** → **Send Message** → **Picture Message**.
2. In the **Picture Msg** screen, enter recipients, then touch **Next**:
 - Touch a **To** field to enter the recipient's number.
 - Touch **Contacts** to select contact(s).
 - Touch **Groups** to select group members.
 - Touch **Recent Calls** to select a number from the Calls log.
3. Touch **Subject** to enter an optional subject, then touch **Done**.
4. Touch **Text** to enter message text, then touch **Done**.
5. Touch **Picture** to attach a picture:
 - **Take Photo**: Launch the Camera to take a new picture, then touch **Send** to attach the picture to the message. For more information about taking pictures, see *"Camera-Camcorder"* on page 62.
 - **My Images**: Choose a picture from My Images, then touch **Send** to attach the picture to the message. For more information about using My Images, see *"My Images"* on page 71.
6. Touch **Sound** to attach an optional sound:
 - **Record New**: Launch Voice Memo to record a new sound to attach to the message. For more information about recording sounds, see *"Recording Sounds"* on page 77.
 - **My Sounds**: Choose a sound from My Sounds, then touch **Send** to attach the sound to the message. For more information about using My Sounds, see *"My Sounds"* on page 76.
7. When the message is complete, touch **Send** to send it.

Create and Send Video Messages

1. From a Home screen, touch **Messages** → **Send Message** → **Video Message**.
2. In the **Video Msg** screen, enter recipients, then touch **Next**:
 - Touch a **To** field to enter the recipient's number.
 - Touch **Contacts** to select contact(s).
 - Touch **Groups** to select group members.
 - Touch **Recent Calls** to select a number from the Calls log.
3. Touch **Subject** to enter an optional subject, then touch **Done**.
4. Touch **Text** to enter message text, then touch **Done**.
5. Touch **Video** to attach a picture:
 - **Take Video**: Launch the Camera to record new video, then touch **Send** to attach the video to the message. For more information about taking videos, see *"Camera-Camcorder"* on page 62..
 - **My Videos**: Choose a picture from My Videos, then touch **Send** to attach the video to the message. For more information about using My Videos, see *"My Videos"* on page 73.
6. When the message is complete, touch **Send** to send it.

Receive Messages

When you receive a message, the ringer sounds (unless sounds are disabled) and a  **New Message** alert displays, with the date and time of the message and these options:

- **View Now:** Open the message.
- **View Later:** Save the message to your Inbox, where you can view it later.

Receiving Messages in Lock Mode

Your phone can still receive messages while in Lock Mode. The time and date of the message appear in the display, but you cannot access the message until you enter the lock code.

Message Folders

Your phone stores messages in message folders.

Inbox

Text, Picture and Video messages you receive are stored in the Inbox.

- ▶ From a Home screen, touch **Messages → Inbox**.

Outbox

Text, Picture and Video messages you send are stored in the Inbox.

- ▶ From a Home screen, touch **Messages → Outbox**.

Drafts


Messages you've created and saved, but not sent, are stored in Drafts. You can return to Drafts to view, edit, or send a draft message.

- ▶ From a Home screen, touch **Messages → Drafts**.

Voicemail

Voicemail messages display in the Voicemail folder. Open the Voicemail folder to check voicemail and listen to Voicemail messages.

- ▶ From a Home screen, touch **Messages → Voicemail**.

Note: You can also check Voicemail from the **Dialer**, by pressing and holding the  Voicemail key.

Erasing Messages

You can erase all of the messages in any or all of the message folders using one convenient command.

1. From a Home screen, touch **Messages → Erase Messages**.
2. Touch the desired Message folder, or touch **All Messages**.
3. At the prompt, touch **Yes**.

Quick Text

Quick Text are phrases you can add to a message to save time. Your phone comes with preloaded Quick Text, or you can create your own .

- ▶ From a Home screen, touch **Messages → Message Settings Quick Text**.
 - To compose new Quick Text, touch **Add New**.
 - To discard an existing Quick Text, touch **Erase**.

Message Settings

Define settings for messages.

- ▶ From a Home screen, touch **Messages** → **Message Settings** to configure these settings:
 - **Auto Save / Auto Erase:**
 - **Auto Save:** Choose **On** to automatically save sent messages, **Off** to discard sent messages, or **Prompt** to have the phone prompt you for each message.
 - **Auto Erase:** Choose **On** to automatically replace the oldest message of the same type when space is needed, or **Off**. When set to **Off**, new messages will be saved if no space is available.
 - **Quick Text:** Quick Text are pre-loaded phrases you can insert into a message. You can **Add New** Quick Text, or **Erase** phrases.
 - **Voicemail Number:** Enter a new Voicemail speed dial number.
 - **Keypad / Entry Mode:** Choose a default **Keypad**, from **3X4 Keypad** or **QWERTY**, and a default **Entry Mode**, from **abc**, **ABC**, **T9Word**, or **123**.
 - **Callback Number:** Choose **On** to include a telephone number in messages, and enter the telephone number, or choose **Off**.
 - **Signature:** Choose **On** to include text signature in messages, and enter the signature, or choose **Off**.
 - **Reminder:** Choose an interval for your phone to remind you of unread messages, or choose **Off** for no reminders.
 - **Text Msg View:**
 - **Auto View:** Choose **On** to automatically display a new message's content.
 - **View Mode:** Choose **Normal** to view messages one by one, or **Chat** to view messages in a threaded (chat) view.
 - **Notification:** Choose **Normal** to have an alert display on the screen for new messages, or **Icon Only** to have an icon display in the Status Bar.

Section 7: Browser

This section outlines how to use the Browser to access the web using your phone. Each time you launch Browser, your phone connects to the Internet and the data service indicator icon appears in the display.

Launching the Browser

1. From a Home screen, touch **Menu** → **Main Menu 2** → **Browser**.
2. A list of categories (each representing one or more web sites) appears in the display. Touch the desired category.

Exit the Browser

- ▶ To exit the Browser, press .

Stored Web Content

The Browser ends an Internet connection after a certain period of inactivity, but some information from your session remains stored in the phone (if you leave your phone turned on). You can access this information without connecting to the Internet. However, if you are viewing stored information, and you select a link that was not accessed in your last session, you automatically re-connect to the Internet.

Using the Browser

When using the Browser, some keys operate differently than during a phone call. The Browser presents items in any of the following ways:

- Text or numeric input
- Links (embedded in content)
- Numbered options (some may not be numbered)
- Simple text

You can act upon options or links by using the soft keys.

Browser soft keys

Below the address bar of the Browser display is a bar that contains browser commands. The buttons are used to execute the browser commands Back, Next, Refresh, and Options (Got to Home, Zoom, Add to Favorites, Favorites, History, Full screen, Send URL, Search text, RSS feeds, and Settings).

Using Links


Links have several purposes, such as jumping to a different page, to a different site, or even initiating a phone call. Links are shown inside of brackets ([]). You can normally touch a link to select it.

Section 8: Voice Service

Your R710 includes Nuance[®] Voice Service, state-of-the-art voice recognition software that recognizes your spoken commands to dial numbers, create messages, and launch phone features such as Contacts, Calendar, and more.

To use Voice Service, speak naturally into your phone, at a distance of 3-12 inches. There is no need to “train” Voice Service, it is designed to recognize natural speech.

Voice Commands

1. From a Home screen, press and hold the  Lock/Voice Service key on the right side of your phone.

Note: You can launch Voice Service when you connect an optional headset to the phone. For more information, see “*Voice Service Settings*” on page 61.

2. Follow the spoken prompts to use Voice Service.
 - **Call <Name or #>:** Place a call to a saved contact or to a telephone number.
 - **Send Text <Name or #>:** Create a Text message, addressed to a saved contact or to a telephone number.
 - **Send picture <Name or #>:** Create a Picture message, addressed to a saved contact or to a telephone number.
 - **Lookup<Name>:** Find and view contact details.
 - **Go to<Menu>:** Open a menu item.
 - **Check<Item>:** View details about your phone's status.

Voice Service Settings

Customize the way Voice Service interprets your voice commands.

Tip: When configuring Voice Service settings, touch Help for information about the setting.


1. From a Home screen, touch **Menu** → **Tools** → **Voice Service** → **Voice Settings**.
2. Select a setting for customization:
 - **Confirmation:** Choose whether the phone prompts you with a list of potential matches to your command. Select **Automatic**, **Always Confirm**, or **Never Confirm**.
 - **Adaptation:** Adapt Voice Service to your voice, for optimal recognition accuracy. Touch **Adapt Voice**, then follow the prompts.
 - **Modes:** Control the level of guidance provided by Voice Service. Choose from:
 - **Expert Mode:** The system uses beeps to prompt you for commands.
 - **Prompt Mode:** The system uses spoken prompts.
 - **Readout Mode:** The system prompts you for information, and reads out the screen displays.
 - **Voice Launch:** Choose a method for launching Voice Service, from **Key Only**, to launch with the Lock/Voice Service key, or **Key / Ear Mic** to launch with the Lock/Voice Service key OR with headset controls when you attach an optional headset.
 - **About:** View version and build information for Nuance voice recognition software.

Section 9: Camera-Camcorder

Use your Samsung phone to take full color digital pictures and videos, display them on your phone's vivid color display, and instantly share them with family and friends. It's fun, and as easy to use as a traditional point-and-click camera or camcorder. This section explains how you can do the following:

- Take pictures and videos with your phone's built-in digital Camera-Camcorder.
- Send and pictures and videos taken with your phone's Camera-Camcorder.
- Set options associated with the Camera-Camcorder that help you take crisp, clear pictures and videos.


Taking Pictures

1. From a Home screen, press the  Camera key on the right side of the phone.

Note: You can also activate the Camera by touching **Menu** → **Main Menu 2** → **Camera**.

2. The camera opens in landscape mode, with Camera Options displayed. Tap the screen once to hide the top line icons, or tap twice to hide Camera Options. For more information about options, see “*Camera Options*” on page 64.
3. Using the display as a viewfinder, compose your picture by aiming the lens on the back of the phone at the subject.

Tip: While composing your picture, press the Volume key on the side of the phone up to zoom out, or down to zoom in.

4. Press the  Camera key to take the picture.
5. The picture displays, with these options:
 - To discard the new photo and take more pictures, touch **Erase**.
 - Touch **Send** to save the picture and attach it to a new Picture message.
 - Touch **Set As Wallpaper** to set the picture as a Home screen wallpaper.
 - Touch **Save** to save the photo to My Images.

Camera Options



Mode: Indicates the current mode. Touch to change to Camcorder mode.



Shooting Mode: Choose a shooting mode, from:

- **Single:** Take single pictures.
- **Multi:** Take 3 or 5 consecutive pictures each time you press the Camera key.
- **Mosaic:** Choose one of two templates to combine multiple pictures into one.
- **Frame:** Choose a fun border for your picture.



Size: choose a size for photos, from **2048x1536**, **1600x1200**, **1280x960**, **1024x768**, **640x480**, or **Picture ID**.



Settings →  **Camera:**

- **Quality:** Set image quality.
- **White Balance:** Choose a setting for the light source.
- **Effects:** Choose effects to add to the picture.
- **ISO:** Choose an ISO setting for pictures.
- **Exposure metering:** Set how the camera measures the light source.



Settings → Settings:

- **Default storage:** Set the location for saving pictures.
- **Auto Save:** Enable or disable automatic saving of pictures.
- **Guideline:** Enable or disable an on-screen grid to aid in picture composition.
- **Shutter Sound:** Choose a sound to play when you press the Camera key to take a picture.



Night Shot: Enable or disable improved shooting of pictures in low light.



Timer: Set a delay between pressing the Camera key and taking the picture.




Brightness: Set the brightness of pictures.



Gallery: Review pictures saved to My Images.


Taking Videos

1. From a Home screen, press the  Camera key on the right side of the phone, then touch Mode to switch to Camcorder mode.
-

Note: You can also activate the Camcorder by touching **Menu** → **Main Menu 2** → **Camcorder**.

2. The camcorder opens in landscape mode, with Camcorder Options displayed. Tap the screen once to hide the top line icons, or tap twice to hide Camcorder Options. For more information about options, see “*Camcorder Options*” on page 67.
 3. Using the display as a viewfinder, aim the lens on the back of the phone at the subject.
-

Tip: While composing your shot, press the Volume key on the side of the phone up to zoom out, or down to zoom in.

4. Press the  Camera key to start recording. To stop recording, press the Camera key.
5. The video displays, with these options:
 - To discard the new video and return to the Camcorder, touch **Erase**.
 - Touch **Send** to save the video and attach it to a new Video message.
 - Touch **Save** to save the photo to My Videos.

Camcorder Options



Mode: Indicates the current mode. Touch to change to Camcorder mode.



Recording Mode: Choose a shooting mode, from:

- **Normal:** Record a video of any size.
- **Video Msg:** Record a video at 176x144, suitable for attaching to a Video message..



Size: choose a size for videos, from **320x240**, or **176x144** (suitable for attaching to video messages).



Settings →  **Camera:**

- **Quality:** Set image quality.
- **White Balance:** Choose a setting for the light source.
- **Effects:** Choose effects to add to the picture.



Settings →  **Settings:**

- **Default storage:** Set the location for saving pictures.
- **Auto Save:** Enable or disable automatic saving.
- **Start Sound:** Choose a sound to play when recording begins.
- **End Sound:** Set a sound to play when recording stops.



Night Shot: Not configurable for videos.



Timer: Set a delay between pressing the Camera key and starting recording.



Brightness: Set the brightness of pictures.




Gallery: Review videos saved to My Videos.

Section 10: Multimedia

This section describes the Multimedia features of your phone, including applications for creating, viewing, and managing pictures, videos and sounds.

muve music

- ▶ From a Home screen, press the  muve music key.
– or –

From a Home screen, touch **Menu** → **Main Menu 1** → **muve music**.

Note: This device only plays songs downloaded from the muve music service.

Camera

Use Camera to take and send pictures. For more information, see “*Taking Pictures*” on page 63.

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Camera**.
– or –

From a Home screen, touch **Menu** → **Main Menu 2** → **Multimedia** → **Camera**.

– or –

From a Home screen, press the  Camera key.

Tip: The Camera feature can also be accessed through the Multimedia menu.

Camcorder

Camcorder lets you launch and set up your phone's camcorder. For more information, see *"Taking Videos"* on page 66.

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Camcorder**.

– or –

From a Home screen, touch **Menu** → **Main Menu 2** → **Multimedia** → **Camcorder**.

– or –

From a Home screen, press the  Camera key, then touch **Mode** to switch to Camcorder mode.

Tip: The Camcorder feature can also be accessed through the Multimedia menu.



My Images



Use My Images to view, edit and manage pictures stored on your phone or optional installed memory card.

1. From a Home screen, touch **Menu** → **Main Menu 2** → **Multimedia** → **My Images**.

– or –

From a Home screen, touch **Menu** → **Main Menu 1** → **My Images**.

2. From the menu at the top right of the screen, choose **Phone** to view pictures stored in the phone's internal memory, **Card** for pictures stored on an optional installed memory card, or **All**.
3. While viewing a list of images, you can use these options:
 - Touch  to switch to a **Grid** view, or  to switch to **List** view.
 - Touch **Send** to send picture(s) in a Picture message or Via Bluetooth.
 - Touch **Get New Pictures** to browse and download new pictures.
 - Touch **More** for more options:
 - **Camera**: Launch the Camera to take new pictures.
 - **Erase**: Mark and erase selected pictures.
 - **Move**: Move a picture between the phone's memory and the memory card (when an optional memory card is installed).
 - **Copy**: Save a copy of a picture to the phone's memory, or to the memory card (when an optional memory card is installed).
 - **Lock/Unlock**: Lock pictures to prevent erasure, or unlock.
 - **Print**: Print pictures to a paired Bluetooth printer.

4. Touch a picture to view it. While viewing a picture, you have these options:
- Touch  to launch **Zoom** mode. While in Zoom mode, touch and drag your finger up on the picture to zoom in, or touch and drag down to zoom out. Double-tap on the picture to zoom all the way out or all the way in.
 - Touch  to view the picture in **Full screen** mode.
 - Touch **Send** to send the picture in a Picture message or Via Bluetooth.
 - Touch **Set as** to set the picture as Picture ID for a contact, or as a Home screen wallpaper.
 - Touch **More** for more options:
 - **Camera**: Launch the Camera to take new pictures.
 - **Erase**: Erase the picture.
 - **Move to Card**: Move the picture from the phone's memory to the memory card (when an optional memory card is installed).
 - **Copy to Card**: Save a copy of the picture from the phone's memory to the memory card (when an optional memory card is installed).
 - **Rename**: Change the name of the picture (for pictures taken with the Camera).
 - **Lock/Unlock**: Lock the picture to prevent erasure, or unlock.
 - **Print**: Print the picture to a paired Bluetooth printer.
 - **Slideshow**: View pictures as a slideshow.
 - **Image Info**: View information about the picture.

My Videos



Use My Videos to view, edit and manage videos stored on your phone or optional installed memory card.

Tip: Your phone can play MP4 videos with a maximum resolution of 320x240.

1. From a Home screen, touch **Menu → Main Menu 2 → Multimedia → My Videos.**

– or –

From a Home screen, touch **Menu → Main Menu 1 → My Videos.**

2. From the menu at the top right of the screen, choose **Phone** to view videos stored in the phone's internal memory, **Card** for videos stored on an optional installed memory card, or **All**.
3. While viewing a list of videos, you can use these options:
 - Touch  to switch to a **Grid** view, or  to switch to **List** view.
 - Touch **Send** to send video(s) in a Picture message or Via Bluetooth.
 - Touch **Erase** to erase videos.
 - Touch **Move** to move videos between the phone's memory and an optional installed memory card.
 - Touch **More** for more options:
 - **Camcorder:** Launch the Camcorder to take new videos.
 - **Copy:** Save a copy of a video to the phone's memory, or to the memory card (when an optional memory card is installed).
 - **Lock/Unlock:** Lock videos to prevent erasure, or unlock protection.

4. Touch a video to view it. While viewing a video, you have these options:
- Touch  to play the video. Touch  to pause playback. Touch  to move backward in the video, or touch  to move forward.
 - Touch **Send** to send the video in a Video message or Via Bluetooth.
 - Touch **Erase** to erase the video.
 - Touch **Full screen** to view the video full-screen.
 - Touch **More** for more options:
 - **Camcorder**: Launch the Camcorder to take new videos.
 - **Move to Card**: Move the video from the phone's memory to the memory card (when an optional memory card is installed).
 - **Copy to Card**: Save a copy of the video from the phone's memory to the memory card (when an optional memory card is installed).
 - **Rename**: Change the name of the video filename.
 - **Lock/Unlock**: Lock the video to prevent erasure, or unlock to remove protection.
 - **Video Info**: View information about the video.

My Ringtones

Use My Ringtones to assign ringtones for incoming calls, as a ringtone for a contact, or as alert tones.





1. From a Home screen, touch **Menu** → **Main Menu 2** → **Multimedia** → **My Ringtones**.
2. Touch **Set as** to set a ringtone as:
 - **Ringtone**: The default ringtone for incoming calls.
 - **Contact ID**: The ringtone for calls from a selected contact.
 - **Alert Tone**: The tone for alerts to All Messages, TXT messages, Picture-Video Messages, or Voicemail Messages.
3. While viewing ringtones, you have these options:
 - Touch **Send via BT** to send a ringtone via Bluetooth to a paired device (only available for unprotected ringtones).
 - Touch **Erase** to delete ringtones.
 - Touch **More** for more options:
 - **Move**: Move a ringtone between the phone's memory and the memory card (when an optional memory card is installed).
 - **Copy**: Save a copy of a ringtone to the phone's memory, or to the memory card (when an optional memory card is installed).
 - **Lock/Unlock**: Lock the ringtone to prevent erasure, or unlock to remove protection.
 - **Ringtone Info**: View information about the ringtone.

My Sounds

Use My Sounds to assign sounds as ringtones for incoming calls, as a ringtone for a contact, or as alert tones. You can also create new sounds.

1. From a Home screen, touch **Menu** → **Main Menu 2** → **Multimedia** → **My Sounds**.
2. Touch **Record New** to create a new sound. For more information, see see *“Recording Sounds”* on page 77.
3. Touch **Erase** to delete unprotected sounds.
4. Touch **Lock/Unlock** to lock sounds to prevent erasure, or unlock to remove protection.
5. Touch a sound to play it. While listening to a sound, you have these options:
 - Touch  to play the sound. Touch  to pause playback. Touch  to move backward in the sound file, or touch  to move forward in the sound file.
 - Touch **Record New** to record a new sound.
 - Touch **Send** to attach the sound to a Picture message.
 - Touch **Set as** to assign the sound as a Ringtone, as a Contact ID ringtone, or as an Alert tone.
 - Touch **Sound Info** to view information about the sound.

Recording Sounds


1. From a Home screen, touch **Menu** → **Main Menu 2** → **Multimedia** → **My Sounds** → **Record New**.
2. Select **Until Memory Full** to record a sound of any length, or **Limit for Message** to create a sound suitable for attaching to a message (1 minute).
3. To begin a new recording, touch . To pause recording, touch . To continue recording, touch  again.
4. To stop a recording and save it, touch .

Section 11: Tools

This section explains how you can use your phone's tools to view today's calendar, schedule appointments, set an alarm, perform calculations, and more.

Voice Service

Your R710 includes Nuance[®] Voice Service, state-of-the-art voice recognition software that recognizes your spoken commands to dial numbers, create messages, and launch phone features. For more information, see “*Voice Service*” on page 60.

- ▶ From a Home screen, press and hold the  Lock/Voice Service key on the right side of your phone.

Bluetooth

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet, without requiring a physical connection. Your phone supports Bluetooth 2.0.

Tip: Bluetooth features can be accessed through the Tools menu or Main Menu 1.

Bluetooth Services

Your phone includes information about supported Bluetooth services.

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Bluetooth** → **BT Services**.

Turning Bluetooth On / Off

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Bluetooth** → **Turn Off** or **Turn On**.

Pairing With a New Device

1. From a Home screen, touch **Menu** → **Main Menu 1** → **Bluetooth**.
2. Touch **Turn On** to turn on Bluetooth service.
3. Place the target device in discovery mode. (See the target device's user manual for more information.)
4. On your phone, touch **Search**. Your phone will search for discoverable devices and display them.
5. Touch and drag a device to the Bluetooth icon to begin pairing. Your phone will attempt to automatically pair with the device.

If automatic pairing fails, enter a passkey (create one, or enter the target device's passkey) at the prompt. You may also be prompted to enter the same passkey on the target device. For more information on pairing headsets and handsfree units, refer to the device's user manual.

Bluetooth Settings

Use Bluetooth Settings to set your phone's Bluetooth visibility, and view and set information about your phone's Bluetooth capabilities.

1. From a Home screen, touch **Menu → Main Menu 1 → Bluetooth → Settings**.
2. Configure these settings:
 - **My Phone's Name:** View the default name. Touch to enter a new name.
 - **Discovery Mode:** Touch On to allow other devices to detect your phone, or Off for no visibility.
 - **Address:** View your phone's Bluetooth address (not configurable).

Calendar

Calendar allows you to view the current, past, or future month in calendar format, and schedule events. While viewing the calendar, the current date is highlighted, and days with scheduled events are surrounded by a box.

- ▶ From a Home screen, touch **Menu → Main Menu 1 → Calendar**.

Memo Pad

Create notes and store them in Memo Pad. Return to Memo Pad anytime to review and edit your notes.

- ▶ From a Home screen, touch **Menu → Main Menu 2 → Memo Pad**.

Alarm Clock

Alarm Clock lets you set up to four alarms to sound once, or to recur daily at specific times. Once set, an alarm is easy to change or turn off completely.

- ▶ From a Home screen, touch **Menu → Main Menu 1 → Alarm**.
-

Note: The alarm doesn't function when the phone is turned off. If the time for an alarm that was set for Daily has passed while the phone is off, the alarm sounds at the next specified time.

World Time

World Time lets you view the time in four of the 24 time zones around the world. Select time zones by city and/or country name.

- ▶ From a Home screen, touch **Menu → Main Menu 2 → Tools → World Time**.
-

Note: World Time requires your Wireless Provider's digital service.

Calculator

You can perform calculations, including addition, subtraction, multiplication and division using your phone.

- ▶ From a Home screen, touch **Menu → Main Menu 2 → Calculator**.
-

Tip: The Calculator feature can also be accessed through the Tools menu.

Stopwatch

Stopwatch provides a timer that you can use to record event times and/or to record lap times.

- ▶ From a Home screen, touch **Menu** → **Main Menu 2** → **Stopwatch**.

Tip: The Stopwatch feature can also be accessed through the Tools menu.

Timer

Timer provides a count down timer settable for a count lasting from 1 second to 24 hours.

- ▶ From a Home screen, touch **Menu** → **Main Menu 2** → **Tools** → **Timer**.

Converter

The Converter converts values for currency, length, weight, volume, area, or temperature. In the currency converter, you can edit or add currency exchange rates.

- ▶ From a Home screen, touch **Menu** → **Main Menu 2** → **Tools** → **Converter**.

Tip Calculator

Tip Calculator allows you to calculate a percentage amount for a tip, and the total due for multiple payers.

- ▶ From a Home screen, touch **Menu** → **Main Menu 2** → **Tools** → **Tip Calculator**.

Device Search

Device Search lets you search by name for items stored on your phone

- ▶ From a Home screen, touch **Menu → Main Menu 2 → Device Search**.

Tip: The Device Search feature can also be accessed through the Tools menu.

Section 12: Settings

This section explains how to configure your phone's language, network preferences, security options, and other settings.

To access settings:

- ▶ From a Home screen, touch **Menu → Main Menu 1 → Settings**.

Location

Specify whether your phone passes your GPS (Global Positioning System) location to the network continually, or only when you make an emergency call.

Note: Check with your Wireless Carrier for information about availability of location-based services.

1. From a Home screen, touch **Menu → Main Menu 1 → Settings → Location**.
2. Touch an **Location On** or **911 Only**, then touch **OK**.

Widget

Select widgets for display in the Widget Tray, and enable or disable network access for online widgets.

1. From a Home screen, touch **Menu → Main Menu 1 → Settings → Widget**.
2. Scroll the list and touch widgets to select them. The following Widgets are available:
 - **muve music**
 - **Shazam**
 - **Mybackup**
 - **Facebook**
 - **YouTube**
 - **airG**
 - **Accuweather**
 - **Date**
 - **Help**
 - **Storefront**
 - **Navigator**
 - **Bubble Bash2**
 - **MySpace**
 - **Google Search**
 - **Mocospace**
 - **USA Today**
 - **Calculator**
 - **My Account**
 - **Email**
 - **Guitar Rock Tour**
 - **twitter**
 - **Univision**
 - **Celebrity News**
 - **Clock**
 - **Calendar**

Display Settings

Change your phone's display to better meet your needs.

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Settings** → **Display Settings**. The following settings are available:
 - **Wallpaper:** Choose images to appear as background in each of the Home screen panels.
 - **Banner:** Create a personalized text greeting to appear on all Home screen panels.
 - **Backlight:** Select values for the Backlight Time and Brightness options.

Sound Settings

Customize your phone's audio properties, such as ringtones, keypad tones, alerts, start up melody, and more.

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Settings** → **Sound Settings**. The following settings are available:
 - **Volume:** Set the Master Volume for all sounds produced by your phone, and set volumes for Messages and Touch feedback.
 - **Ringer Type:** Set ringers for Voice Calls, Text Messages, Pic/Video messages, and Voicemail notifications.
 - **Alerts:** Enable or disable tones to sound for each Minute during a call, when you are Roaming away from your home network, when calls connect, or when you turn your phone on or off.
 - **Key Tone:** Set the Level (volume) and Length of tones for key presses.
 - **Vibrating Alert:** Set your phone to vibrate for notifications and alerts.

Call Settings

Set options for calls, such as types of call alerts, ways to answer incoming calls, TTY Mode and data connections.

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Settings** → **Call Settings**. The following settings are available:
 - **Call Answer:** Choose how to answer incoming calls; by pressing Any Key, or by pressing the Send key.
 - **Call Alert:** Choose how your phone alerts you to incoming calls: by Ringing Only, by displaying Caller ID information and Ringing, or by saying and displaying a caller's Name Repeatedly.
 - **Auto Answer:** Choose whether your phone answers incoming calls automatically when connected to a Handsfree accessory (wired or Bluetooth).
 - **Speed Dial:** Enable or disable Speed Dialing.
 - **Auto Retry:** Select whether and how often the phone will automatically redial calls that are not answered.
 - **TTY Mode:** Enable or disable TTY mode, and choose TTY Full, TTY + Talk (VCO), or TTY + Hear (HCO) modes.
 - **Voice Privacy:** Choose Standard or Enhanced voice encryption for increased privacy (depends on network availability).
 - **Data Settings:** Disable Data connections, enable only for the Next Call, or enable data connections until you Power Off the phone.
 - **Hearing Aid Mode:** Enable or disable Hearing Aid Mode, for use with hearing aid devices. (Disable to extend battery life.)

Phone Settings

Customize the phone's operation to your preferences.

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Settings** → **Phone Settings**. The following settings are available:
 - **Airplane Mode:** Activate or deactivate Airplane Mode. When activated, all communications functions of your phone are disabled, but other features are available.
 - **Language:** Select from English or Español for use by the phone.
 - **Vibration Feedback:** Choose whether your handset vibrates when you touch an item on the screen, and set the vibration intensity.
 - **Auto Screen Lock:** Choose whether the screen locks to preventing input when the Backlight goes out. (See also *Backlight* on page 86.)
 - **Security:** Lock your phone, change the lock code, set up emergency numbers, enable or disable emergency ringback, set restrictions, and other security options. These settings require the phone's lock code.
 - **System Select:** Choose whether your phone Automatically selects an available network when you roam outside of your Home area, or restrict the phone to your home network with Home Only.
 - **Set Time:** Select the current Date and Time. These settings are disabled while your phone has digital network service.
 - **PC Connection:** Choose how your phone interfaces with a PC when connected via a USB data cable, as a USB Mass Storage device or as a USB Modem.
 - **Gesture:** Choose whether your phone mutes incoming notifications or alert when you turn the phone face-down, and whether shaking the phone resets Home screen widgets to the open Widget Tray.

Memory Manager

View memory usage statistics, and choose default storage locations.

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Settings** → **Memory Manager**. The following settings are available:
 - **Phone Memory Usage:** Review usage statistics for your phone's internal memory.
 - **Card Memory Usage:** Review usage statistics for an optional installed memory card.
 - **Save Options:** Set the location for saving images, videos and ringtones, to the phone's memory, or to an optional installed memory card.
 - **Phone Memory:** View and manage files in your phone's memory.
 - **Card Memory:** View and manage files stored on an optional installed memory card, including formatting of memory cards.

Phone Info

View information about your phone.

- ▶ From a Home screen, touch **Menu** → **Main Menu 1** → **Settings** → **Phone Info**. The following options are available:
 - **Phone Number:** Display your phone number.
 - **Icon Glossary:** Display a list of all icons used in your phone's displays.
 - **Version:** Display the phone's hardware and software versions.
 - **ESN / MEID:** View your phone's Electronic Serial Number (ESN) and Mobile Equipment Identifier (MEID).
 - **Warranty Date Code:** Display the warranty date and time code.
 - **Refurbish:** Display the date and time the phone was last refurbished and the number of times the phone has been refurbished.

Section 13: Health and Safety Information

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government.

These FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram

(W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- **Head:** 0.94 W/Kg.
- **Body-worn:** 0.49 W/Kg.

SAR information on this and other model phones can be viewed online at <http://www.fcc.gov/oet/ea>. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Please Note the Following Information When Using Your Handset

1. 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.

2. **WARRANTY DISCLAIMER: PROPER USE OF A TOUCH SCREEN HANDSET**

If your handset has a touchscreen display, please note that a touchscreen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touchscreen may damage the tempered glass surface and void the warranty. For more information, please refer to the “*Standard Limited Warranty*” on page 126.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile phones and genuine Samsung accessories.

Go to: <http://mobile.samsungusa.com/recycling/index.jsp> or 1-800-822-8837 for more information.

UL Certified Travel Adapter

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies.

When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power

levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user.

In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not

similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures.

However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations.

CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body

during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims.

According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (Updated 1/1/2010):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>
- Environmental Protection Agency (EPA):
<http://www.epa.gov/radiation/>
- Occupational Safety and Health Administration's (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/index.html>
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>
- World Health Organization (WHO):
<http://www.who.int/peh-efm/>
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>
- Health Protection Agency:
<http://www.hpa.org.uk/radiation>
- US Food and Drug Administration:
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a

minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.ctia.org.

Important! If you are using a handset other than a standard numeric keypad, please call 1-888-901-7233.

Provided by the Cellular Telecommunications & Internet Association.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth or other wireless devices). Exposure to very loud sound has also been associated in some

studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing.

Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings and equipment.

You should follow some commonsense recommendations when using any portable audio device:

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.

- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: <http://www.audiology.org>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet: <http://www.nidcd.nih.gov/>

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4647)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet: <http://www.cdc.gov>

1-888-232-6348 TTY

Internet: <http://www.cdc.gov/niosh/topics/noise/default.html>

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety

of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless phone and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the phone more than six (6) inches from their implantable medical device when the phone is turned ON;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place;

- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless phone with such a device, consult your health care provider.

For more information see:

<http://www.fcc.gov/oet/rfsafety/ef-faqs.html>

FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

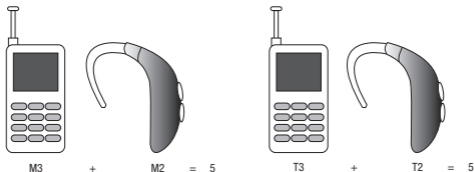
The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.


Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press the  key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

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 or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association:

NFPA (National Fire Protection Agency)

1 Batterymarch Park

Quincy, Massachusetts

USA 02169-7471

Internet: <http://www.nfpa.org>

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.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

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 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.

Maintaining Your Phone's Peak Performance

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

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

- To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call. For more information, refer to *“Turning Bluetooth On / Off”* on page 79.
- If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.
- Do not hold, bend or twist the phone's antenna, if applicable.
- Do not use the phone if the antenna is damaged.
- If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit call performance.
- Speak directly into the phone's receiver.
- 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 is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Do not modify or remanufacture the battery as this could result in serious safety hazards.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Follow battery usage, storage and charging guidelines found in the user's guide.

- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, leakage, or other serious hazard.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully

charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).

- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.

- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- If your phone is equipped with an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Section 14: Warranty Information

Standard Limited Warranty

What is Covered and For How Long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("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	90 Days
Holster	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, abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, neglect, unusual physical, electrical or electromechanical stress, or defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts unless caused by SAMSUNG; (b) defects or damage resulting

from excessive force or use of a metallic object when pressing on a touch screen; (c) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (d) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (e) malfunctions resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (f) defects or damage from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (g) defects or damage from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake, or from exposure to weather conditions, or battery leakage, theft, blown fuse, or improper use of any electrical source; (h) defects or damage caused by cellular signal reception or transmission, or viruses or other software problems introduced into the Product; (i) any other acts which are not the fault of SAMSUNG; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG 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 original date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are The Limits On Samsung's Warranty/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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Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Samsung Telecommunications America, LLC:

1301 East Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG (726-7864)

Important! If you are using a handset other than a standard numeric keypad, dial the numbers listed in brackets.

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