

SCH-i830 Series

Global Quadband Pocket PC Phone

User Guide

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



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Section 1: Getting Started

Topics Covered

- Activating your phone
 - Setting Up Voicemail
 - Understanding this User Manual
-

This section allows you to start using your phone by activating your service, setting up your voice mail, and getting an understanding of how this manual is put together. For more information contact your service provider.

Activating Your Phone


If you have **upgraded** your phone to the i830 from an existing Verizon Wireless phone, you will need to call Verizon Wireless to have it activated and move your existing mobile number to your new Samsung i830 Global phone.

If you are a **new** Verizon Wireless customer and the mobile number assigned to the phone is new, simply insert the SIM card and dial *228 to program your phone. If you have any questions, please call Verizon Wireless.



To activate your phone, follow these steps:



1. Visit a Verizon Wireless Store and have your phone activated, or visit www.verizonwireless.com and place your cursor on the **MY ACCOUNT** tab available on the home page.
2. When the drop-down menu displays, select **ACTIVATE PHONE** to display instructions needed to activate your phone online.
3. After gathering the required materials, select the **Activate New Phone** link and follow the online directions to complete the activation process.


Setting Up Your Voicemail

All unanswered calls to your Samsung i830 are sent to voicemail, even if your device is turned off. Therefore, you'll want to set up your voicemail and personal greeting as soon as you activate your i830. Your service provider has assigned your voicemail number to the  key.

Set up Voicemail (CDMA)




1. Press , located on the bottom front of the phone, to display the phone screen.
2. Tap and hold  to dial the voicemail system.

Note: Use of the  key is reserved for speed dialing voicemail. To dial voicemail without using speed dial, simply dial your own phone number and when the system answers, enter your password and press .


3. When the system answers, enter your password and then tap .
4. Follow the prompts to setup your voicemail.

Set up Voicemail

Voice mail setup (GSM mode)



1. In standby mode, press and hold , a "+" displays.
2. Press  again, then enter your own mobile number to dial voice mail.
3. Press  to interrupt the greeting.
4. Follow the prompts in the new user tutorial to setup your mailbox.

Check Voicemail (CDMA Mode)





1. Tap the alert icon  at the top of the screen.

Note: The alert icon is displayed when more than one alert is available.

2. Tap the voice mail icon . You can also tap and hold  to speed dial voicemail.

3. Tap the **Voice Mail** button to connect.
4. When the voicemail system connects, enter your password and then tap .
5. Press  to listen to your messages.

Check Voicemail (GSM Mode)

1. In standby mode, press and hold the  soft key or dial +  and your own mobile number to dial voicemail. After Connecting a recorded message prompts you to press  if you have a mailbox on the system. You will then be prompted to enter your 10 digit mobile phone number.
2. Enter your 10 digit mobile phone number.
3. When you hear the voice greeting, press , enter your password, and follow the recorded prompts.

Understanding this User Manual

The chapters of this guide generally follow the same order as the menus and sub menus in your phone. A robust index for quick reference to most features begins on page 221.

Also included in this manual is important safety information that you should know before using your phone. Most of this information is near the back of this guide, beginning on page 187.

Section 2: Understanding Your Phone

Topics Covered

- Features of Your Phone
 - Front View of Your Phone
 - Closed View of Your Phone
 - Key Features and Command Keys
 - Locking Your Samsung SCH-i830
 - Display Icons
 - Installing Your SIM Card
 - Battery
-

This section outlines many key features of your phone. It also describes the display icons, frequently used command keys, your display, and how to install your battery.

Features of Your Phone

Congratulations on your purchase of the Samsung SCH-i830. The i830 uses the Microsoft Windows Mobile™ 2003 software for Pocket PC Phone Edition, which supports thousands of applications. Using ActiveSync®, you can keep your PC and i830 synchronized at all times. The features listed below are just a sample of what your SCH-i830 has to offer. You should read this guide to understand the many features that this phone supports and keep it handy for reference.

Key Features of the SCH-i830

- Large 240x320 pixel, 65k color TFT screen
- Wireless Internet Capability
- 1X/EVDO/GSM/GPRS Capability
- Global Positioning System (GPS)
- Windows Mobile™ 2003 Software for Pocket PC Phone Edition, 2nd Edition
- 2-Way Text Messaging
- Email Message Service
- Secure Digital Expansion Slot (SD I/O)
- Advanced Speech Recognition Technology
- Voice Memo
- Built-in Bluetooth Wireless Technology
- LED (Green: System, Red: Phone, Blue: Bluetooth, Purple: Battery Charging)
- GSM/GPRS-International standard for cellular communication

- Integrated QWERTY Keyboard

Front View of Your Phone



Section 2

Key Functions

1. Receiver: The receiver allows you to hear the other caller when using your phone.

2. **Title Bar:** The Title bar at the top of the screen displays the active program, wireless status, and current time, and allows you to close screens. Use the Start menu to select a program.
3. **Today Screen:** This screen displays all the information needed to operate your phone.
4. **Headset Jack:** Built-in stereo headset jack.
5. **Voice Notes Key:** This key launches the voice notes option which allows you to record voice notes and save them on your phone.
6. **Volume Key:** Allows you to adjust the ringer volume in standby mode (with the slider open) or adjust the voice volume during a call. To mute the ringer during an incoming call, press the volume key up or down.
7. **4-Way Navigation Key:** This key allows you to scroll through the phone menu options.
8. **Send Key:** This key is used to initiate your calls or to activate your phone feature.
9. **PDA Power/Key Lock:** Use to turn your PDA device on and off or lock your built-in keyboard.
10. **Built-in QWERTY Keyboard:** Use these keys to enter numbers, letters, and characters.
11. **Power/Accessory Interface Connector:** Used to plug in the charging accessories and also connect any available accessory cables to your phone.
12. **Back Key:** Cancels the current function, or if in a menu, this key steps back through previous menus.

- 13.** End Key: Ends a call. Press and hold this key for a few seconds to turns the radio On or Off. When you receive an incoming call, press to mute the ringer and send the call to voicemail.
- 14.** SD Card I/O Slot: This I/O expansion slot allows you to insert an SD memory card to add additional memory and storage capacity.
- 15.** Action Key: Pressing when navigating through a menu selects the highlighted choice in the menu.
- 16.** Status Icons: These icons indicate, current signal strength, and the availability of many other features and functions of your phone.

Closed View of Your Phone



Section 2


Key Functions

1. IrDA/LED: Used to exchange data and information between your phone and another device using infrared signaling. Also indicates when certain features are active on your phone such as Bluetooth wireless technology.
2. Context Menu Key: Launches menus or other option screens for the currently highlighted choice on your display.


3. Calendar Key: Launches your Calendar feature when selected.
4. Reset Button: Resets your phone and ends all applications currently running.
5. Microphone: The Microphone allows other callers to hear you clearly when you speak to them.
6. Contacts Key: Launches your Contacts feature when selected.
7. Launcher Key: Displays the Launcher menu when selected.
8. Antenna: Your phone's built-in antenna.

Command Keys

Powering On

To power up the i830, press the  key down until the backlight comes on. The PDA Power key is located on the lower left side of your phone.

Note: If you push the PDA Power key to its upper position, you will lock all keys, except for Send/End/Volume, which work during calls. Set the key in its center position to unlock.

Follow the steps on the display screen to calibrate the device. To turn your phone off, press and hold  until the backlight turns off.

Your Pocket PC's Keypad

The keys of the i830 are functionally divided into three groups. The Navigation keys, Alpha-numeric keypad, and Hot keys.

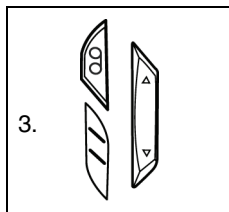
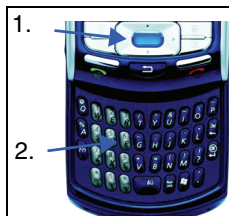
1. 4-Way Navigation Key:


Access and scroll through menus and lists, confirm changes that you've entered, and interact with menus that appear in the display.

2. Built-in QWERTY Keyboard:


Enter text, numbers, and symbols.

- 3. Hot keys:** Located on both sides of the SCH-i830 Pocket PC. Used to launch applications, increase volume, power the SCH-i830 Pocket PC on and off, and more.

**Send Key**


Press  at the Today screen to display the phone screen, or to dial a call after you have entered a telephone number.

Back Key


Press the  key to close the current menu and return to a previous menu or screen. The Back key also cancels some functions like composing a message or exiting Launcher.



Navigation/Action Key

Use any of the four directional arrows on the Navigation/Action key to scroll through and highlight items, menus,


and programs in a list or on the Internet. Once an item, link, or menu is highlighted, press the action  key to perform the function related to the selection.

Voice Notes Key

Briefly press the Voice Notes Key  to record or display any recordings that you have made. You have the option of recording a new memo or playing a stored memo.

When your memo list displays, either highlight the recording you want and tap  to play the memo, or simply tap  and speak clearly into the your phone's microphone to record a new memo.

Volume Keys

Press and release the up or down volume keys  to adjust audio volume for any screen.


Note: The volume can only be adjusted when the screen is active.

Locking Your Pocket PC

When you lock your phone, it requires a password to return to normal operation. When a password is set up, the phone can be locked immediately or configured to lock when the screen blanks out.


Lock the i830

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**. The **Personal** tab is highlighted.
3. Tap **Password**.
4. Tap the check box next to **Prompt if device unused for**.

5. Tap the drop down arrow to select the amount of unused time before you are prompted for a password.
6. Select one of the following options:
 - Simple 4 digit
 - Strong alphanumeric
7. Tap the **Password** box and enter the password you want.
8. Tap , then tap **Yes** to confirm.


Unlock the i830

To unlock your phone:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**. The **Personal** tab is highlighted.
3. Tap **Password**.
4. Tap your password on the keypad. If you enter the correct password, you're returned to the Password screen.
5. Tap the box to the left of **Prompt if device unused for** to remove the check mark.
6. Tap , then tap **Yes** to confirm.

Password Hint

Use the Hint feature to provide a password hint in case you forget your password.









1. At the **Password** screen, tap the **Hint** tab.
2. Enter a hint for your password in the dialogue box.
3. Tap  to save your settings and exit.


Note: The password hint you set will only appear after four consecutive incorrect password entries.


Display Icons


Various icons appear in your Pocket PC's displays or Title Bar during operation. The following table lists these icons as well as their descriptions.


Icon Definition

- | | |
|---|---|
|  | Indicates signal strength. More bars mean better signal. |
|  | Indicates GPS is on for location. |
|  | Indicates GPS for 911 is active. |
|  | Indicates your device is in Flight mode and your cellular radio is turned off (i.e. the phone is turned Off but the PDA is On). |
|  | Indicates the system speaker for the selected profile is set to On. |
|  | Indicates the system speaker for the selected profile is set to Off. |
|  | Indicates the ringer for the selected profile is set to Vibrate. |
|  | Indicates your Pocket PC is charging. |


 Indicates the 1xRTT high speed data transfer protocol is supported.


 Ev-Do protocol: Indicates your phone has high speed data services, for video streaming and downloads.


 1X EV-DO(icon): Indicates your phone is hybrid (1X and EV-DO) mode.

 Your phone is outside your home area. While roaming, another wireless provider may be handling your call. The service rate for the call may be higher than those made from within your home area. Please refer to Verizon Wireless for roaming rates. .


Note: The roaming indicator may not work in GSM networks.

 Indicates ActiveSync or a Data Session is currently in use.

 Indicates two or more message icons are being displayed, your battery charge is low, or you have missed a call.

 Indicates you have a new text message. If you tap this icon, a window is displayed that allows you to access the Inbox.

 Indicates you have a new voicemail message. If you tap this icon a window is displayed that allows you to listen to new voicemail messages.

 Indicates you have a missed call. If you tap the icon a window is displayed indicating the number of calls missed. It also gives you the ability to view the missed call information.



Indicates your Pocket PC is in Speakerphone mode.



Indicates that Voice Privacy is available.



Indicates the status of the Bluetooth radio, either On or Off..



Indicates the key is locked.


Intalling Your SIM Card

Before you can use the GSM features in your phone, you'll need to install a SIM card. SIM cards are provided by Verizon Wireless.

1. With the battery removed from the phone, insert the SIM card face down into the slot provided.
2. Slide the SIM card as far as possible to the right, beneath the SIM card retaining brackets.
3. Once the card is secured in the SIM slot, install the battery as outlined in the following section, then turn the phone on.



Remove the SIM card

Note: Press and hold  to turn off the phone (if on).

1. Remove the battery.
2. Slide the SIM card to the left, then lift to remove.



Important: Please handle the SIM card on its sides. Avoid touching the circuits as this may cause damage to the SIM.

Important: Verizon Wireless has provided a unique SIM card to be used with your SCH-i830.

Battery

The i830 comes with a standard rechargeable battery, power accessory, and headset.

Note: The battery for the i830 can be charged before it is fully drained without causing damage.

Install the Battery

1. Place the battery on the back of the phone, making sure the plastic tabs are aligned with the corresponding holes in the phone.

2. Gently push the battery up until it snaps into place.



Remove the Battery

1. Slide the battery release latch to the left.
2. Lift the battery up and to the left to remove.



Charge the Battery

Note: The i830 comes with a rechargeable battery. Fully charge this battery before using your phone.

Your phone is powered by a rechargeable standard Li-ion battery. Only use Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Checking Battery Charge

Keeping track of the battery's charge is important. If the battery level becomes too low, your phone automatically shuts down and you could lose important data. For a quick check of your phone's battery level, tap the time located in the upper right corner of the screen. A battery icon is displayed in the Time and Next Appointment window.

To perform a battery check using the drop down menu:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**.
3. Tap the **System** tab at the bottom of the screen.
4. Tap **Power**.

Battery Capacity

When the battery becomes low, a warning window displays and the backlight turns off.

Note: Long backlight settings, searching for service, vibrate mode and browser use affect the battery's talk and standby times.

There is also an internal backup battery that saves all settings in the phone if the regular battery is discharged. An internal backup battery needs an initial charge of 24 hours.

The internal battery maintains data for about four hours. Perform ActiveSync operations or a backup utility frequently to avoid losing any information in case the battery is fully discharged. For more information see "ActiveSync®" on page 152.

A blue rounded rectangle with a black border, containing the text "Section 2" in white.

Section 2


Section 3: Call Functions


Topics Covered

- Making a Call
 - Phone Modes
 - Answering a Call
 - Using the Speakerphone
 - Your Phone Number
 - Call Log
 - Roaming
 - TTY
 - VoiceSignal
-




This section describes how to make or answer calls. It also includes the features and functionality associated with using your phone, as well as explaining the voice command feature built into your Samsung SCH-i830.

Making a Call

There are several ways to make calls on your new i830. You can use speed dial, voice dial, call history, or simply enter the desired number and tap .

Note: Keys, such as , are referred to as “soft” keys because they are not part of the hardware. Soft keys are touch-sensitive keys, appear in your display, and change function according to the feature being used.

Place a Call Using Soft Keys

1. Set the PDA Power key to its middle position.
2. With the slider down, tap **Start**, then select **Phone** from the drop down menu or Press the  key to access the dialer.
3. Tap the desired number using the stylus. If you make a mistake while dialing, tap . If you tap and hold , all digits are cleared and you can start over.

Note: Always use the stylus when touching the screen to avoid scratching or damage caused by other instruments.

4. Tap . The number is dialed.

Dialing Emergency Numbers

You can dial any of the numbers 911, *911, or #911 to place an emergency call.




If your phone is in Verizon CDMA mode, dial 911, *911, or #911, then press .

If your phone is in Int'l GSM mode, dial 911, then press .


Note: If you dial 112 or 999 while in Int'l (GSM) mode, your phone dials the emergency number immediately (no prompt).

Placing GSM International Calls

Call the U.S. from another country

1. In standby mode, press and hold  to display the “+” symbol. The “+” symbol automatically inserts the exit code for the country from which you are calling.
2. Press  to insert the U.S. country code, then enter the area code and number.
3. Press . The number is dialed.

Calling Internationally from another country (GSM Only)

1. In standby mode, press and hold  to display the “+” symbol. The “+” symbol automatically inserts the exit code for the country from which you are calling.
2. Enter the country code of the person you are calling.
3. Enter the area code, without the leading zero, followed by the number of the person you are calling. Please note there are some exceptions for leaving out the leading zero such as Italy, Finland and Spain.

Phone Modes


Your phone is capable of operating in a number of countries on both CDMA (Code Division Multiple Access) and GSM (Global Systems for Mobile) networks. While in the United States or on other CDMA roaming networks, use your phone in Verizon (CDMA) mode. Use your phone in Int'l (GSM) mode while in countries

served by GSM network. For a complete list of countries, please visit www.verizonwireless.com.

Note: When your phone is in Verizon (CDMA) mode, it does not necessarily mean that you are on the Verizon Wireless Network. You may roam on certain other carriers' CDMA networks domestically and internationally when your phone is in Verizon (CDMA) mode. For more information, see www.verizonwireless.com.

1. With the slider down, tap **Start** and tap **Settings**.
2. The Personal tab is highlighted. Tap **Service Mode**. The following options appear in the display.
 - **Int'l GSM**
 - **VZW CDMA**
3. Tap desired mode of operation, then press **OK**. A dialogue box appears in the display asking if you wish to reset modes.
4. Type **Yes** to confirm and press **OK**. Tap **Cancel** to return to the previous screen.
5. If you pressed **OK**, the phone restarts and powers up in the selected mode of operation.


Place a Call Using the Keypad

1. Extend the slider up, then enter the number using the keypad.
2. Press . The number is dialed.



One-handed Dialing

One handed dialing allows you to make a call while using just one hand. To make a call:

1. Press the Contacts  button.



2. Use the up or down navigation key to select the contact entry you want to dial, then press .

Note: If you press and hold the OK/Navigation key down, letters are displayed that will automatically display the first entry beginning with that letter.

3. Use the up or down navigation key to select the number you want to dial, then press  to display the number in the phone screen.
4. Press  again to dial the number.

Answering a Call




Make sure that the phone is turned on.

- When you receive an incoming call, the **Phone Incoming** screen is displayed. Tap **Answer** or the  soft key, press the  **Send** key to answer the call, or tap **Ignore** to let the call go to voicemail.


Note: When you receive a call, you can silence the ringer by pressing the volume key on the side of your phone.

Using the Speakerphone

The speakerphone allows you to speak to others without the need to hold the phone to your ear.

1. While in a call, press and hold  to activate the speakerphone. The speakerphone icon  appears in the top of the screen.
2. To deactivate the speakerphone, press and hold  again.

Display Your Phone Number

1. Tap **Start**, then select **Phone** from the drop down menu.
2. Tap **Tools**, then select **Options**.
3. The **Settings** screen displays with your phone number at the top of the screen.
4. Tap  to exit.


Call History

When a call is received, made, or missed a record of the call is saved with all the available information in Call History. The Call History logs are:


- All Calls - Displays all calls, missed, outgoing, incoming and by caller.
- Missed - Displays any missed calls.
- Outgoing - Displays all outgoing calls made from your phone.
- Incoming - Displays all the incoming comes that were answered.
- By Caller - Allows you to select an entry from the contacts and then displays any call information related to the contact.

If you tap the entry, the time, date, and duration of the call appears in the display.

To access the Call History menu, follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Phone** from the drop down menu.
3. Tap  to display the Call History menu.

Place a Call Using Call History

1. From the phone screen, tap .

2. Tap the drop down arrow in the upper left corner and select the desired call log list.
3. Tap the phone icon located to the left of the entry to make a call.
4. When finished, tap **OK**.

Call History Options

Call log options allows you to view the call times for all calls and recent calls. You can also set the amount of time to keep call log items before they are deleted. To access the call log options:




1. From the phone screen, tap **Call History**.
2. Tap **Tools** and select **Call Timers**.
3. Tap the drop down arrow under **Delete call history items older than** and select the option you want.
4. Tap **OK** to exit.

Create a Contact Using Call History

1. From the phone screen, tap **Call History**.
2. Tap the drop down arrow in the upper left corner and select the desired call history list.
3. Tap and hold on the desired entry. Select **Save to Contacts** from the menu.
4. Enter the contact information.
5. When finished, tap **OK**.

Deleting Call History Entries

To delete call history entries:

1. From the phone screen, tap  .
2. Tap the drop down arrow and select the desired call history list you want.
3. To delete a call from the list, tap and hold the entry you want to delete, then tap **Delete** from the pop-up menu.
4. Tap **Yes** to confirm the deletion, then tap  to exit.
5. To delete all calls in the call list, tap **Tools** and select **Delete all calls**.
6. Tap **Yes** to confirm the deletion.
7. Tap  to exit and return to the phone screen.


Note: To delete all call history entries, select All Calls.

Send Message using Call History

Text messages can be sent to other users that support SMS capabilities.

Note: Contact your service provider for more information on SMS messaging services.

To send a new text message from a call history entry:

1. From the phone screen, tap  .
2. Tap the drop down arrow and select the desired call log list.
3. Tap and hold on the desired entry. Select **Send Text Message** from the menu.
4. Enter the subject and message, and tap **Send** when finished.

Roaming

What is Roaming

Your phone can roam on other digital networks. Roaming occurs when you travel outside a pre-designated coverage area. The roaming icon appears on when in roaming is active, and extra charges may apply when making or receiving a call.

Note: Some features may be unavailable while roaming. Roaming also consumes additional power from the battery requiring more frequent charges.

Roaming Options

The following roaming options are available:

- Home only - Your phone is available for normal operation only in the designated coverage area.
- Automatic-A - The preferred roaming list is used to acquire service. If no preferred systems are found, any digital "A" system is acquired.
- Automatic-B - The preferred roaming list is used to acquire service. If no preferred systems are found, any digital "B" system is acquired.

Note: Contact your service provider for information regarding preferred systems.






To change your Roaming option, follow these steps:

1. Tap **Start**, then select **Phone** from the drop down menu.
2. Tap **Tools**, then select **Options**. The Settings screen is displayed.

3. Tap the **Service** tab, then select the **Roaming** option you want from the drop down menu.

TTY

Your i830 is fully TTY compatible, and it allows you to connect TTY equipment to the phone's headset jack. However, before you can use a TTY device, you need to enable TTY functions using these steps:

1. Tap , , , , .
2. Choose from the following options:
 - TTY On
 - TTY Off
3. Tap your selection and tap **Save** to exit and return to the Phone screen.

Note: If TTY is enabled, you can attach Telecommunication Devices for the Deaf to the handset.

VoiceSignal

VoiceSignal is advanced speech recognition software that can be used to activate a wide-variety of functions on your Pocket PC. VoiceSignal software automatically voice activates all numbers in your Contacts for voice dialing or searching, and no pre-recording or training is needed.

VoiceSignal commands allow you to dial numbers, lookup contact information, and open applications using your voice. Simply say a command at the prompt to open your contacts, launcher, the Picsel Browser, and more.

1. Tap **Start**, then select **Programs** from the drop down

menu. Tap **VoiceSignal**.

2. After a brief pause, “Say a Command” appears in the display and is announced through the speaker.
3. After the phone beeps, say the name of the command that you want to perform. The VoiceSignal commands are:
 - Call: Lets you dial a phone number by saying a name saved in your contact list or by saying the digits in the telephone number.
 - Lookup: Lets you retrieve contact information for any entry in your contacts list.
 - Open: This provides you with one-step access to many of your phone’s applications such as Calendar.

The following sections provide more information about the VoiceSignal commands.

Call a Name or Number

The Call command lets you dial a person by saying the name you’ve stored for that person in your contact list or by saying the telephone number’s digits, even if you have not saved the number in contacts.

Voice Dialing Tips

- Voice dialing works best in quieter environments.
- When pronouncing a name or number, speak at a normal speed, and there is no need to pause between digits.
- The phone recognizes the digits one, two, three, four, five, six, seven, eight, nine, zero, and oh (zero). It doesn’t recognize numbers such as “one eight hundred” for “1-800.” Instead, say “one eight zero zero,” or “one eight oh oh.”

- The phone recognizes only valid seven or ten-digit North American phone numbers, optionally preceded by the digit “1.”
- If you are experiencing frequent problems with Voice Dial recognizing your commands, try adapting it to your voice, which greatly improves its accuracy. See “Adapting Digits” on page 45 for more information.

Dialing a Name

1. Tap **Start**, then select **Programs** from the drop down menu. Tap **VoiceSignal**.
“Say a Command” appears in the display and is announced through the speaker.
2. Say “Call.”
The phone prompts, “Say the name or number.”
3. Say the full name of the person you want to call, exactly as it is entered in your Phonebook.
The phone may display one or more names on the screen and prompts “Did you say?”
4. To confirm the name you spoke, wait for the beep and then say “Yes” or choose the correct name from the choice list using your navigation key.

Note: If the name that you pronounced has more than one associated number, the phone displays the different locations (such as “home” or “work”) and prompts you, “Which number?” In this case, pronounce the location that you want to call. The phone dials the number.

5. The phone repeats what you said and then prompts, “Connecting” and dials the number.

Digit Dialing

1. Tap **Start**, then select **Programs** from the drop down menu. Tap **VoiceSignal**.
“Say a Command” appears in the display and is announced through the speaker.
2. Say “Call.”
The phone prompts, “Say the name or number.”
3. Pronounce the number naturally and clearly.
The phone may display one or more names on the screen and prompts “Did you say?”
4. To confirm the number you spoke, wait for the beep and then say “Yes” or choose the correct name from the choice list using your navigation key.
5. The phone dials the number.

Adapting Digits

Voice dialing works well for most people without special adaptation. However, people with strong accents or unique voice characteristics may receive better results after adapting the system to match their voices.

Note: You should adapt Digit Dial only if the system is frequently unable to recognize your speech. After you adapt Digit Dial, your phone is customized to your voice, and your voice only. Others will not be able to use it unless they reset the phone to factory defaults.

Adaptation involves recording several digit sequences to adapt the system to the unique properties of your voice. The adaptation process takes about three minutes.

Tips for Adapting Digit Dial

- Adapt digits in a quiet place.
- Make sure you wait for the beep before starting to speak.
- Speak clearly, and say each digit distinctly.
- If you make a mistake while recording a sequence of digits, or if there is an unexpected noise that spoils the recording, re-record that sequence.
- Only adapt digits if you regularly have problems with digit dialing. Once adapted, digit dialing will not work as well for other people using your phone.

Adapt Digit Dial to Your Voice

1. Tap **Start**, then select **Programs** from the drop down menu. Tap **VoiceSignal**.
2. Tap **Settings**.
3. Tap **Digit Dialing**.
4. Tap **Adapt Digits**.
5. Read the description until you are comfortable to proceed, then tap **OK**.

Your phone displays the first digit sequence and “Please say” plays through the speaker followed by the four digits appearing in the display.

6. Wait for the beep and repeat the digits using your normal tone of voice.
7. After a moment, the phone plays back the recording and prompts “Did the recording sound ok?” If the recording was good, say “Yes.” If you need to re-record, say “No.”

If you say “No,” the phone prompts you to pronounce the digits again. Wait for the beep and then re-record. Repeat this step until you’re satisfied with the recording.

8. After confirming that a recording sounds ok, repeat the recording process with the next set of digits until all sequences have been completed.
9. After the final sequence, the phone prompts “Adaptation complete.”

Reset Digit Dial Adaptation

This option erases an adaptation and resets Digit Dial to its original state.

1. Tap **Start**, then select **Programs** from the drop down menu. Tap **VoiceSignal**.
2. Tap **Settings**.

Note: Reset Digits is only available if you have adapted digit dial for your voice.

3. Tap **Digit Dialing**. Tap **Reset Digits**.
4. When the confirmation screen displays, tap **OK** to proceed, or tap Back to cancel.
5. If you tap OK, then the message “Digit Adaptation Reset” displays.

Looking up Contacts

Use the Lookup command to look up contact information for any person stored in your Contacts list.

1. Tap **Start**, then select **Programs** from the drop down

menu. Tap **VoiceSignal**.

The phone prompts, "Say a command."

2. Say "Lookup" followed by the name of a person in your Contacts list.

After you say a name, you may be prompted, "Did you say?" followed by the first of up to three names. To confirm a name, wait for the beep and then say "Yes."

If there is no match found, the phone responds with "Sorry, no match found."

Opening Applications

The Open command allows you to open an application or to quickly access several menus on your phone.

1. Tap **Start**, then select **Programs** from the drop down menu. Tap **VoiceSignal**.

The phone prompts, "Say a Command."

2. Say "Open" followed by the application or menu item you want.

For example, say, "Open Contacts." The Contacts screen is displayed.

Note: To see a list of applications or menu items, say "Open" but do not specify a destination. Your phone displays available options and prompts "Please Choose." Say "Next Menu" to scroll through other available choices applications and menu choices.

Section 4: Menu Navigation

Topics Covered

- Navigating your PDA
 - Menu Types
 - Launcher
 - Task Manager
-

This section explains the menu navigation for your phone. It also includes a description of the Launcher and Task Manager applications included with your Samsung SCH-i830.

Navigating Your PDA

Your i830 provides the power of a personal computer with exceptional portability and integration. Unlocking its power begins with customizing the i830 so that it becomes an extension of your desktop or laptop computer.

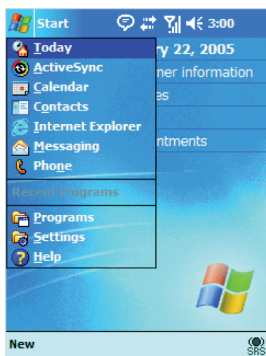
The i830 is powered by Windows Mobile 2003 Software for Pocket PC Phone Edition, providing the power and familiarity of Microsoft Windows. Pocket versions of popular Microsoft applications such as Word, Excel, Windows Media Player® and Outlook® eliminate the need to learn new software.

Menu Types

There are two menus available in the i830 menu options. They include the following:

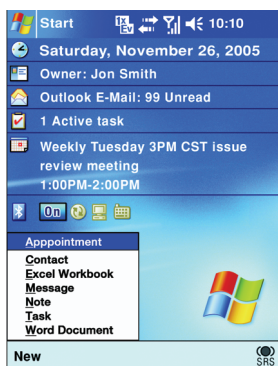
- Start Menu
- New Menu

The Start menu contains links to all the applications and settings information, similar to a Windows based PC system. To access the Start menu, simply use the stylus to tap in the upper left corner of the screen on the word Start. A menu list is displayed, and from this pull down type menu, all other applications and settings can be accessed.



The New menu options allow you to configure what is displayed when you tap on the New menu located in the bottom left corner of the screen.

Both the Start and New menus can be modified to display some or all of their options. To access and change these menus, follow the steps below.



Start Menu

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, then tap the **Personal** tab.
3. Tap the **Menus** icon. The **Start Menu** tab displays.
4. Check the items that you want displayed in the Start menu. Items that are not checked are displayed in the Programs menu.
5. Press **ok** to save your settings and exit.


New Menu

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, then tap the **Personal** tab.
3. Tap the **Menus** icon, then tap the **New Menu** tab.
4. Check the items that you want to be displayed in the New menu.
5. Press **ok** to save your settings and exit.

Launcher

The Launcher application is a task and file launcher with great additional features. Programs, games, utilities, and files can all be launched from customized pop-up windows using your stylus or function keys located on your i830.

Opening Launcher

You can open the Launcher application two ways. Either press the  key on the i830, or follow the steps below to access the application using menu selection.

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Programs**.
3. Tap **Launcher**. The Launcher pop-up window displays.

Launcher Groups




When you open the Launcher application, a Group window displays. Your phone has the following default pop-up windows for the Launcher application:

- MITs
- Mobile Office
- Utilities
- Games
- Control Panel



Except for the Control Panel window, each pop-up can be changed to delete or include programs or features in your phone that you use often or want to group specifically together. Additionally, you can add new groups and customize their windows also.


To display a group or to change from one group to another, follow these steps:

1. Press  to open the Launcher application. The last active group used by the application displays.
2. To change to a different group, tap  to display the group before, or tap  to display the group after the currently displayed pop up window.
3. You can also tap the title bar the current pop-up window to display a drop down that lists all groups, and then select the group you want from the list.
4. After your selection, the program or function you chose is displayed and the Launcher window closes.

Launcher Configuration



You can customize each pop-up window available in the Launcher application. You can add your own user defined pop-up lists or move functions and features between the groups that are already defined.

To display the Launcher Configuration console, follow these steps:

1. Press  to open the Launcher application. The last active group used by the application displays.
2. Tap  located at the bottom of the Launcher window.



Adding and Deleting Launcher Groups

To add a group that displays as a pop-up window when Launcher opens, follow these steps.

1. Press  to open the Launcher application. The last active group used by the application displays.
2. Tap  located at the bottom of the Launcher window.
3. Highlight any group in the **Group** panel on the configuration screen.
4. Tap **New**, then enter the name of the new group. The name you choose can have a maximum of 25 characters.
5. Tap **OK**. The name of the new group displays in the **Group** panel at the bottom of the list.

Note: To move a group either up or down in the list, highlight the Group name and then tap either Up or Down buttons in the **Group** panel.

To delete a group that displays as a pop-up window when Launcher opens, follow these steps.

1. Press  to open the Launcher application. The last active group used by the application displays.
2. Tap  located at the bottom of the Launcher window.
3. Tap the group you wish to edit. Members of the group are displayed in the lower portion of the screen.
4. Highlight the members of the group to delete and tap the **Delete** key.

Note: You must delete all members of a group before deleting the group.



5. Highlight the group you want to delete in the **Group** panel on the configuration screen.
6. Tap **Delete**. A confirmation window displays.
7. Tap **Yes**. The group is deleted and the configuration screen displays.

Adding and Deleting Functions in a Group

The functions and the features that display in a group pop-up window when Launcher opens can be moved between groups or deleted from an existing group, or you can add functions, applications, or features that you use to any group you create.

Group must already be defined or added before you can move applications to them. If you need information about adding a group to Launcher, see the section above “Adding and Deleting Launcher Groups.”

Once a group is setup in Launcher, you can follow these steps to add an application or other function to the pop-up window.

1. Press  to open the Launcher application. The last active group used by the application displays.
2. Tap  located at the bottom of the Launcher window.
3. Highlight the group you want to add a function to in the **Group** panel on the configuration screen.

The name of the group that you highlight appears above the lower panel on the configuration screen, as well as any applications or other functions already stored in the group.

4. To add a new application or other feature to the group, tap **New**.

The **Select a Program** screen displays and is similar to the File Manager function. Use the menu tree to navigate to the folder that contains the application or feature you want add.



Once you select the folder that contains the target function, a list of programs or link files display in the bottom portion of the **Select a Program** screen.

Note: If you select a folder that does not contain either executable or link files (i.e., .exe or .lnk), then the bottom pane of the screen remains empty.

5. Select the program or link you want, then tap **ok**. The **Edit display name** screen displays with the default name of the program in the Name field.
6. Change the name of your selection, if desired, and tap **OK**. The Configuration screen displays and the application, folder, or feature you selected appears in the list.
7. Repeat Steps 4 through 6 until you have added all of the features you want in the group, then tap **ok**. The Today screen displays and last active Launcher window displays.

8. To view the group you made change to, navigate to the group window you want. For information on selecting a different group in Launcher, see "Launcher Groups" on page 52.




To delete a function from a group in Launcher, follow these steps.

1. Press  to open the Launcher application. The last active group used by the application displays.
2. Tap  located at the bottom of the Launcher window.
3. Highlight the group you want to delete a function from in the **Group** panel on the configuration screen.
The name of the group you highlight appears above the lower panel on the configuration screen, as well as any applications or other functions already stored in the group.
4. To delete an application or other function associated with the group, highlight the function you want to delete, then tap **Delete**. A confirmation screen displays.
5. Tap **Yes** to confirm. The Configuration screen displays and the function you deleted is removed from the group.

Note: Deleting an application or function from a group in Launcher does not delete the feature from your Pocket PC. You are removing a shortcut in Launcher and not deleting the program from your Pocket PC.

Moving Functions Between Groups


To move an application or another function from one group to another, follow these steps.


1. Press  to open the Launcher application. The last active group used by the application displays.
2. Tap  located at the bottom of the Launcher window.
3. Highlight the group in the **Group** panel that contains the application or function you want to move.
The name of the group you highlight appears above the lower panel on the configuration screen, as well as any applications or other functions already stored in the group.
4. Highlight the application or other function you want to move, and then tap **Move**. The **Move to group** screen displays.
5. Highlight the group where you want to move the application or function you selected, then tap . The Configuration screen displays and the application or function is moved.

Task Manager

The Task Manager is an application that shows the programs that you are currently running as icons so you can quickly select or close them.

To open the Task Manager, follow these steps:

1. Press and hold the Launcher  key. The Task Manager bar displays.
2. Use the right or left navigation keys to highlight the program you want.

3. Tap  to select the program and display it on your screen.



Section 5: Entering Text

Topics Covered

- Built-in QWERTY Keyboard
 - Selecting Text Input Mode
 - Word Completion
 - Text Entering Options
-

This section outlines how to select the desired text input mode when entering characters into your Samsung SCH-i830. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Built-in QWERTY Keypad

Your i830 has a built-in standard typing keypad, commonly called QWERTY, which can be accessed when you extend the slide to it up position. Using this keypad, you can type letters, punctuation, numbers, and other special characters into text entry fields or other applications available on your Pocket PC.

Selecting Text Input Mode

There are five different character input methods available. They are:

- Built-in QWERTY keyboard
- Block Recognizer
- Keyboard
- Letter Recognizer
- Transcriber

Each of these methods allow you to input alphanumeric characters and symbols into the i830. In addition to the input methods, there is Word Completion and other options associated with the input selected.

To access the Input settings:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**.
3. Tap the **Personal** tab.
4. Tap the **Input** icon.

Block Recognizer

This input method uses the traditional writing area box split in the middle. The left side is used to write letters and the right side is for number entry. Symbols and common functions are located in other smaller boxes located to the right of the writing box area. There are no options associated with this type of input method.

Keyboard

This input method displays an on-screen keyboard that can be used to input characters by tapping the screen using the stylus. The keyboard entry method has the following options:

- Large keys
- Small keys
- Use gestures for the following keys

To select larger or smaller keys, simply tap the button next to the desired option.

The gestures feature allows you to replace keys used on the keyboard for space, backspace, shift+key, and enter by drawing a gesture or motion. The large key option must be selected for this option to be available.

Letter Recognizer

This option allows you to enter text using your own handwriting. The screen is divided into three different areas. A capital letter area, small letter area, and a number area. Characters are entered by printing letters in each area. The character is then analyzed and typed on the

screen automatically. The following options are associated with this method:

- Quick stroke
- Right to left crossbar
- Allow accented characters

Transcriber

The transcriber option is similar to the letter recognizer, except instead of entering characters into a designated area, you can enter entire words and sentences using your own handwriting. Transcriber supports both printing and cursive writing styles and then automatically types the information on the screen. The following general options are associated with this method:

- Sound On - Turns the sound On or Off.
- Show intro screen - Displays the help or introduction screen whenever the transcriber option is selected.
- Show icon bar - Displays the icon bar.
- Inking Color - Allows you to select the color and size of the stroke line.

There are also some transcriber recognizer options. They are:

- Add space after - Automatically adds a space after each writing.
- Separate letters mode
- Speed of recognition vs. Quality - Determines the speed at which the writing sample is analyzed. The faster the setting the less likely to get all words correct. Better quality is achieved with longer processing.


- Recognition start time - Allows you to set the time of recognition between new writings.

Word Completion

Word completion settings determine if words automatically display after entering a defined number of characters on the screen. The following options are available:

- Suggest words when entering text
- Suggest after entering (1-7) letter(s).
- Suggest (1-4) word(s).
- Add a space after suggested word.
- Replace text as you type.

To access the Word Completion settings:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**.
3. Tap the **Personal** tab, and then tap the **Input** icon.
4. Tap **Word Completion** tab.
5. Select the number of letters or words by tapping the drop down arrow associated with each option.
6. Tap  to save and exit.

Text Entering Options

Note: The options settings only apply when writing or recording is supported.

In the options tab, you can select:

- Voice recording format
- Default zoom level for writing
- Default zoom level for typing
- Capitalize first letter of sentence
- Scroll upon reaching the last line

To access the Options settings:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**.
3. Tap the **Personal** tab, and then tap the **Input** icon.
4. Tap the **Options** tab.
5. Select or tap the drop down arrow associated with each option.
6. Tap **ok** to save and exit.

Section 6: Contacts

Topics Covered

- Understanding Your Contacts
 - Adding Notes to Contacts
 - Speed Dialing Contacts
 - SIM Manager
-

This section describes how to manage your daily contacts by storing someone's name and number in your phonebook. These entries can then be sorted by name, entry, or group.

Understanding Your Contacts


The Contacts feature is used to save important information regarding your friends, colleagues, or business acquaintances. The contacts screen allows you to save the person's:


- Name
- Job Title
- Department
- Company
- Work Telephone, Fax & Address
- E-mail
- Mobile Telephone
- Web page
- Office Location
- Home Telephone & Address
- Categories
- Other Addresses
- Pager
- Car Telephone
- Home Fax
- Work2 & Home2 Telephone
- Radio Telephone
- E-mail2 & E-mail3
- Assistant
- Assistant Telephone
- Birthday
- Anniversary
- Spouse
- Children

In addition to the information available in contacts, you can also record or write a note associated with the contact. All of this information can be synchronized with a PC or Laptop using the Microsoft ActiveSync application. See "ActiveSync®" on page 152 for more information.

Add a New Contact



1. Tap **Start** located in the upper left corner of the screen and select **Contacts**.

Note: You can also press the Contacts button  located in the front on the lower right corner of the i830.



2. Tap **New**.
3. Enter the desired information in the spaces provided.
When finished, tap .

Find a Contact

To locate a specific contact, you can use the find feature. Find allows you to enter the first few letters of the contact entry and then have the results displayed on the screen. The Find box is located in the upper right corner of the contact screen. To find a contact:


1. Press  to open Contacts.
2. Tap the **Find a name** box and enter the first few letters of the desired entry.
3. Tap the entry from the list of possible matches to view the summary screen
4. If the entry is not the one your looking for, tap  to return to the list of possible matches.

Edit a Contact

1. Press  to open Contacts.
2. Locate the desired contact using find or scrolling through the contact list with the navigation key.
3. Tap the desired contact to view the summary screen.
4. Tap **Edit**.
5. Change or update the desired information.
6. Tap  to save and exit.


Delete a Contact

To delete a contact:

1. Press  to open Contacts.
2. Use the navigation key to highlight the contact you want to delete.
3. Tap **Tools** and select **Delete Contact**.
4. Tap **Yes** to confirm the deletion.

Make a Call from Contacts



To make a call from the contacts screen:

1. Press  to open Contacts.
2. Tap the desired contact from the list.
3. From the summary screen, tap the phone number.
4. The call is dialed automatically. To end the call, tap the **End** button on the **Phone Connected** screen.

Note: If you tapped Hide, you can display the phone main screen by tapping the signal strength icon in the top right of the screen.

Beam a Contact via IR


Your i830 is equipped with an infrared port (IR) which allows you to send and receive information wirelessly between two IR Pocket PC devices. To beam a contact:

1. Press  to open Contacts.
2. Tap the desired contact from the list to view the summary screen.
3. Tap **Tools** and select **Beam Contacts**.
4. Align the ports between the two devices.
5. When the contact has been successfully transferred, tap  to exit.

Beam Contacts via IR without Confirmation

You can send and receive many contacts via IR without a confirmation message. To beam many contacts at once, follow these steps:







1. For the device that will receive the contacts, tap **Start** and then select **Settings**.
2. Tap **Connections** and select **Beam**.
3. Tap **Receive all incoming beams**, which sets the device to Beam Receive mode.
4. For the device sending the contact information, press the Contact button to open Contacts.
5. Select the contacts from the list by dragging your pointer across the entries you want.
6. Tap **Tools** and select **Beam Contacts**.

7. Align the IR ports between the two devices.
8. When the contacts have been successfully transferred, tap  to exit.

Adding Notes to Contacts


Notes allow you to record or write a note that is attached and saved with the contact entry. When you view the summary screen on the contact, you can view or listen to any notes that are associated with the contact.


Adding a Note

1. Press  to open Contacts.
2. Tap the desired contact from the list.
3. Tap the **Notes** tab.
4. To record a note, tap record icon  located in the command bar. Tap  to begin the voice recording. Tap  when finished.
5. To write a note, tap the pen icon  and enter the note using the desired entry method.
6. To exit and save, tap .

Deleting a Note




To delete a note:

1. Press  to open Contacts.
2. Tap the desired contact from the list.
3. Tap the **Notes** tab.
4. Tap **Edit** and select **Select All**.

5. Tap **Edit** and select **Clear**.
6. To exit and save, tap .

Speed Dial Contacts

Speed dial can be used to the dial contacts that you talk to the most. Speed dial allows you to press either one or two keys to dial to the contact. Memory locations 2-99 are available for speed dialing. To speed dial:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Phone**, and then tap .
3. Tap **New** in the bottom left corner of the screen.
4. Tap the contact that you want to add to **Speed Dial**.
5. Tap the up or down arrows next to **Location** to select the desired memory location.
6. Tap  to save.
7. To exit the contact summary screen, tap  again.

SIM Manager (GSM Mode)

The SIM Manager allows the input and editing of information into you Phone Book, SMS Inbox, and the display of your own number and any additional numbers you save. There are two ways to access the SIM Manager from the Programs menu option or while in Contacts then tapping the Tools tab.

SIM PhoneBook

To access the SIM PhoneBook use the following procedures.

1. Tap **Start** located in the upper left corner of the screen

and select **Contacts**.

2. Tap **Tools** located on the bottom of the screen.
3. Tap **SIM Manager** the **SIM PhoneBook** displays.

Add a PhoneBook Entry

1. Tap **Start** located in the upper left corner of the screen and select **Contacts**.
2. Tap **Tools** located on the bottom of the screen.
3. Tap **SIM Manager** the **SIM PhoneBook** displays.
4. Tap **New** located in the lower left corner of the screen.
5. Enter the **Name**, **Phone Number**, and **Index** number to be associated with this entry. Tap **ok**.

Move or Copy to Contacts

To move or copy your **SIM Phone Book** entry to **Contacts**, use the following steps:

1. Tap **Start** located in the upper left corner of the screen and select **Contacts**.
2. Tap **Tools** located on the bottom of the screen.
3. Tap **SIM Manager** the **SIM PhoneBook** displays.
4. Place a checkmark next to the entry you wish to move or copy. Tap **Tools**. Highlight **Copy to Contacts** or **Move to Contacts**.
5. Tap **OK** or **Cancel**. A **SIM Manager** pop-up displays, tap **OK** to complete move or copy.

Note: The SIM PhoneBook provides 3-default fields (Name, Phone Number, and Index). This information is stored on your SIM card to provide information mobility. When PhoneBook entries are moved or copied to

Contacts, all input fields are available for entry, however this information is not stored on the SIM card.

Delete SIM PhoneBook Entry

To delete a Phone Book entry from the SIM Phone Book, use the following steps:

1. Tap **Start** located in the upper left corner of the screen and select **Contacts**.
2. Tap **Tools** located on the bottom of the screen.
3. Tap **SIM Manager** the **SIM PhoneBook** displays.
4. Place a checkmark next to the entry you wish to delete. Tap **Tools**. Highlight **Delete**.
5. A **SIM Manager** pop-up displays, tap **Yes** to delete or **No** to cancel.

Delete All SIM PhoneBook Entry

To delete all SIM PhoneBook entries, use the following steps:

1. Tap **Start** located in the upper left corner of the screen and select **Contacts**.
2. Tap **Tools** located on the bottom of the screen.
3. Tap **SIM Manager** the **SIM PhoneBook** displays.
4. Tap **Tools** and tap **Select All**. Tap **Tools**. Highlight **Delete**.
5. A **SIM Manager** pop-up displays, tap **Yes** to delete or **No** to cancel.

SIM SMS

SIM SMS stores up to 15 sent or received SMS messages on the SIM card. For text messaging procedures, see "Create and Send a Text Message" on page 81.

SIM Own Number

The SIM Own Number option provides the ability to store phone numbers that are used with this SIM card. If you have more than one phone that uses the same SIM card, this information may be stored here.

Section 7: Messaging

Topics Covered

- Types of Messages
 - Messaging Inbox
 - Text Messages
 - About E-mail Setup
 - E-mail Using Outlook
 - E-mail Using ISP
-

This section discusses the types of messages you can send and receive, how to set up your phone to work with email, and how to send email messages using different types of connections.

Types of Messages

The i830 is capable of sending E-mail and text messages. Send text messages by simply entering the phone number of the recipient when creating a new message.

Messaging

All incoming messages arrive and are stored in the Inbox until deleted. If memory is full, new messages are rejected, so you should delete older messages to free up space for new messages. The Inbox has three sub menus at the bottom of the screen labeled, which are New, Tools, and Accounts. The following sections cover each of these sub menus in more detail.

New

Use the New sub menu to compose and send a new E-mail or text message. Send a text message by entering the phone number of the message recipient in the To field, or send an E-mail by entering their E-mail address. Whichever method you use to send a message (E-mail or text), you'll need to set up an account, which is discussed later in this section.

Note: Text messages can only be sent to compatible phones and devices.

To compose a new message, follow these steps:

1. Tap **Start**, then tap **Messaging**.
2. Tap **New** at the bottom of the screen.
3. Tap the **To** field, then enter the E-mail address or phone number of your recipient.

4. Tap the **Subj** field, then enter a subject for your message.
5. Below the **Subj** field is a large box. Tap your stylus in this area, then begin composing your message using the preferred method of text entry.

Note: Tap the up arrow next to the keyboard symbol at the bottom right of the screen to choose your method of text entry.

6. Once you've finished composing your message, tap **Send**, which is located next to the **To** and **Subj** fields.

Tools

The Tools sub menu allows you to view your message folders, empty deleted items from your Deleted Items folder, edit My Text Messages (pre-composed messages), check the status of messages, and set options such as reply format and others.

1. Tap **Start**, then tap **Messaging**.
2. Tap **Tools** at the bottom of the screen. A pop-up menu appears in the display with the options listed below:
 - **Manage Folders:** Allows you to create, rename, or delete a folder.
 - **Empty Deleted Items:** Empty any messages in your Deleted Items folder.
 - **Edit My Text:** Edit any of the canned (pre-composed) messages that came with your phone.
 - **Status:** Check the status of messages.
 - **Options:** Set options such as reply format and more.

3. Tap on any of the options to open the folder and perform the functions listed in the previous table or to view the folder's contents.

Accounts

Set up accounts for each method that you want to use for sending messages. Accounts are necessary for sending text and E-mail messages, whether using your ISP or ActiveSync.

1. Tap **Start**, then tap **Messaging**.
2. Tap **Accounts** at the bottom of the screen. A pop-up menu appears in the display with the options listed below:

Note: The Clear ActiveSync or Clear SMS options do not display together but depend on the type of session selected.

- **Connect:** Connect to your service provider.
 - **Clear Text Messages:** Clear scheduled SMS sessions.
 - **New Account:** Set up a new account for sending messages.
 - **Accounts:** View your current accounts, or set up a new account.
 - **Text Messages:** Select the SMS account for sending messages.
 - **Outlook E-Mail:** Select the Outlook account for sending messages.
3. Tap on the options you want and then perform the functions listed or view the folder's contents.


Text Messages

You can send and receive text messages with other users that have SMS (Short Message Service) capability. Text messaging, or SMS messaging, can be sent from one device to another by addressing a message to the recipient's phone number.

Create and Send a Text Message

1. Tap **Start**, then tap **Messaging**.
2. Tap **New**.
3. Enter the phone number(s) of up to ten recipient(s) in the **To** field. Place a semicolon between numbers, if there is more than one.

Note: If you are in GSM mode, please refer to the "Placing GSM International Calls" on page 35.

Note: To select a number from contacts, tap  at the bottom of the screen and select from your list of contacts.

4. Tap the **Subj** field and enter a title for the message.
5. Tap the message area and enter a message using the desired method of input. When finished, tap the double drop down arrows to the right of the **Subj** field.
6. Tap the drop down arrow next to **Account** and make sure that **Text Messages** is selected.
7. If you would like a delivery confirmation, then tap **Tools** and select **Options**. Tap the check box next to **Request message delivery notification**.

8. Tap **Send** to send the message.

Note: There is a 160-character limit for text messages. The limit applies to messages sent using Text Messaging only. If you send a text message with more than 160 characters, the message truncates after the first 160 characters. Remaining characters are sent in separate messages until all characters have been sent. Charges apply in accordance with the sender's and the recipient's calling plans.

My Text Messages

My Text Messages consist of 9 pre-composed text messages that you can use quickly to send replies without having to type a message. The default messages are:

- Yes.
- No.
- Thanks.
- Please call my mobile.
- Please call my assistant.
- I'll be right there.
- I'm running late.
- I'll get back to you.
- I love my Pocket PC!

Using My Text Messages

1. Create a new text message.
2. Tap **My Text** and select the desired message from the list.
3. Tap **Send** to send the message.

Cancel a Message

- From the new message screen, tap **Edit** and select **Cancel Message**.

Message Tools

Several message features are available under Tools when sending a Text message.

- **Spell Check:** Spell check your message.
- **Check Names:** Check contacts for the name of the recipient.
- **Edit My Text:** Edit the pre-composed text messages or create your own unique messages.
- **Language:** Select the character set used for your message.
- **Options:** Select the checkbox to request a message delivery notification for this message.

Spell Check a Message


1. Create a new text message.
2. Tap **Tools** and select **Spell Check**.
3. When the spell check is finished, tap **OK**.
4. Tap **Send** to send the message.

Check Names

1. Create a new text message.
2. Tap **Tools** and select **Check Names**.
3. Tap **OK** to return to your message.

Edit My Text Messages

To edit My Text Messages, follow these steps:

1. Open a text message.
2. Tap **Tools** and select **Edit My Text**.
3. Select the message that you want to edit.
4. Delete the old message from the box and enter a new message.
5. Tap  to save and exit.

Text Message Folders

There are five message folders in the Text directory. The folders and their functions are similar to the folders in the ActiveSync directory, except for Outbox. In ActiveSync, E-mail is stored in the Outbox until you perform an ActiveSync with your PC. In Text Messages, new messages are stored in the Outbox folder until message sending is complete. The following is a list of Text folders and their function.

- **Deleted Items:** Deleted messages are sent to the Deleted Items folder. Once messages are removed from the Deleted Items folder, they are permanently erased.
- **Drafts:** Drafts contain all SMS messages that were not completed and saved to be sent at a later date.
- **Inbox:** All incoming SMS messages arrive and are stored in the Inbox until deleted. If memory is full, new messages are rejected. Delete older messages to free up space for incoming messages.
- **Outbox:** When you send a message, it is stored in the Outbox message sending is complete.

- **Sent Items:** Sent Items keeps a record of all sent messages from your device.

Access Text Message Folders

1. Tap **Start**, and then select **Messaging**.
2. Tap **Accounts** and then select **Text Messages**.
3. At the top of your screen is an arrow for a drop-down menu. Tap this arrow to display a menu tree that lists the folders for Outlook E-Mail, Text Messages, and any other accounts you have created.
4. Expand the folders for Text Messages by tapping the **+** sign next to **Text Messages**. Select **Inbox** to display its contents.

Note: Tap any of the folders within any of the account trees to view the folder's contents.

About E-mail Setup

E-mail can be sent and received using ActiveSync, or you can also configure the i830 to send E-mail using an ISP account.

Note: For wireless sync E-mail, refer to Wireless Sync on the Companion CD included in your Gift Box.

E-mail using Outlook

Install ActiveSync on your PC and set up a Standard Partnership, so you can send/receive E-mail. See "Setup a Partnership" on page 153. E-mail is composed off-line

and is sent to the intended recipient(s) the next time you perform ActiveSync.

1. Tap **Start**, and then select **Messaging**.
2. Tap **New** and enter the E-mail address in the **To** field.
3. Tap the **Subj** field and enter a subject.
4. Tap anywhere in the message body field and enter the content of your E-mail.
5. When you're finished, tap **Send**. When you synchronize your i830 with your PC, the message is sent through your PC's E-mail client.

Outlook Message Folders

There are five message folders in the Outlook directory. Each folder and its related function is listed below:

- **Deleted Items:** Deleted E-mail is sent to the Deleted Items folder. Once E-mail are removed from the Deleted Items folder, they are permanently erased.
- **Drafts:** Drafts contain all E-mail messages that were not completed and saved to be sent at a later date.
- **Inbox:** All incoming E-mail arrives and is stored in the Inbox until deleted. If memory is full, new messages are rejected. Delete older messages to free up space for incoming messages.
- **Outbox:** When you send an E-mail, it is stored in the Outbox until you ActiveSync with your PC.
- **Sent Items:** Sent Items keeps a record of all sent E-mail from your device. This option must be set by using the Tools/Options/Message tab. Place a check in the "Keep copy of sent mail in Sent folder" box.

Access Outlook Message Folders

1. Tap **Start** in the upper left corner of the screen, then tap **Messaging**.
2. Tap the drop down arrow next to **Inbox**. A directory of folders for Outlook and Text messages appears in the display.
3. Tap the **+** sign to the left of Outlook to display the Outlook folder hierarchy (if necessary).
4. Tap any of the folders in the Outlook directory to view the folder's contents.

E-mail using an ISP

If you've configured the i830 to send E-mail using an Internet Service Provider (ISP), you can send E-mail directly from the i830 without connecting to your PC through ActiveSync.

Setup an ISP

Before you can send E-mail directly, you'll need to configure the i830 to work through an existing account with an Internet Service Provider (ISP) or your network at work. To configure the i830 to work with an ISP:

1. Tap **Start**, and then select **Settings**.
2. Tap the **Connections** tab.
3. Tap the **Connections** icon, and select **Add a new modem connection**.
4. Enter a name of the connection, and select Cellular Line under **Select a modem**, then tap **Next**.
5. Enter the dial-up number for your ISP, then tap **Next**.

6. Enter the **User name** and **Password** for your account.
7. Tap **Domain** and enter the domain name for your account.
8. Tap **Finish**.



Section 8: Changing Your Settings


Topics Covered

- i830 Settings
 - Button Settings
 - Sound Settings
 - Password Settings
 - Phone Settings (CDMA)
 - Phone Settings (GSM)
-

This section explains how to either set or change many of the settings available on your Samsung SCH-i830.

i830 Settings

The Settings menus for your i830 allow you to configure or change how many of your phone's features or functions appear or work. Some of the settings on these menus are associated with shortcuts or hotkeys on your phone and can be quickly accessed for your convenience.

For example, the Today Screen has shortcuts for Owner Information and Bluetooth connections, while the Launcher Application, accessed by pressing the  key, displays shortcuts for Power and Screen settings. Accordingly, some Settings available on the Personal, System, and Connections tabs are discussed features are presented in this manual.

Settings that are not easily associated with other applications or features of your phone are discussed here. They are not listed in a specific order; however, some settings are grouped with topics that include them.

If you don't see a setting that you are looking for discussed here, check the Index that begins on page 221, for a complete listing of all settings for your phone.

Buttons Settings

The Buttons setting allows you to assign your favorite programs to your phone's hardware buttons:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is highlighted.
3. Tap the **Buttons** icon.

4. Tap the Button assignment drop down box for each of the buttons listed below.
5. Tap **ok** to save and exit Buttons settings.

Button Assignments

There are four default button settings.
The buttons include:



Button 1 Record



Button 2 Calender



Button 3 Contacts



Button 4 <Context Menu>

The following functions can be assigned to the buttons above:


- Context Menu
- Input Panel
- None
- OK/Close
- Rotate Screen
- Scroll Down
- Scroll Left
- Scroll Right
- Scroll Up
- Start Menu
- Today
- ActiveSync
- Calculator
- Calendar
- Contacts
- Downloads
- File Explorer
- Find

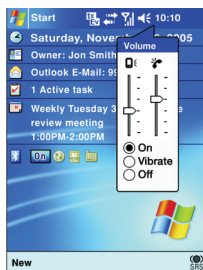
- Help
- Internet Explorer
- Jawbreaker
- Launcher
- Messaging
- MSN Messenger
- Notes
- OBEX FTP
- Phone
- Picstel Browser
- Pictures
- Pocket Excel
- Pocket Word
- Record
- Remote Control
- Ringtone Manager
- Solitaire
- Sprite Backup
- Tasks
- Terminal Services Client
- VoiceSignal
- Windows Media
- World Clock


Sound Settings

PDA/Phone Ringer Volume

You can set the volume for both PDA notifications and phone volume. To adjust these volumes, follow these steps:

1. Tap the  icon located at the top of your screen. A menu displays with sliders to adjust both the PDA and phone ringer volumes.



2. Using the stylus, tap the desired level on the slider located under Volume. The left slider controls the PDA volume and the right slider controls the ringer volume.
3. Tap the  icon again to exit.

Note: You can also press and hold the slider tab and move it back and forth along the slider using the stylus.

WOW XT Audio Processing


WOW™ significantly enhances the quality of mono and stereo audio, creating improved dynamics and bass performance in your i830 internal speakers or optional headphones when attached. WOW provides a panoramic three-dimensional audio image that extends the sound in both the horizontal and vertical planes well beyond the speakers or headphones themselves. These enriching effects are especially noticeable on digitally compressed audio formats such as MP3 and WMA.

WOW is comprised of SRS®, TruBass® and Focus® technologies, and adds the following features to your audio listening experience.


- SRS - the leading 3D sound technology in the world, which restores the spatial information that is masked by traditional recording and playback techniques.
- TruBass - SRS technology that enhances bass performance by utilizing psychoacoustic techniques to restore the perception of low frequency tones, delivering deep rich bass to your i830 internal speakers or optional headphones.

- **Focus** - Elevates the sound image field to create the perception of image height. When used in combination with SRS 3D, it delivers an enlarged sound image while improving the clarity in the high frequencies in your audio.

To enable WOW XT audio processing or to change the settings for this feature, follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**.
3. Tap the **System** tab.
4. Tap **WOW XT Settings**.
5. To enable WOW processing, tap the  icon. When enabled, this icon is red and the other settings can be changed.
6. Select the Sound EQ mode from Normal, Classic, Jazz, Rock, Pop, Dance, or Custom.
7. Using the stylus, tap the desired level for each effect you want to change. You can set:
 - **SRS 3D Effect** – This setting influences the width processing performed on the audio signal. As you increase this effect, you should perceive an increasing distance or separation between the left and right channels.
 - **SRS Focus** – This setting influences the brightness or amount of treble in the audio signal. Increasing this setting enhances vocals and dialog.
 - **SRS TruBass** – This setting influences the amount of TruBass processing performed on your audio signal.


Note: The Sound EQ setting value has changed to allow better sound effects when an earjack is used. Since buffering is used, changes that are made using this menu are real time. There can be as much as a one second delay before you hear a change in the audio you are listening to.

8. To restore the default values, tap the **Reset** button at the top of the screen.
9. Tap  to exit.

CarKit Volume

The CarKit Volume determines the volume settings for voice and PDA ringers when your i830 is attached to the optional hands-free kit installed in a vehicle.

Volume settings range from Silent to Loud. To set each option for the optional CarKit, follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**.
3. Tap the **System** tab.
4. Tap **CarKit Volume**.
5. Using the stylus, tap the desired level on the slider for each of the volume settings available.
6. Tap  to save your settings and exit.

Sounds and Notifications

The Sounds and Notifications settings allows you to select the actions for which you hear sounds and to customize how you notified when different events occur.

To view the sounds and notifications screen, follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**.
3. Tap the **Personal** tab.
4. Tap **Sounds & Notifications**.
5. Select the check boxes for the events, programs, or notifications you want to enable on the **Sounds** tab.

Note: When you enable a sound, your i830 plays tones to notify you that an event has occurred. See "Event Notifications" below for a complete list of events for which you can select sounds.

6. Tap  to exit.

Event Notifications

Event sounds can be set for each of the following events:


- ActiveSync: Begin sync
- ActiveSync: End sync
- Connection disconnected
- Connection established
- Messaging: New e-mail message
- Messaging: New text message
- MSN Messenger: Contact online
- MSN Messenger: New message
- Phone: Incoming call
- Phone: Missed call

- Phone: Voice mail
- Reminders

To set an alert for an event, follow these steps:

1. Tap **Start**.
2. Tap **Settings**.
3. Tap the **Personal** tab.
4. Tap **Sounds & Notifications**.
5. Tap the **Notifications** tab.
6. Select the event from the drop down menu.
7. Tap either **Play sound** or **Vibrate**.

Note: Use the Phone settings to change the ring type and tone settings of your phone.

8. Tap the check box next to **Play sound** to designate a notification sound for that event.
9. Tap  to exit.

Turn Phone Volume Off

You can turn the ringer off, or you can select one of the other Ring tone options, such as Vibrate, Vibrate and ring, or Vibrate then ring.

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, then tap the **Personal** tab.
3. Tap **Phone**.
4. Tap the drop down arrow next to **Ring type** and select one of the **Vibrate** options or select **None**.

5. Tap  to exit.

Password Setting


The password option allows you to enable or disable a password. The available settings are:

- Simple 4 digit - Allows you to set a four digit password using the on-screen keypad.
- Strong alphanumeric - Allows you to enter a password that contains letters, numbers, or both.

When a password is configured, there is a “prompt if device unused” option that allows a length of time range from 0 minute - 24 hours. When this option is set, you can continue to use the i830 until the screen turns off due to inactivity. If the device is inactive for a greater amount of time than specified in this setting, a password must be entered when you turn the device back on.

To set the password:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**.
3. Tap the **Personal** tab at the bottom of the display.
4. Tap the **Password**.
5. Tap the check box next to **Prompt if device unused for**.
6. Use the drop-down menu to select the amount of time before you are prompted for a password when the i830 is idle.
7. Select either Simple 4 digit password or Strong alphanumeric password, depending on your preference.

8. Enter a 4 digit password or alphanumeric password in the text box next **Password**.
9. Tap . You're prompted to confirm the password change. Tap **Yes** to confirm or **No** to return to the Settings-Personal screen.

Phone Settings (CDMA)

Phone options are divided into the following tabs:

- **Phone** - Allows you to configure a voicemail phone number. View your existing phone number. Select the desired sounds associated with the phone. Set notification for when Voice privacy is unavailable.
- **Option** - Allows you to set Call Control options, Auto Answer mode, and set how the Time is updated.
- **Alert** - Allows you to turn on or off the Minute beep, Connect tone, and Disconnect tone.
- **Service** - Allows you to set the Data Mode and Roaming Options. Select the GPS setting and your Voice Privacy level.
- **Security** - Allows you to restore the factory default settings for your phone. Set Emergency Call numbers.
- **SMS** - Allows you to configure the SMS CallBack Number.

Phone Tab

These options allow you to configure several different settings that are specific to the phone including:

- Changing the Voicemail Dialup Number
- System Sounds
- Keypad Tones
- Voice Privacy Notification

Vicemail Settings

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap the **Phone** icon.
4. The number to call your voicemail is displayed in the **Vicemail** box. To change the number, tap the box and enter the number you want.

Note: This number is automatically setup when you receive your phone. You will probably not need to change it unless otherwise instructed by your carrier.

Phone Ringer Options

You can select several different phone ringer sounds for the i830. You can also change the ring type and its tone, as well as set an alert for when voice privacy is not available. To access these settings:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap the **Phone** icon. The Phone screen displays.
4. Tap the **Ring type** drop down arrow and select the ring type you want.
5. Tap the **Ring tone** drop down arrow and select the ringer sound you want.

Note: To hear the ring tone, use the player controls located to the right of the Ring tone drop down box. Tap the arrow to play the tone, tap the square to stop.

6. Tap the check box next to **Notify me when voice privacy is unavailable** if you want to know this.
7. Tap **ok** to exit.

Tone Length

When dialing a phone number, tones are emitted each time a key is tapped. These tones can be modified to be short, long, or even turned off. In some cases, longer tone lengths may be necessary to access automated systems such as voicemail.

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap **Phone**.
4. Tap the **Keypad** drop down arrow and select:
 - Short Tones - When the QWERTY keypad or the on-screen keyboard for the phone is tapped, a short tone is played.
 - Long Tones - When the QWERTY keypad or the on-screen keyboard for the phone is tapped, a long tone is played.
 - Off - No tones are played when the QWERTY keypad or the on-screen keyboard is tapped.
5. Tap **ok** to exit.

Option Tab

The option tab allows you to set call control options, the auto answer mode, and to set how the internal clock is updated.

- Call Control - Allows you to set up how the phone is answered. A call can be answered by moving the slider up and can be ended or released by moving the slider down.

- Auto Answer - This option can be used with the headset or the carkit accessory. When using the carkit, the phone is automatically answered after 3, 5, or 10 seconds.

Note: Auto Answer is not supported for the **Bluetooth** wireless technology headset.

- Time Setting - The i830 can receive time information from the cellular network you use. Select Auto to receive the time signal from your phone's carrier or select Manual to set your phone's time manually.

To access the option settings:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap the **Phone** icon.
4. Tap the **Option** tab.
5. Change the options you want, then tap **ok** to exit.

Alert Tab

The Alert tab allows you to set a notification sound when these events occur:

- Minute beep
 - Connect tone
 - Disconnect tone
- Select the options you want to enable, and then tap **ok** to exit.

Service Tab

The Service tab allow you to configure your phone to receive an incoming data call, change your roaming mode, and set your GPS and Voice Privacy preferences.

To access the service settings:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap the **Phone** icon.
4. Tap the **Service** tab.
5. Change or set the following options:
 - Data Mode - Allows you to set your phone to receive a data call.
 - Roaming - Allows you to select a desired roaming option. For more information, see "Roaming Options" on page 41.
 - GPS - Allows you to specify if your phone sends global positioning information whenever you make a call, for example, Location On, or only when you make an emergency 911 call.
 - Voice privacy - **Standard Mode** allows you to select the level of encryption used when making or receiving phone calls. **Enhanced Mode** offers more security but can be associated with network delay while the advanced encryption is encoded or decoded.
6. Tap **ok** to exit.

Security Tab

The Security tab allows you to restore the factory default settings for your phone or set emergency call numbers.

Caution: If you select the Phone Reset Button and confirm you want to reset your phone, all of your phone settings and user installed applications will be erased. You must enter your password before this can happen, but

all settings are restored to their factory setting when you perform this operation.

The Emergency call feature provides you with three numbers that you can assign and edit, as well as the three 911 emergency numbers, that can be called even when your phone is in lock mode. Although the 911 numbers appear in this list, they cannot be edited.

To access the options on this menu follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap the **Phone** icon, then select the **Security** tab.
4. Tap the button of the function you want. You can choose from the following:
 - Phone Reset
 - Emergency Call


Note: If you select either Phone Reset, you will be prompted to enter your security password. By default this password is the last 4 digits of your phone number unless you have changed it. For more information about setting a password, see "Password Setting" on page 98.

5. Follow the directions to complete the function you selected, then tap **OK** to exit.

SMS Tab

The SMS tab allows you to configure the SMS CallBack Number. To access the options on this menu follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.

3. Tap the **Phone** icon, then select the **SMS** tab.
4. To change the **SMS CallBack Number**, tap the box and enter the number you want.
5. Tap  to exit.

Phone Settings (GSM)

Phone options are divided into the following tabs:

- **Phone:** Allows you to set the Sounds and Security options.
 - **Sounds:** Allows you to set the Ring type, Ring tone, and Keypad tones.
 - **Security:** Allows you to set a Required PIN number when using your phone.
- **Services** -Allows you to configure Call Barring, Caller ID, Call Forwarding, Call Waiting, Voice Mail and SMS settings.
- **Network:** Allows you to set the Current network, the Preferred networks, and to set the **Network selection** (Automatic or Manual).
- **Call:** Allows you to set the **Call Answer** option (slider open or slider close). You can set the **Auto Answer** option. Choose from Off, 3 sec, 5 sec or 10 sec. You can set **Alert Tone** option(Connect Tone, Disconnect Tone, Minute Reminder ON/OFF
- **SMS:** Allows you to set and view the Reply Path and set the Def. Validity. Choose from one Hour, 6 Hours, 24 Hours, One Week, and Maximum.
- **Security** - If this option is provisioned with your SIM card, it allows you to set a **Call Barring Password** to restrict specific types of incoming and outgoing calls to and from your phone. You can also lock the SIM card by tapping the Enable the **SIM Lock** option.

Phone Tab

These options allow you to configure several different settings that are specific to the phone including:

- System Sounds
- Keypad Tones
- Security Setting

Phone Ringer Options

You can select several different phone ringer sounds for the i830. You can also change the ring type and its tone, as well as set an alert for when voice privacy is not available. To access these settings:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap the **Phone** icon. The Phone screen displays.
4. Tap the **Ring type** drop down arrow and select the ring type you want.
5. Tap the **Ring tone** drop down arrow and select the ringer sound you want.

Note: To hear the ring tone, use the player controls located to the right of the Ring tone drop down box. Tap the arrow to play the tone, tap the square to stop.

6. Check the **Security** box Require PIN when phone is used. Tap **Change PIN** and follow on screen instructions.
7. Tap **ok** to exit.

Security

This field allows the Personal Identification Number (PIN) protection to use the phone. To enable Security, place a check in the Require PIN when phone is used box.

Tone Length

When dialing a phone number, tones are emitted each time a key is tapped. These tones can be modified to be short, long, or even turned off. In some cases, longer tone lengths may be necessary to access automated systems such as voicemail.

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap **Phone**.
4. Tap the **Keypad** drop down arrow and select:
 - Tones - When the QWERTY keypad or the on-screen keyboard for the phone is tapped, a short tone is played.
 - Beep - When the QWERTY keypad or the on-screen keyboard for the phone is tapped, a beep is played.
 - Off - No tones are played when the QWERTY keypad or the on-screen keyboard for the phone is tapped.
5. Tap **OK** to exit.

Services Tab

Call Barring

Call Barring allows you to restrict specific types of incoming and outgoing calls for your phone. This is useful if you allow someone to use your phone for a short period of time.

1. Tap **Start** located in the upper left corner of the screen.

2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap **Phone**. Tap the **Services** tab.
4. Tap **Call Barring**, and tap **Get Settings...**
 - The following options are provided:
All Outgoing: Disable all outgoing calls.
 - **International**: Disable International calls only.
 - **International Except To Home**: Disable International calls, except those calls to your home.
 - **All Incoming**: Disable all incoming calls.
 - **In While Abroad**: Disable all international calls while out of your home service area.
 - **Off**: Cancel all Call Barring.
5. Enter your selection and tap **OK**.

Caller ID

Caller ID displays the number (and name, if in your Phonebook) of incoming calls. Unlike Verizon (CDMA) mode, Caller ID in GSM mode must be enabled by the user.

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap **Phone**. Tap the **Services** tab.
4. Tap **Caller ID**, and tap **Get Settings...**
5. Tap **Hide Number**, or **Send Number**, then press **OK**.

Call Forwarding

Call Forwarding allows you to select from up to four options (or conditions) to forward your calls to another number.

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap **Phone**. Tap the **Services** tab.
4. Tap **Caller Forwarding**, and tap **Get Settings...**
5. Choose from the following options:
 - **Divert Always:** Forward all calls to the specified number. When roaming off the Verizon Wireless Network, availability of this feature varies by service provider and may be limited or restricted in some areas
 - **Busy:** Forward calls to the specified number only when busy. When roaming off the Verizon Wireless Network, availability of this feature varies by service provider and may be limited or restricted in some areas
 - **No Reply:** Forward calls to the specified number when there is no reply. When roaming off the Verizon Wireless Network, availability of this feature varies by service provider and may be limited or restricted in some areas
 - **Unreachable:** Forward calls to the specified number when unreachable. This feature is not supported at this time.
 - **Cancel All:** Cancel all call forwarding. When roaming off the Verizon Wireless Network, availability of this feature varies by service provider and may be limited or restricted in some areas.
6. Tap the desired call forwarding option, then press **OK**.
7. Follow the on-screen instructions to complete the desired Call Diverting request.

Call Waiting

Call Waiting notifies you of an incoming call even while you're in a call. You can then accept, reject, or ignore the

incoming call. Unlike Call Waiting in Verizon (CDMA) mode, Call Waiting in GSM mode must first be activated.

Note: When roaming off the Verizon Wireless Network, availability of this feature varies by service provider and may be limited or restricted in some areas.

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap **Phone**. Tap the **Services** tab.
4. Tap **Caller Waiting**, and tap **Get Settings...**
5. Highlight **Call Waiting**, then press **ok**.
6. Highlight **Activate**, then press **ok**.

Voice Mail and SMS

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap the **Phone** icon.
4. Tap **Voice Mail and SMS**, and tap **Get Settings...**
5. The number to call your voicemail is displayed in the **SMS service center** and **Voice Mail** box. To change the number, tap the box and enter the number you want.
6. Press **ok**.

Note: This number is automatically setup when you receive your phone. You will probably not need to change it unless otherwise instructed by your carrier.

Network Tab

The Network tab allows you to view the **current network** your phone is using and set the **network selection** for your phone. Choose between **Automatic** and **Manual**. After your selection press **OK**.

Call Tab

The Call tab allows you to set the **Call Answer** option. Choose between the following:


- Call Answer by the slider open: Answers the call when you open the slider of the phone.
- Call Release by the slider close: Ends the call when you close the slider of the phone.
- Auto Answer: Choose from Off, 3 sec, 5 sec, and 10 sec.
- Connect/Disconnect Tone: To hear a tone at connect or disconnect, select **On**. Select **Off** for no tone played at connect or disconnect.
- Minute Reminder: To hear a tone in 60 second increments, select **On**. Select **Off** for no tone.

After your selection press **OK**.

SMS Tab

The SMS tab allows you to configure the SMS Call Back Number. To access the options on this menu follow these steps:


1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap the **Phone** icon, then select the **SMS** tab.
4. To change the **Reply Path**, tap **On** or **Off**.

5. To change the **Def. Validity**, tap the box and enter the number you want. Available options are, **Maximum, One Hour, 6 Hours, 24 Hours, or One Week.**
6. Tap  to exit.

Security Tab

The Security tab allows you to restore the factory default settings for your phone, set emergency call numbers, or display the current hardware and software version of your i830.

To access the options on this menu follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**, the **Personal** tab is displayed.
3. Tap the **Phone** icon, then select the **Security** tab.
4. Tap the button of the function you want. You can choose from the following:
 - **Call Barring Password:** This option allows you to change your security password. Enter the **Old Password**, The **New Password** and **Confirm Password**. Tap **OK** to save your new password.
 - **SIM Lock:** This option allows you to lock the information you have stored to your SIM card. Tap the box to enable the **SIM Lock**. Enter your PIN number by tapping the keyboard icon in the lower right of your screen. Tap **OK** to enable SIM Lock.
5. Follow the directions to complete the function you selected, then tap  to exit.

Service Mode (GSM)

1. With the slider down, tap **Start** and tap **Settings**.

2. The **Personal** tab is highlighted. Tap **Service Mode**. The following options appear in the display.
 - **Int'l GSM**
 - **VZW CDMA**
3. Tap desired mode of operation, then press **OK**. A dialogue box appears in the display asking if you wish to reset modes.
4. Type **Yes** and press **OK**. Tap **Cancel** to return to the previous screen.
5. If you pressed **OK**, the phone restarts and powers up in the selected mode of operation.

Section 9: Personal Digital Assistant

Topics Covered

- Your Personal Digital Assistant
 - Pictel Browser
 - Microsoft Pocket Applications
 - Add Dormant Mode
 - Windows Media Player
 - Sprite Backup Utility
 - Application Management
 - Memory Adjustments
-

This section introduces applications included with your phone. You can view different document formats with the document viewing tool, access word processing and spreadsheets documents, and even instant message others using the preloaded applications on your Samsung SCH-i830.

Your Personal Digital Assistant

The i830 is an integrated communication device with the power of a mobile phone and the intelligence of a PC. The i830 is loaded with familiar Microsoft® pocket applications, like Pocket Outlook, Pocket Internet Explorer, MSN® Messenger, Windows® Media™ Player 10 for Pocket PC, Pocket Word & Excel, and several specialty applications.


Picseel Browser

Picseel Browser allows you to view documents on your handset without converting files. The document display environment brings new levels of satisfaction to your browsing and document viewing experience by supporting popular file formats from your desktop environment in their native form without any conversion.

The interface also allows you to navigate your documents by simply touching your stylus to the screen, and then panning documents or zooming in or out to view every detail of your documents.

Launching the Picseel Browser

To launch the Picseel Browser, follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Programs**, then tap **Picseel Browser**. The browser displays.
3. To view the main menu, tap on the Picseel logo  in the lower right of your screen to display the program's carousel.

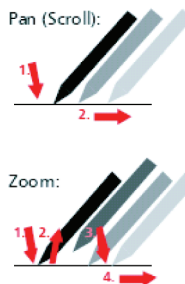
4. Choose the function you want by selecting the appropriate icon.

Navigating Picstel Browser

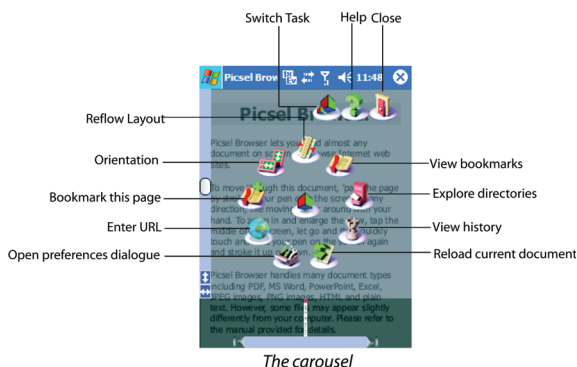
To pan (or 'scroll') to a different part of the document, simply stroke your pen across the screen in the direction you would like the page to move. To pan the page up, touch and hold your pen somewhere near the middle of the screen and draw a line towards the top, then take your pen off the screen. You can do this repeatedly so that you can view any size of document.

Further, you can 'throw' the document across the screen, and it will continue moving after you have released the pen. This gives you time to start another stroke. This inertia can be used to save time while you pan around the document.

You can also zoom the size of the document, so that more or less of it is visible at a different size. The tap-and-stroke gesture for this is to tap your pen briefly near the middle of the screen then touch and hold it again in the same place (a "double-tap"). Now, stroke your pen up to zoom in, or down to zoom out. Release your pen when you reach the scale you like. Using this, you can view small print details on diagrams, or can get an overview of a whole page.



There is a menu of options available for Picsel Browser by tapping the icon in the bottom right corner of your screen. Using the menu, you can open new documents, adjust the screen, configure the settings for Picsel Browser, or exit from the application. To find out what each option does, press and hold your stylus on an icon to display a tool-tip that explains the highlighted option.



Views

There are four main views in Picsel Browser that allow you to choose the documents you want to view. These can all be selected from the main browser menu.

Reflow Layout

The Reflow Layout allows you to see your documents. You can pan (scroll) or zoom to read any part of a document. You can also move between the pages of longer documents by stroking your stylus along the

bottom of the screen, like turning the pages of a book. You can also rotate the document view between landscape and portrait format to suit your reading style.

View Bookmarks

The View Bookmarks allows you to keep track of your favorite documents or web sites so that you can return to them easily. You can add a document to this list using the menu option in the Document View, or you can remove them by using the options in this view.

Explore Directories

The Explore Directories allows you to explore documents stored on your i830 or on the optional memory cards. You can look inside folders for other documents, or you can change the order and appearance of the lists using special options on the menu.

View History

The ViewHistory records all of the documents you have looked at in the past. You can use this to remember where you've been or to return to the pages without finding an individual file again. You can also adjust the amount of time the history is recorded for, or delete everything from it by using Preferences, which are described below.

Preferences

There are several options in Picsel Browser that you can adjust according to your preferences. While most of them are a matter of choice, such as the number of days after which items are removed from the history list, some affect proper operation of the application. For example, if you

need a “proxy” to access the Internet, you can select this in the preferences from the main menu. Picsel Browser can display documents in many other languages. Since character encodings used to store text are not always clearly identified in some documents, you can set the preference for the default which will be used on documents in your native language.

For more information, you can access Tool-tips, which are icons located in the menus of each view. To view these, tap and hold your stylus over any icon to display information about the item you have selected.

Microsoft Pocket Applications

MSN Messenger

Log onto Microsoft MSN® Messenger and chat with others right from your i830. Using wireless data provided by your carrier, you can quickly send instant messages to your list of online buddies, or interact with several people at the same time. The chat window lets you read and write messages, and notifications alert you if others are trying to get in touch. “My Text” lets you store and recall frequently used messages so you can respond without composing a reply.

MSN Messenger is a MSN Passport service and requires a Passport, Hotmail®, or MSN account.

Login to MSN Messenger

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Programs**.
3. Tap **MSN Messenger**. The MSN Messenger sign in screen appears in the display.

4. Tap in the center of the display to sign in.
5. Enter your Sign in name from your Passport, Hotmail, or MSN account.
6. Tap the Password field, then enter the password from your Passport, Hotmail, or MSN account. Use the password for the account entered in the Sign in field.
7. Tap the empty box next to **Save password** if you want the password entered automatically the next time you sign in.
8. Press **Sign In** to log in to MSN Messenger, or tap Cancel to return to the previous menu.

Add a Buddy to Your Contact List

A buddy is another MSN Messenger user who shares similar interests. MSN Messenger automatically notifies a buddy when the other is online.

1. Once you've logged in to MSN Messenger, tap **Tools**.
2. Tap **Add a Contact**, then enter the E-mail address of the buddy you wish to add to your contact list.

Note: Only valid Passport, Hotmail®, or MSN accounts can be added to your contact list.

3. Tap **Next**.

An instant message is sent to the E-mail address of the buddy you've added notifying them that you've added them to your contact list. They are given the opportunity to accept your request or block further requests. A message appears in your Pocket PC display that confirms or denies the request.

4. Tap **OK** when finished.
5. Your buddy's E-mail address appears under **Online** or **Not Online** in the display, depending on their status.

Start a Chat Session

You can chat with another person if they're online and you'll both receive your responses in "real time," which means that there is very little delay. You can even join more than one chat at the same time.

1. Once you've logged in to MSN Messenger, tap and highlight the buddy that is online.
2. Enter the text of your conversation using the desired method of input, then tap **Send**.
3. If your buddy is online, they will hear a tone and a dialogue box appears in the display of their device.
4. When your buddy responds, you'll receive their response almost immediately.

Invite Others to Chat

If you're involved in more than one chat session at a time, you can invite people from other chat sessions to join you in another session.

1. While in a chat session in which you want to invite others, tap **Tools**. A pop-up menu displays.
2. Tap **Invite**. A list of users from other chats you are involved in displays.
3. Tap and highlight a user in the list that you want to invite.
4. To invite multiple users, repeat steps 1 through 3 as many times as necessary.

View Chat Members

To view the list of members in a chat session:

1. While in a chat, tap **Tools**. A pop-up menu appears in the display.
2. Tap **Chat Members**. The buddy list of members involved in the chat session appear in the display.
3. Tap **OK** to return to the chat screen.

End a Chat Session

1. While in a chat session, tap **OK**.
2. You are returned to the buddy screen.

Block a Contact

Once you block a contact, the blocked contact can't see you online. This works both ways; you can't send a message to a blocked contact, although you can see if they are online.

1. At the buddy screen, tap **Tools**. A pop-up menu displays.
2. Tap **Options**, then select the **Privacy** tab.
3. To add a buddy to the **My Block List**, tap and highlight the name you want in **My Allow List**, and then press >> to move the name over.
4. Tap **OK**. You're returned to the buddy screen.



Unblock a Contact

1. At the buddy screen, tap **Tools**. A pop-up menu displays.
2. Tap **Options**, then select the **Privacy** tab.

3. To move a buddy back to the **My Allow List**, tap and highlight the name you want in **My Block List**, and then press << to move the name over.
4. Tap **OK**. You're returned to the buddy screen.

Sign out of MSN Messenger

1. At the buddy screen, tap **Tools**.
2. Tap to highlight **Sign Out**. You're returned to the MSN Messenger main screen.

Note: If the session does not end, tap  in the title bar, and then tap Disconnect. If you want to suspend and resume the session later, press the End key .

Pocket Internet Explorer

You can use Internet Explorer to view web pages on your i830 in two different ways:

- By downloading pages and then performing an ActiveSync operation.
- By connecting to the Internet Directly via your wireless data connection.

While browsing you can also download new files and programs.



Launch Internet Explorer

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Internet Explorer**.

Note: Microsoft Pocket IE does not support all browser functions supported by PC IE; therefore, browser functions might not work in some internet sites.

Save Favorites

When you find a web page that contains useful or interesting information, it can be saved as a favorite.

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Internet Explorer**.
3. Navigate to the desired website.
4. Tap the yellow star  icon in the command bar.
5. Tap the **Add/Delete** tab.
6. Select the desired folder and tap **Add**.
7. Tap **Add** again.
8. Tap  to save and exit.

Internet Pass Through

Your i830 can use a desktop's/laptop's Internet access when connected to it. Using Internet pass through, your i830 displays online content with Pocket Internet Explorer.

1. Connect the i830 to your desktop/laptop machine and perform an ActiveSync operation.
2. Tap **Start** located in the upper left corner of the screen.
3. Tap **Internet Explorer**.

Pocket Word

Pocket Word works with Microsoft Word on your computer to give you easy access to copies of your documents. You can create new documents or copy documents from your computer to your i830. Synchronize the documents between your computer and your i830 to insure you have the most up-to-date content in both locations.

Use Pocket Word to create documents, such as letters, meeting minutes, and trip reports.

Create a New Document

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Programs**.
3. Tap **Pocket Word**.
4. Tap **New**.

Note: If this is the first document being created, you will automatically be in a new document screen.

5. Enter text using the desired character input method.
6. When finished, tap **OK** to save and exit.

You can open one document at a time. If you try to open a second document, you are asked to save the first document. You can save a document in any one of the following formats:

- Pocket Word Document (*.psw)
- Rich Text Document (*.rtf)
- Plain Text Document (*.txt).

- Word 97/2000 Document (*.doc)
- Word 97/2000 Template (*.dot)

Attach a Recording

You can attach a recording to a word document using the Record option. To attach a recording to an existing document:

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Programs**.
3. Tap **Pocket Word**.
4. Select the desired document form the list.
5. Tap **View** and select **Recording**.
6. Tap ☐ to start recording.
7. When finished, tap ☐.
8. Tap to save and exit.

Pocket Word Options

The following options are available in Pocket Word:

- Default template - Allows you to select Blank Document, Meeting Notes, Memo, Phone Memo, and To Do as the default document.
- Save to - Allows you to select Main memory or a SafeStore as the default document storage location.
- Display in list view - Allows you to display Pocket Word only, Pocket Word & Text, and Known types in the document list view.

Access Pocket Word options

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Programs**.

3. Tap **Pocket Word**.
4. Tap **Tools** and select **Options**.

Delete a Document

To delete a Pocket Word document:

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Programs**.
3. Tap **Pocket Word**.
4. Tap and hold the document you want to delete. A pop-up menu displays.
5. Tap **Delete**. A confirmation window displays.
6. Tap **Yes** to delete the file.

Beam a Document via IR

To beam a document to another Pocket PC user:

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Programs**.
3. Tap **Pocket Word**.
4. Tap and hold the document you want to beam. A pop-up menu displays.
5. Tap **Beam File**.
6. Align the IR ports to beam the file to another user.
7. Tap **OK** when you are finished.

Pocket Excel

Pocket Excel works with Microsoft Excel on your computer to give you easy access to copies of your workbooks. You can create new workbooks or copy

workbooks from your computer to your i830. Synchronize workbooks between your computer and your i830 to insure that you have the most up-to-date content in both locations. Pocket Excel also provides fundamental spreadsheet tools, such as formulas, functions, sorting, and filtering.

Create a New Workbook

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Programs**.
3. Tap **Pocket Excel**.
4. Tap **New**.
5. Enter text using the desired character input method.
6. When finished, tap **OK** to save and exit.

Section 9

Note: You can open one workbook at a time. If you try to open a second, you are asked to save the first workbook.

Delete a Workbook

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Programs**.
3. Tap **Pocket Excel**.
4. Tap and hold the workbook you want to delete. A pop-up menu displays.
5. Tap **Delete**.
6. Tap **Yes** to confirm the deletion.

Beam a Workbook via IR


1. Tap **Start** located in the upper left corner of the screen.


2. Select **Programs**.
3. Tap **Pocket Excel**.
4. Tap and hold the workbook you want to beam. A pop-up menu displays.
5. Tap **Beam File** and align the IR ports.
6. Tap **ok** when finished to exit the IR screen.


Dormant Mode

With your i830 you can seamlessly transition to a voice call and then resume your data connection after your call ends using Dormant mode. Dormant mode allows you to maintain data connections so you can easily continue to instant message, download email, or browse the Web after receiving a call.

There are two communication protocols used to exchange data in a wireless network, 1X and EVDO. Your i830 supports both protocols; however, certain features, such as Dormant Mode, are only available in areas supporting the high-speed 1X and EVDO data protocol and are not available if the area in which you are using your phone uses the 2G data protocol.

When you launch MSN Messenger or Pocket Internet Explorer, your i830 establishes a data session so you can send and receive information while using these programs. When an active data session is established, you will see the data session icon  at the top of your screen.

To suspend your data session and resume it later, tap the  icon. The message, "Data session now dormant" displays.

The inactive  icon appears in the title bar, which indicates the Dormant mode is active. To cancel Dormant mode and resume your data session, select the application you were previously using.

Windows Media Player®

Use Microsoft Windows Media Player for Pocket PC to play digital audio and video files that are stored on your device or downloaded from the web. You can play files in either Windows Media or MP3 format, including files with extensions .asf, .wma, .wmv, and .mp3.


Launch Media Player

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Programs**.
3. Tap **Windows Media**.
4. Tap the **Menu** tab, and tap **Update Library**.
5. Tap **Search** to locate new files. A message “The Library has been updated. To continue, press Done.” displays.
6. Tap **Done**.

Load Media Player files

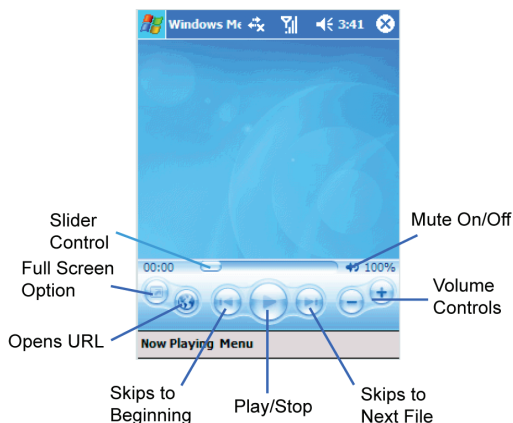
Media player files must be copied to the i830 using the ActiveSync application. The files are copied to the Local Content folder on the i830 after the ActiveSync operation. To load a file:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Programs**.
3. Tap **Windows Media**.

4. Tap **Menu**, then tap **Library**.
5. Select the desired file from the list and tap **ok**.
6. Tap  to play the file.

Media Player Controls

The following settings are available in the media player:



- Tap the Play icon to listen to a file. The Play icon turns into the Pause icon once the file begins playing.
- This slider control adjusts the playback progress of the selected file.
- The volume controls adjust the sound level during playback.
- Tap the mute control to toggle between mute on and off.

Sprite Backup Utility

Sprite Backup helps you protect the data on your Pocket PC from data loss due to hardware failure, drained battery or accidental deletion. Use Sprite Backup to create a backup copy of your Pocket PC's data to a safe location. If data on your Pocket PC is accidentally erased or overwritten or the battery time expires, you can easily restore the data from a backup copy.

Basic Mode and Advanced Mode

Sprite Backup has two modes, Basic and Advanced. The first time you run Sprite Backup, it is in Basic Mode. To switch between the modes, select Options at the bottom of your screen, then select Switch to Advanced Mode or Switch to Basic Mode.

Basic Mode

Basic Mode is the default mode with an easy to use interface for making a backup with the minimum of effort. The Basic Mode screen displays the date and time that your last backup was created and allows you to backup your entire Pocket PC with the tap of a button.


Advanced Mode

Advanced Mode allows you to select the data you want backed up, schedule regular backups, and enable automatic backup when your battery is low. You can also enable encryption and compression, and enable the automatic maintenance of existing backup files.

To access the Sprite Backup Utility, follow these steps:

1. Tap **Start** located in the upper left corner of the screen.

2. Select **Programs**.
3. Tap **Sprite Backup**.
4. Tap **Backup Now** to perform a backup in **Basic Mode**, or tap **Options**, and then select **Switch to Advanced Mode** to select specific files or backup features.

For more information about using the Sprite Backup Utility, launch Sprite and then tap the Windows icon  in the upper left corner of your screen. Select Help from the drop down menu and follow the prompts.

Application Management

Your i830 is powered by Windows Mobile™ 2003 Software for Pocket PC Phone Edition, which allows installation and removal any Pocket PC 2003 compatible application on your device. Pocket PC applications can be downloaded from the web, purchased at retail outlets, or beamed from a friend using the IR feature.

Install New Applications

When a new application is downloaded from the web or installed using a CD, the files are transferred to the mobile device via ActiveSync. ActiveSync checks if enough memory is available before installing a program. To free up memory, simply remove old programs or delete unused files.

Delete an Application

Some applications are large and take up space on your i830. To help manage space and memory requirements for other software that may need to be installed, you can

delete any application not required for your device to operate correctly. To delete an application:

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Settings**.
3. Tap the **System** tab.
4. Tap **Remove Programs** at the bottom of the screen.
5. Select the program from the list and tap **Remove**.

Memory Adjustments

Memory is managed automatically, but it can be adjusted using the memory slider. Memory is allocated to storage and programs. Usually the amount is equally divided; however, you can adjust one or the other to install or use an application with more memory requirements.

1. Tap **Start** located in the upper left corner of the screen.
2. Select **Settings**.
3. Tap the **System** tab.
4. Tap **Memory**.
5. Tap and hold the slider left or right to allocate the desired memory amounts.
6. Tap **OK** to save and exit.

Memory Card

The memory card can be used to backup or save data to avoid accidental loss due to battery discharge or other unforeseen device data complications. The memory storage card is inserted into the slot located on the side of the unit. Once installed, the storage card is displayed on

the i830. When checking the memory allocation as outlined above, the storage card can be selected to get an accurate available memory setting.

The SafeStore option allows you to backup and protect up to 59.59 megabytes of data using the backup utility.



Section 10: Personal Organizer

Topics Covered

- Today Screen
 - Calendar
 - Task List
 - New Command
 - Notes
 - Alarm
 - Calculator
 - Active Sync
-

The topics covered in this section allow you to schedule appointments, view the calendar, create Task lists, set an alarm, perform simple math calculations, and setup up your phone so you can synchronize your files and folders with your desktop PC.



Today Screen

The Today screen is used as a default information screen on the Pocket PC. When the i830 is turned on, the Today screen is displayed. The today screen displays the following information on the screen:

- Current Date and Time
- Owner Information
- Message Status
- Current Tasks
- Current Appointments
- Bluetooth Status

Date and Time Settings



Clock settings can be accessed from the Today screen by tapping the clock icon next to the day and date entry on the screen. Clock settings allow you to set the time zone, time, and date for your home or visiting location.

1. From the Today screen, tap the clock icon .
2. Select either **Home** or **Visiting**.
3. Set the time zone using the drop down arrow.
4. Tap the up or down arrow to set the correct time.
5. Tap the drop down arrow to set the correct date.
6. Tap  to save and exit.

Note: The time on the i830 handset does not automatically change when you travel to another time zone. To ensure that you don't miss any appointments, you must change your clock setting to Visiting and then select the appropriate time zone.

Owner Information

Owner Information is where you can store information on the owner or user of the device. Name, Company, Address, Telephone, E-mail, and Notes information fields are available.

1. From the Today screen, use the stylus and select **"Tap here to set owner information"**.
2. Tap the **Name** box in the Owner Information screen.
3. Use the stylus to tap the correct letters and spaces using the on-screen keyboard. (To select the keyboard, tap the up arrow located in the lower right corner of the screen and select .)
4. Tap the other desired information boxes and enter the information using the stylus and on-screen keyboard.
5. When you are finished entering all the desired information, tap  in the upper right corner of the screen.

Message/Task Status


The Today screen displays the status messages you have received and of the next or current task scheduled. You can view you Inbox or the Task List by tapping on the status lines. For more information about the Inbox, see "Messaging" on page 78 and for more information about your managing tasks, see "Tasks List" on page 144.


Current Appointments

To view the next upcoming appointment and battery indicator without launching the calendar or today screen:

1. Tap the time in the upper right corner of the screen.
2. The Time and Next Appointment screen is displayed.

Bluetooth Status

The Bluetooth Status indicators on the Today screen let you know if Bluetooth is turned on. The profile icons indicate when one of the Bluetooth connections is active. When Bluetooth is Off the Bluetooth icon  is grayed out. For more information about the Bluetooth connections, see "Section 12: Bluetooth® Services" on page 159.

If you tap the Bluetooth icon, the icon appears blue  and On displays next to the profile icons. When a profile is active, its icon is highlighted, which indicates that data is being exchanged between your phone and another Bluetooth device.

Calendar

The calendar allows you to create appointments and reminders for the day, week, month, or year.

Schedule an Appointment


An entry in the calendar is called an appointment or reminder. When you schedule an entry, a description is displayed on the time line, and the duration is set to 1 hour by default. You can easily change the start time and duration for any event. You can schedule the following types of events in the calendar:

- Timed appointments, such as birthdays and meetings, which have a specific date, start, and end time.
- Untimed reminders, such as holidays, and anniversaries. These occur on a particular date but have no specific start or end times; they appear at the top of the list of times in a shaded area. You can schedule more than one untimed event on the same date.
- Repeating appointments, such as a weekly meeting that is held on the same day at the same time each week.
- Continuous appointments, such as a vacation or three-day conference.
- All day events, which reflect the default length of the day as set by the user.



Schedule a Timed Appointment

You can schedule timed appointments for the current date or for future dates.

To schedule a timed appointment for the current date:

1. Press the Calendar button  on your phone to open the calendar to the current schedule.
2. Tap **New**.
3. Enter the **Subject** of the appointment or tap the drop down arrow and select a preset subject.
4. Enter the **Location** if necessary.
5. Tap the drop down arrow next to the **Starts** and select the desired starting time of the appointment.
6. Tap the drop down arrow next to the **Ends** and select the desired ending time for the appointment.
7. Select **Yes** or **No** in the **All Day** setting.

Note: If Yes is selected in All Day the time is automatically removed in the start and end times to indicate that there is no time limit.

8. Tap the **Occurs** box to select the frequency.
9. Tap **Reminder** and select either **None** or **Remind Me**. If **Remind Me** was selected, enter the amount of time before you are reminded.
10. Tap **Categories** and select either Business, Holiday, or Personal. You can also add or delete categories with the **Add/Delete** tab. Tap  when finished.
11. Tap the **Attendees** box to invite others to the appointment from your contacts. Contacts must have an E-mail address to be added as an attendee.
12. Tap the **Status** box and select Free, Tentative, Busy, or Out of office.
13. Tap the **Sensitivity** box and select either Normal or Private.
14. Tap  to save the new appointment.

Change the Calendar view

You can change your calendar view to the following:


- Agenda - Displays a list of the current days appointments.
- Day - Displays the day with times and any appointments.
- Week - Displays the week.
- Month - Displays the month.
- Year - Displays the year.

To change the view of the calendar, follow these steps:

1. Press the Calendar button  on your phone to open the calendar.
2. Tap the row of calendar icons located on the bottom of the screen to switch to the desired view.

Calendar Options

Calendar Options allow you to select what day of the week your calendar starts upon, whether you view a 5-day, 6-day, or 7-day week, options for reminders, and more.

1. Press the Calendar button  on your phone to open the calendar.
2. Tap **Tools** and select **Options**.
3. Tap **1st day of week** to select the day that you want the calendar to start on, either Sunday or Monday.
4. Tap **Week view** to select from a 5-day, 6-day, or 7-day week.
5. To display half hour slots when you view your calendar, tap the empty box to the left of **Show half hour slots**.
6. To show the number of the week in your calendar, tap the empty box to the left of **Show week numbers**.
7. To set reminders for new calendar items, tap the **Appointments** tab, then tap the empty box to the left of **Set reminders for new items**.
8. Select the reminder time in the drop down boxes beneath **Set reminders for new items**.
9. Tap the icons that you wish to display in the calendar.

10. Select **Outlook E-Mail** or **Text Messages** as the default method for sending meeting requests in the drop down box labeled **Send meeting requests via**.
11. Tap **OK** to save your settings and return to the calendar.

Tasks List

A task is something that needs to be done in a certain amount of time and requires a reminder once the deadline has been reached. Once a task is complete, it can be checked off and another task can be started. A task list can be set up to keep track of tasks. Tasks can also be prioritized, so that higher priority items are finished first.

Create a new Task

1. Tap **Start** located in the upper left corner of the screen and select **Programs**.
2. Tap **Tasks**.
3. Tap **New**.
4. Enter a **Subject**. You can also tap the drop down arrow to select a default subject.
5. Tap the **Priority** box and select:
 - High
 - Normal
 - Low
6. Tap the **Status** box, the select completion status.
7. Tap the **Starts** box and enter the starting date.
8. Tap the **Due** box and enter the ending date.

9. Tap the **Occurs** box and select how often the task occurs.
10. If you would like a reminder of when the task is due, tap the **Reminder** box and select **Remind me**.
11. Tap the **Categories** box and select Business, Holiday, or Personal. Tap **ok**.
12. Tap the **Sensitivity** box and select Normal or Private.
13. Tap **ok** to save the task.

When the task is saved, it is added to the task list. The task list allows you to sort the tasks based on priority level, subject, start date, due date, or status.

Mark a Task complete

When a task is completed, a check is used to indicate the item is done.

1. Tap **Start** located in the upper left corner of the screen and select **Programs**.
2. Select **Tasks**.
3. Locate the desired task from the list and tap the check box located to the left of the task entry.

Task Options

The following task options are available in the task list:

- Set reminders for new items - If this option is selected, an alert is automatically created when a new task is created.
- Show start and due dates - If this option is selected, the start and due date is displayed in the task list.

Access Task Options

1. Tap **Start** located in the upper left corner of the screen and select **Programs**.
2. Select **Tasks**.
3. Tap **Tools** and select **Options**.

The Task Entry Bar


The task entry bar option automatically places a bar at the top of the screen to allow you to create a new task without navigating through the menu. You simply tap the bar and enter a name to create a new task. This option does not put in any start or end times. To enter any additional information you need to edit the task.

Activate the Entry Bar

1. Tap **Start** located in the upper left corner of the screen and select **Programs**.
2. Select **Tasks**.
3. Tap **Tools** and select **Entry Bar**.

Edit a Task

To edit a task:

1. Tap **Start** located in the upper left corner of the screen and select **Programs**.
2. Select **Tasks**.
3. Select the desired task from the task list.
4. Tap **Edit**.
5. When finished, tap  to save and exit.

Beam a Task via IR

You can beam a task to another Pocket PC using the IR port. This operation requires that both users have the Pocket PC software. To beam a task:

1. Tap **Start** located in the upper left corner of the screen and select **Programs**.
2. Select **Tasks**.
3. Select the desired task to beam.
4. Tap **Tools** and select **Beam Task**.
5. Tap and hold on a task to access **Beam Task** option.
6. When the task is successfully transferred, OK appears in the display.

Add a Note to a Task

1. Tap **Start** located in the upper left corner of the screen and select **Programs**.
2. Select **Tasks**.
3. Select the desired task from the task list.
4. Tap **Edit**.
5. Tap the **Notes** tab.
6. When finished adding the note, tap **OK** to save and exit.

Delete a Task

1. Tap **Start** located in the upper left corner of the screen and select **Programs**.
2. Select **Tasks**.
3. Tap the desired task from the task list.

4. Tap **Tools** and select **Delete Task**.
5. You can access to delete **Task** when tap and hold the desired task in the list.
6. Tap **Yes** to confirm the deletion.

New Command

The New command located in the bottom left side of the screen allows you to create a new:

- Appointment
- Contact
- Excel Workbook
- Message
- Note
- Task
- Word Document

To access the New command:




1. Tap **New** located in the bottom left corner of the screen.
2. Select any of the choices to launch the application.

Notes


Quickly capture thoughts, reminders, ideas, drawings, and phone numbers with Notes. Notes can be attached to contacts, appointments, messages, and tasks. Notes can be either recorded or written.

Record a Note

1. Tap **Start** located in the upper left corner of the screen.

2. Tap **Programs**, then tap **Notes**.
3. Tap **New**.
4. Tap the recording icon .
5. Tap  to start recording, and then tap  to stop.

Record a Quick Note



- When you are located in the Notes application, you can press and hold  located on the Voice Memo key on the side of your phone to begin recording quickly. When you release the button, the recording stops and the new note is displayed in the notes list.

Record Yourself During a Call

During a call you can record yourself speaking to another caller, so you can save directions or a phone number.

Note: You can only record your voice and not the other caller using this feature.



To record:

1. Make a call to the desired person.
2. During the conversation, press and hold  located on the Voice Memo key on the side of your phone to begin recording.
3. When finished, release the  to stop recording.
4. End the call.

Note: The call needs to be disconnected to listen to the recording. If the call is still connected, there is no audio.

5. To listen to the recording, tap the entry from the notes list.

Write a Note

1. Tap **New** in the lower left hand corner of the screen.
2. Tap the writing icon . This is the default choice.
3. Select the character input method by tapping the arrow in the right bottom corner.
4. Compose your note, then tap  when finished.

Delete a Note

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Programs**, then tap **Notes**.
3. Tap the note you want to delete from the list of notes displayed.
4. Tap **Tools** and select **Delete Note**.
5. You can delete a note when you tap and hold the desired note in the list.
6. Tap **Yes** to confirm the deletion.

Note: You can also tap and hold the note in the notes list, then select Delete from the pop-up menu.

Note Options

The following options are available for Notes:

- Default mode - This option allows you to select a default mode of Writing or Typing.
- Default template - Allows you to select Blank Note, Meeting Notes, Memo, Phone Memo, or To Do as the default note.

- **Save to** - Allows you to select Main memory or a SafeStore as the default note storage location.
- **Record button** - This option allows you to add a recording to your note in addition to the written note.


To access the note options, follow these steps:

1. Select **Notes**.
2. Tap **Tools** and select **Options**.



Alarm

Schedule an Alarm

Your phone has four alarm clocks that can be configured to ring daily at a desired time. To set up the alarm clock:

1. From the Today screen, tap the clock icon .
2. Tap the **Alarms** tab.
3. Tap the box next to the desired alarm.
4. Tap the day of the week.
5. Tap the time to display the time settings. Tap the up or down arrows to select the desired time.

Note: Tap the AM or PM to cycle between them.


6. Tap  when finished, and then tap  again to save and exit.

Calculator

The calculator allows you to perform general mathematical functions, such as addition, subtraction, multiplication, and division. You can use the calculator to

perform basic calculations, store and retrieve values, and display the last series of calculations.

Using the Calculator

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Programs**, then tap **Calculator**.
3. Tap the numbers and functions you want.
4. When finished, tap  to exit.

ActiveSync®

Microsoft ActiveSync synchronizes data between your PC and the i830. ActiveSync is already installed on the i830, but needs to be installed on your PC before you can synchronize data.

System Requirements

Your computer needs the following software and hardware to use ActiveSync:

- Microsoft Windows XP, Windows 2000, Windows Millennium Edition, Windows NT Workstation 4.0 with SP6 or later.
- Microsoft Internet Explorer 4.01 SP1 or later
- Hard-disk drive with 12 to 65 MB of available hard-disk space (actual requirements will vary based on selection of features and user's current system configuration)
- Infrared port, or USB port (available for Windows 98, Windows Me, Windows 2000, and Windows XP only)
- A CD-ROM drive
- VGA graphics card or compatible video graphics adapter at 256 color or later

Install ActiveSync

1. Search www.microsoft.com to download the ActiveSync software on your PC.
2. Select the Start Here tab.
3. Click the Install ActiveSync 3.7 menu selection.
4. Click Install and follow the onscreen instructions.

Connect the Cradle

1. Connect the USB connector from the i830 cradle to an available USB port on your PC.
2. Plug the AC adapter for the cradle into a standard 120 VAC wall outlet.
3. Insert the i830 into the cradle, bottom end first.
ActiveSync detects the i830 and you're prompted to setup a partnership.

Setup a Partnership

After you've installed ActiveSync, connected the desktop cradle to your PC, and inserted the i830 into the cradle, you're prompted to setup a partnership. There are two types of partnerships Standard Partnership and Guest Partnership.

- A Standard Partnership synchronizes data between your i830 and PC. Synchronization ensures that all relevant data is updated, and is the best method for using your i830 along with your PC to keep files up to date and stay connected.
 - A Guest Partnership simply transfers files between your i830 and PC.
1. Select the desired partnership and click Next.

2. Select how you want to synchronize data and click Next.
3. Enter a unique name for your device and click Next.
4. Select or deselect the desired applications that you wish to synchronize, then click Next.
5. Click Finish.

The i830 and the PC should perform the first ActiveSync. This may take some time, depending on the amount of information that needs to be synchronized.

ActiveSync via IR

If you need to use ActiveSync and don't have a cable, you can use the IR port.

1. On the PC, launch the ActiveSync application.
2. Click File and select Connection Settings.
3. Click the check box next to Allow serial cable or infrared connection to this COM port.
4. Click the drop down arrow and select Infrared Port (IR).
5. Click OK to close the window.
6. On the i830, tap Start located in the upper left corner of the screen.
7. Tap ActiveSync.
8. Tap Tools and select Connect via IR.
9. Aim the two devices at one another.

Section 11: Network Services

Topics Covered





- Call Forwarding
 - Three-way Calling
 - Call Waiting
 - Caller ID
-

This section allows you to set up the network functions supported by your carrier. Some of these services may not be available due to coverage area or service plans. If you have any questions, please contact your service provider.

Call Forwarding

Call Forwarding allows you to forward all your incoming calls to another phone number, even when your phone is turned off.

To activate call forwarding, follow these steps:

1. Tap   .
2. Enter the area code and phone number where the incoming calls are forwarded.
3. Tap . A confirmation recording confirms the feature change.





To deactivate call forwarding, to the following:

- Tap     . A confirmation recording confirms the feature change.

Three-way Calling

Three way calling allows you to talk to two different people at the same time. When using this feature, normal airtime rates apply for each of the two calls.

To use three way calling:

1. Enter the number you wish to call and tap .
2. During the conversation, tap .
3. Dial the second person and tap .
4. When the person answers, tap  again to connect all three parties.


If one of the people you called hangs up, you and the remaining caller stay connected. If you initiated the call

and are the first one to hang up, all three calls are disconnected.

Call Waiting




You can answer an incoming call while on an existing call. If you are on an existing call and another call is received, a tone is heard and a call waiting message is displayed on the screen. If the caller is stored in the address book, their name is also displayed.

Answering a waiting call

1. Tap the Answer button. The phone connects to the other call while placing the existing caller on hold.
2. Tap the  button again to switch back over to the original caller.

Caller ID

Caller ID alerts you to who's calling by displaying the phone number of the person calling when you receive an incoming call. Similarly, if you call someone who has this feature, your phone number displays on their phone. If the caller's name and number are already stored in your Internal Phone Book, the corresponding name appears with the number.

- To block caller ID from displaying when you call another user, tap    and then dial the phone number.

Section 12: Bluetooth® Services

Topics Covered

- About Bluetooth Wireless Technology
 - Bluetooth Service Profiles & Modes
 - Bluetooth Bonds
 - Bluetooth Hands-free Device
 - Bluetooth OBEX FTP
 - Bluetooth Virtual Serial Port
 - ActiveSync via Bluetooth Wireless Technology
 - Using Bluetooth Keyboard
 - Beaming Using Bluetooth
-

This section explains the Bluetooth wireless technology and features available with your Samsung SCH-i830, as well as certain connection related details necessary for configuring your phone to work with these services.

About Bluetooth Wireless Technology

Bluetooth wireless technology provides short range wireless communication exchange over a distance of about 30 feet without requiring a physical connection.

Unlike infrared, you don't need to line up the devices to beam information using Bluetooth. If the devices are within a range of one another, you can exchange information between them, even if they are located in different rooms.

Your i830 allows you to beam files, appointments, tasks, and contact cards between common devices or you can use Bluetooth wireless technology enabled peripherals to integrate with your device.

Bluetooth Service Profiles

Actually, the Bluetooth wireless technology specification is a protocol that describes how the short-range wireless technology works, whereas individual profiles describe the services supported by individual devices like your i830. Profiles reduce the chance that different devices will not work together.

Your i830 supports the following profile services:

- SDAP (Service Discovery Application Profile)
- FTP (File Transfer profile)
- GAP (Generic Access Profile)
- HFP (Hands Free Profile)
- HSP (Headset Profile – Note: stereo headset profile not supported)

- HID (Human Interface Device Profile - Bluetooth keyboard only)
- OBEX (Object Exchange Profile)
- SPP (Serial Port Profile)
- ActiveSync (Uses SPP to connect to ActiveSync on a computer)


Bluetooth Modes

Bluetooth operates in two modes:

On/Off Mode

When the Bluetooth radio is turned on, you can use the Bluetooth wireless technology features available in the i830. When the Bluetooth radio is turned off, you cannot send or receive information via Bluetooth. To save battery life or in situations where radio use is prohibited, such as airline traveling, you can turn off Bluetooth wireless technology in your i830.

Turning Bluetooth On/Off

1. Tap **Start** in the upper left hand portion of your screen.
2. Tap **Settings**, and then select the **Connections** tab.
3. Tap **Bluetooth**.
4. Select or clear the “**Turn on Bluetooth**” check box. The Bluetooth radio is turned on or off depending on your selection.
5. Tap  to return to the Connections tab.

Note: You can tap the Bluetooth icon on your Today screen to quickly turn Bluetooth on and off. Bluetooth wireless technology turns off when your phone is off.

Discoverable Mode

When your i830 is discoverable, other devices will automatically detect it while searching for compatible Bluetooth wireless technology enabled devices with which to connect. Your phone must be on and you have to turn on the embedded Bluetooth radio.

When the discoverable mode is active, a message displays when another device attempts to establish a bond or connect with your phone. You must accept the incoming beam to exchange data or information with other compatible Bluetooth wireless technology enabled devices.

Making your i830 Discoverable

To set your phone to be discoverable by other devices, follow these steps:

1. Tap **Start** in the upper left hand portion of your screen.
2. Tap **Settings**, and then select the **Connections** tab.
3. Tap **Bluetooth**.
4. Select the “**Turn on Bluetooth**” check box, and then select the “**Make this device discoverable to other devices**” check box.

Other common devices can now detect your device and attempt to beam information to it, establish a connection, or use a Bluetooth service.

Note: If you do not want your i830 to be discoverable, clear the “Make this device discoverable to other devices” check box.

Bluetooth Bonds

A bond is a relationship that you create between your i830 and another Bluetooth wireless technology enabled device to exchange information in a secure manner. Creating a bond involves entering the same Passkey on the two devices sharing a bond. Once a bond is created between devices, the devices do not have to be discoverable to exchange information; however, each device must have its Bluetooth radio on.

Bonds are created only once between devices. Once a bond is created, devices can exchange information as soon the bond is recognized, eliminating the need to discover one another or to enter security features like a common Passkey.

Creating Bluetooth Bonds

You can create a bond between your device and another device that has Bluetooth wireless technology. Once you do this, Bluetooth doesn't need to be in discoverable mode in order for you to beam information between the two devices; the Bluetooth radio only needs to be turned on.

To create a Bluetooth bond, follow these steps:

1. Make sure that the two devices are within range of one another and that Bluetooth discoverable mode is enabled on both devices.
2. Tap **Start** in the upper left hand portion of your screen.
3. Tap **Settings**, and then select the **Connections** tab.
4. Tap **Bluetooth**, and then select the **Devices** tab.

5. Tap **New**. Your device searches for other Bluetooth wireless technology enabled devices and displays them in the list.
6. Tap the name of the other device you want, and then tap **Next**.
7. Enter a Passkey, which should be between 1 and 16 characters, and tap **Next**.

Note: You must enter the same Passkey on both devices.

8. Change the name of the device associated with the bond, if desired, and then tap **Finish**.

Accept a Bond

To accept an incoming bond, follow these steps:

1. Make sure that Bluetooth is turned on and the device is discoverable.
2. When prompted to bond with the other device, tap **Yes**.
3. Enter a Passkey, which should be between 1 and 16 characters and must match the Passkey entered on the originating device.
4. Tap **Next**.
5. Change the name of the device associated with the bond, if desired, and then tap **Finish**.

Rename a Bond

The name of each bond can be changed, if necessary, by following these steps:

1. Make sure that the two devices are within range and that Bluetooth is discoverable on both devices.
2. Tap **Start** in the upper left hand portion of your screen.
3. Tap **Settings**, and then select the **Connections** tab.
4. Tap **Bluetooth**, and then select the **Devices** tab.
5. Tap the bond you want to rename.
6. In the **Name** field, enter a new name for the bond.
7. Tap **OK**.

Bluetooth Hands-free Device

You can use a Bluetooth Hands-free device with your i830.

1. Create bond between your i830 and the Bluetooth Hands-free device. For information on creating a bond, see "Bluetooth Bonds" on page 163.
2. If the Hands-free device has Bluetooth wireless technology functionality, the message "Would you like to designate (Hands-free device name) as a hands-free device?" displays.
3. Tap **Yes** to set the Hands-free as your default Hands-free device.

Note: To change your default Hands-free device, select Start>Settings>Connections tab>Bluetooth>Devices, then tap and hold the device you want. Tap **Set as Hands free** on the pop-up menu.

Using Bluetooth Hands-free Device

Some or all of the features below are available when using your Bluetooth Hand-free device.

1. Voice recognition using the built-in “VoiceSignal” application.
2. Last number redial
3. Call holding and call switching
4. Caller ID display
5. End a call
6. Switching to a private call

Note: For specific information about the features available with your Hands-free device, please refer to the manual provided with your device.

Bluetooth OBEX FTP

You can use the OBEX FTP application provided with your i830 to exchange data with other devices with Bluetooth wireless technology as the transport layer. The OBEX FTP application has both a server and client component. To use your i830 as Bluetooth OBEX FTP server, set your i830 as discoverable, so the OBEX FTP client will search for and automatically establish an OBEX FTP connection.

Note: Although your i830 has both an OBEX FTP server and client component, some devices only support the OBEX FTP client functionality.

Bluetooth OBEX FTP Server Setting

If i830 OBEX FTP client attempts an OBEX FTP connection with a PC, Bluetooth bonding is usually required. The default shared folder of i830 OBEX FTP server is

“\My Documents”; however, you can adjust the OBEX FTP server settings, such as authentication, shared folder, and writing permission, in OBEX FTP tab under Bluetooth settings.


Exchanging Files via OBEX FTP Server

When a client device attempts to download or upload files from your i830 OBEX FTP server, a dialog box displays either, “Do you want to send?” or “Do you want to receive?” confirmation message, depending on the related task. In either case, tap “Yes” to confirm that you want to upload or download the file from your server.



Using Bluetooth OBEX FTP Client

You can use the OBEX FTP client to exchange or delete files and create folders on an OBEX FTP server.

Additionally, you can use Bluetooth wireless technology or IrDA (Infrared) as the transport layer when accessing the OBEX FTP feature.


1. Tap **Start** located in the upper left corner of the screen.
2. Select **Programs**.
3. Tap the **OBEX FTP**  icon.

The OBEX FTP client default screen displays with this message, “Do you want to search OBEX FTP device?”.

4. Tap Yes to search for OBEX FTP servers.
5. If available, a list of OBEX FTP servers near your i830 is displayed. Bluetooth OBEX servers have a Bluetooth  icon, while IrDA OBEX servers have an IrDA  icon next to their entries.
6. Select the OBEX FTP server with which you want to connect, and tap the **OK** button.

Note: It may be necessary to create a Bluetooth bond with the OBEX FTP server before you can connect to it.

7. When you connect, your i830 displays the available folders and files on your screen.

Tip: If the OBEX FTP server you select has an authentication functionality, you should set the OBEX password before making your connection. To set the password, tap the OBEX Tool  icon, and then select **Config OBEX Password**. Enter the password, and tap the OK button.

Bluetooth Virtual Serial Port

There are many Bluetooth wireless technology devices that support the Bluetooth serial profile, such as GPS. You can use the i830 Bluetooth virtual serial port to make Bluetooth serial connection with such devices.

Setting Bluetooth Virtual Serial Port

1. Create a Bluetooth bond between your i830 and the device you want to use. For information on creating a bond, see "Bluetooth Bonds" on page 163.

2. If the device supports the serial port profile, this message, “(Device) support synchronizing using Bluetooth. Would you like to designate it as an ActiveSync partner?” displays.
3. Tap No if you don't want to make an ActiveSync connection via the Bluetooth Virtual Serial Port.
4. After establishing a bond with the device, tap New Outgoing Port on “COM Ports” tab under Bluetooth settings.
5. Select the port, and then tap OK.

Connecting a Virtual Serial Port Device

The port you selected above can now be used in other applications available on your i830. For example, you can choose the port for communication when using a Bluetooth GPS application.

ActiveSync via Bluetooth Wireless Technology

To use ActiveSync via Bluetooth wireless technology, you need to configure the settings for both your PC and your i830.

PC Configuration

1. Add a COM port in the Bluetooth application you use on your PC.
2. In ActiveSync, select File>Connection Settings.
3. Choose the COM port added in Step 1, and then check “Allow serial cable or infrared connection to this COM port.”

PDA Configuration

1. Create a Bluetooth bond between your i830 and your PC.
2. Tap Yes in the Bluetooth ActiveSync dialog box that displays, “(Your PC) supports synchronizing using Bluetooth. Would you like to designate it as an ActiveSync partner?”
3. Select Start>ActiveSync.
4. Select Tools, then tap “Connect via Bluetooth.”

Using Bluetooth Keyboard

Your i830 supports the Bluetooth HID (Human Interface Device) profile for optional keyboards. To use a Bluetooth wireless technology enabled keyboard, follow these steps:

1. Create a Bluetooth bond between your i830 and the Bluetooth keyboard. (Refer to the keyboard's manual for specific instructions on how to establish a bond with the device.)
2. Select Start>Settings>Connections>Bluetooth>HID tab. The device name for the keyboard displays on this screen.
3. Tap and hold the device name, and then select Connect to establish an HID connection between your i830 and the keyboard.
4. To disable the keyboard, tap and hold the device name again, and then select Disable.

Section 13: Accessories and Games

Topics Covered

- Accessories
 - Remote Control
 - Ringtone Manager
 - Beam & SD I/O Expansion Slot
 - Games
-

This section outlines the available gaming options and accessories for your phone.

Accessories

Your i830 supports many accessories that make your phone truly unique. You can use your phone as a remote control for other electronic devices, such as a TV or VCR, or you can add an optional Hands Free Kit to allow you to operate your phone while you drive, and your phone has a built-in infrared (IR) port to allow you to transmit files, contacts, or download information from other compatible devices.

Remote Control


The Remote Control software is a Universal Remote Control Program with a pre-defined RC database and self-teach/learn mode. It consists of 5 profiles that include, TV, DVD, VCR, Audio and Other. Each profile can have up to 32 keys or functions so you can use your PDA's hardware keys or touch screen to navigate and control each individual device.

This application turns your i830 phone into a universal remote that lets you wirelessly control your infrared (IR) controlled devices. One unit that replaces all of your remote controls.

Launch RC Program

To launch the Remote Control application, follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Programs**.
3. Tap **Remote Control**. The Remote Control application displays the last device or profile used.

Note: To display the Remote Control Home Screen, tap the  icon at the top of the current device. To select a different device, tap the current device name to display a drop down menu of all devices available.

Add a Device

Before you can use your remote control program to control a device, you must add the device. The 5 profiles enable you to add a device, either by brand, which are listed in the database for each pre-defined profile, or by selecting self-learn where the device is set up using the Learn feature described below.

Add by Brand

1. Launch the Remote Control application.
2. Tap **Options**, then select **Add device**.
3. Tap **By brand**, then select the type of device you are adding. The Add device wizard displays. Choose one of the following:
 - TV, DVD, VCR and Audio
4. Select a device from the brands listed.
5. Tap **Done** to exit.

Add by Self-learn

1. Launch the Remote Control application.
2. Tap **Options**, then select **Add device**.
3. Tap **Self-learn**. The Add device by self-learn wizard displays.
4. Tap **Next**, then enter the name for your device.

5. Tap **Done** to exit. The device is added to the Other profiles. For information about the how to program each key, see "Programming Self-learn Devices" on page 175.

Delete a Device

To remove a device, follow these steps:

1. Launch the Remote Control application.
2. Display the Remote Control Home Screen, if necessary.
3. Tap **Options**, then tap **Delete device**.
4. Highlight the device you want to delete from the Delete device screen, then tap **Delete**.
5. Tap **Yes** to confirm that you want to delete the device. The Delete Device screen displays.

Reset All Devices

To remove all devices added to your profile at the same time, follow these steps:

1. Launch the Remote Control application.
2. Display the Remote Control Home Screen, if necessary.
3. Tap **Options**, then tap **Reset all**. The Reset device confirmation screen displays.
4. To remove all of the devices you have added, tap **Yes** or tap **No** to cancel.

Note: Removing devices or selecting **Reset all** does not remove the device profiles stored in the pre-defined product databases. However, if you add a device using Self-learn and then remove it, you will have to repeat the learning and programming steps each time you add the device to your profiles.

Programming Self-learn Devices

When you add devices using Self-learn, you must program or use the built-in learn feature to setup or teach your remote how to control a device. To use the built-in learn feature, follow these steps:

1. Launch the Remote Control application.
2. Display the Remote Control Home Screen, if necessary.
3. Add a device using the Add by Self-learn feature described in “Add a Device” above.
4. After adding a device, tap Other on the Remote Control home screen. If the device you want does not display, tap the current device name to display a drop down list of all devices available.
5. Select the device you want, then tap any key to begin. Follow the onscreen prompts to program the keys and functions defined on the default Self-learn profile.

It's possible that the default profile created when the Self-learn option is used provides keys you don't need or, more likely, doesn't provide a key for a specific feature or function you do want to be able to control. In either case, you have the option of adding or deleting keys to suit your needs. You can even move the keys around if necessary.

The sections that follow describe how to modify your remote control profiles.

Adding Keys

Once you have performed the steps in "Programming Self-learn Devices" on page 175 above, you can add other keys or functions to a profile.

Note: If you try to add keys before programming a device profile, then the self-learn feature automatically starts when you select "Add key" from the Options menu.

To add a key to a profile, select the device you want, and then follow these steps:

1. Tap **Options** at the bottom of the current selected device profile.
2. Tap **Add key**. A pop up message displays that says to select a blank space for the new key.
3. After the Select Key list displays, highlight the key or function you want to add. Use the scroll bar to view the entire list, if necessary.
4. Tap **Done**. If the key or function already exists in the profile, a pop up message displays. You can either select another key or function to add or select **Cancel** to exit.

Deleting Keys

To delete a key in a profile, select the device you want, and then follow these steps:

1. Tap **Options** at the bottom of the current selected device profile.

2. Tap **Delete key**. A pop up message displays that says to tap the key you want to delete.
3. Tap **Yes** to confirm that you want to remove the key. The key is removed and the device profile displays.

Moving Keys

To move a key in a profile, select the device you want, and then follow these steps:

1. Tap **Options** at the bottom of the current selected device profile.
2. Tap **Move key**. A pop up message displays that says to select the key you want to move.
3. Tap the key you want to move, then select a blank space where you want to move the key to.
4. Tap **Yes** to confirm. The key is moved and the Device Remote screen displays.

Ringtone Manager

The Ringtone Manager application allows you to easily manage all of your preloaded and downloaded ringtones by placing them into either the default categories defined by the application or by grouping your ringtones into categories you decide to add.


With the Ringtone Manager, you can:

- Play and review any stored ringtone. These formats are supported:
 - wma/mp3
 - MIDI Types:
 - MIDI

- XMF, Mobile XMF
 - Mobile DLS
- Legacy Types:
 - RMF
 - iMelody, RTTTL, RTX
 - SMAF MA1, MA2 & MA3 compliant
- Set a tone as your phone's ringtone
- Move ringtones from one category to another
- Add, rename, or delete ringtone categories

Launching Ringtone Manager

To launch Ringtone Manager, follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Programs**.
3. Tap the **Ringtone Manager**  icon. The application screen displays.

Previewing Ringtones

To preview a stored ringtone, follow these steps:

1. Launch Ringtone Manager.
2. Tap and hold the ring tone to which you want to listen. A pop-up menu displays.
3. Tap **Play** or press the center key on the navigation key.
4. To stop playing the ring tone, tap and hold the ring tone again, then select **Stop** from the pop-up menu or press the center key again to cancel.

5. To review a history of the ringtones you have set as a default, tap the current ringtone displayed at the bottom of your screen.

A pop up menu displays listing all previously selected default ringtones.

Setting Your Phone's Ringtone

To change the ringtone played when you receive an incoming call, follow these steps:

1. Launch Ringtone Manager.
2. To review the ringtone, tap **Current** next to the ringtone name.
3. To set a different ringtone, select the ringtone category with the ringtone you want.

Note: To change between categories, tap the Category Bar to display a drop-down menu and then tap the category you want. You can also tap either the right or left arrows in the Category Bar to move to the next category in the list.

4. Tap and hold the ringtone to display a pop-up menu.
5. Tap **Set as Ringtone** to set the file you selected as your current ringtone.

Note: Alternatively, you can also highlight the ringtone you want to set as your default, tap **Menu** at the bottom of your screen, and then tap **Set as Ringtone**.

Creating Ringtone Categories

There are three default categories for Ringtone Manager, which are:

- Basic
- Cheerful
- Mood

When you select a category, a list of ringtones displays. To add other categories to Ringtone Manager, follow these steps:

1. Launch Ringtone Manager.
2. Tap **Menu**, and then tap **Edit Category**. A list of the current categories displays.
3. Tap **New**, and then enter the name of the category in the Category Name field.
4. Tap **OK** to add the category to Ringtone Manager.

Moving Ringtones Between Categories

To move ringtone files between categories, follow these steps:

1. Launch Ringtone Manager.
2. Tap **Menu**, and then tap **Move Category**. A list of the current categories displays.
3. Tap the category you want to move the ringtone to, then tap **OK**.

Renaming or Deleting a Category

You can change the name or delete any of the categories listed in Ringtone Manager.

To edit or rename a category, follow these steps:

1. Launch Ringtone Manager.

2. Tap **Menu**, and then tap **Edit Category**. A list of the current categories displays.
3. Tap the category you want to rename, then tap the **Rename** button.
4. Re-enter the category name, and then tap **OK**.

To delete a ringtone category, follow these steps:

1. Launch the Ringtone Manager application.
2. Tap **Menu**, and then tap **Edit Category**. A list of the current categories displays.
3. Tap the category you want to delete, then tap the **Delete** button.
4. When the confirmation pop-up displays, tap **OK** to delete the ringtone category.

Beam

Your i830 can receive and transmit files using its built-in infrared (IR) port. However, you must set your i830 to accept incoming beams before receiving files.

Note: You cannot receive incoming IR beams unless you set your i830 to accept all incoming beams.

Accepting Incoming Beams

To set your i830 to accept all incoming IR beams, follow these steps:

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Settings**.
3. Tap the **Connections** tab.

4. Tap the **Beam** icon.
5. To exit, check the checkbox before contents of 'Receive all incoming beams' on display, tap **OK**.

Sending a Beam

You can beam contacts, documents, tasks, workbooks, and even pictures to other devices that are IR capable. To send an IR beam to another device, you must align the IR ports of both devices, and then select "Beam . . ." from the appropriate menu. See the appropriate sections that follow for specific details on beaming files to another device.

SD I/O Expansion Slot

The SD I/O Slot on the right side of the i830 is for use with an SD (secure digital) card. SD cards come in a variety of sizes and can hold up to 1 GByte of data. Download and use applications, games, and more using the enhanced storage capacity of the SD card.

Tip: The SD Slot is an I/O port that supports both input and output SD peripherals.

Transfer data to the SD Card from your Computer

1. Insert the SD Card (label side up) into the slot on the right side of the i830. The beveled edge should be facing toward the top of the phone.
2. Insert the i830 into the desktop cradle and synchronize the device with your PC via ActiveSync.
3. Open Windows Explorer then highlight the application or folder that you wish to transfer to the SD Card.

4. Highlight and copy the file(s) or folder(s) to your computer's clipboard.
5. Using the ActiveSync menu, click the Explore icon to open the My Pocket PC folder.
6. Double-click on the My Pocket PC folder.
7. Double-click the Storage Card folder to open. Any contents of the SD Card appear in the display.
8. Locate the folder or sub folder where you wish to paste the files that you've copied.
9. Press Ctrl-V on your computer to paste the files or folders on your computer's clipboard to the i830 SD Card.

Use the SD Card

Once you've transferred files from your computer to the SD Card using ActiveSync, you can access games or applications that have been transferred to your SD Card.

For example, if you've transferred any multimedia files onto your SD Card that are compatible with Windows Media Player, simply open Windows Media Player and select the media file that you wish to play. There is no need to look or browse your phone for the SD Card. The SD Card is recognized when it is installed.

Remove the SD Card

1. Press in on the card with your fingernail until you hear a click, then quickly release. The card pops out of the slot approximately one quarter of an inch.

2. Grasp the exposed section of the card and pull it out with your fingers.

Games

There are two games included with your i830. Jawbreaker and Solitaire are listed in the Games folder under Programs. You can download other games and add these to your Games folder or you can purchase many games on optional memory cards that can be used on your Pocket PC.


Jawbreaker

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Programs**.
3. Tap **Games**, then select **Jawbreaker**.
4. Tap **Game** and then select **New Game** to begin play.
5. Tap **Game** and then tap **Options** to display the options screen for the game.
6. Change the options you want and then press **(ok)** to return to the game.

Note: Pocket PC games can be downloaded from the Internet and stored on your Pocket PC or SD Card. Instructions from the game download site should inform you of the location (folder) in which to store the application on your Pocket PC.

Solitaire

1. Tap **Start** located in the upper left corner of the screen.
2. Tap **Programs**.
3. Tap **Games**, then select **Solitaire**.

4. Tap **New** to display a new game. Play is ready to begin.
5. Select **Tools** and then tap **Options** to display the options screen for the game.
6. Change the options you want and then press  to return to the game.

Section 14: Health and Safety Information

Topics Covered

- 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.



Section 14

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. Body-worn operations are restricted to Samsung-supplied, approved, or non-Samsung designated accessories that have no metal and must provide at least 1.5 cm separation between the device, including its antenna (whether extended or retracted) and the user's body. Non-compliance with the above restrictions may result in violation of 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: 1.17 W/Kg.
- Body-worn: 0.367 W/Kg.

SAR information on this and other model phones can be viewed on-line at www.fcc.gov/oet/fccid. 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.

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:

- 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-slc.gov/index.html>
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/topics/emf/>
- World Health Organization (WHO):
<http://www.who.int/peh-emf/en/>
- International Commission on Non-Ionizing Radiation Protection (ICNIRP):
<http://www.icnirp.de>
- National Radiation Protection Board (UK):
<http://www.hpa.org.uk/radiation/>

- US food and Drug Administration
<http://www.fda.gov/cellphones>

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. Remember, it is a free call on your wireless phone!
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.wow-com.com

Provided by the Cellular Telecommunications & Internet Association

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).

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.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.
- should not carry the phone in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

If you have any reason to suspect that interference is taking place, switch your phone off immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

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, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

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 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

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

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.

- Hold the phone with the antenna raised, fully-extended and over your shoulder.
- Try not to hold, bend or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- 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.
- Use the battery only for its intended purpose.
- 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.
- 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's.
- 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.
- 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 15: Warranty Information

Topics Covered

- Standard Limited Warranty
-

This section explains the warranty information for your new phone.

Standard Limited Warranty

What is Covered and For How Long? SAMSUNG

TELECOMMUNICATIONS AMERICA, L.P. ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case/ Pouch	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, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance,

installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. 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 leather 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 ays, 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 ASSET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- "THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- "WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- "DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- "THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- "COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED

WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND

RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. SOME STATES/PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL

RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE/ PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS. THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRDPARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR

EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

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