

# **SPH-i500**

## **User's Manual**

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

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# Safety Quick Guide

Read these guidelines before using your wireless phone. Failure to comply with these guidelines may be dangerous or illegal. For more detailed safety information, see "Health and Safety Information" on page 15.

## **Road safety comes first**

Do not use a hand-held phone while driving; park the vehicle first.

## **Switch off when refueling**

Do not use the phone at a refueling point (service station) or near fuels or chemicals.

## **Switch off on aircraft**

Wireless phones can cause interference. Using them on aircraft is both illegal and dangerous.

## **Switch off in hospital**

Switch off your phone near medical equipment.  
Follow any regulations or rules in force.

## **Interference**

All wireless phones may get interference which could affect performance.

## **Respect special regulations**

Follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

## **Radio frequency exposure information**

In August 1996, the Federal Communications Commission (FCC) of the U.S. adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. The design of this phone complies with the FCC guidelines and those standards. This device was tested for typical body-worn

operations with the back of the phone kept 1.5 cm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 1.5 cm. separation distance between the user's body and the back of the phone,

including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these

requirements may not comply with FCC RF exposure requirements, and should be avoided.

**Use sensibly**

Use only in the normal position (to ear). Avoid unnecessary contact with the antenna when the phone is switched on.

**Accessories and batteries**

Use only SAMSUNG-approved accessories and batteries.

**Use qualified service**

Only qualified service personnel may install or repair your phone.

## Introduction to SPH-i500

The following features provide a range of user options that make the phone both fun and easy to use.

Phone features : You can use advanced phone capabilities.

PDA features : Address, date book, memo pad , to do list, etc.

Messaging feature : You can receive three kinds of messages - voicemail, text, e-mail.

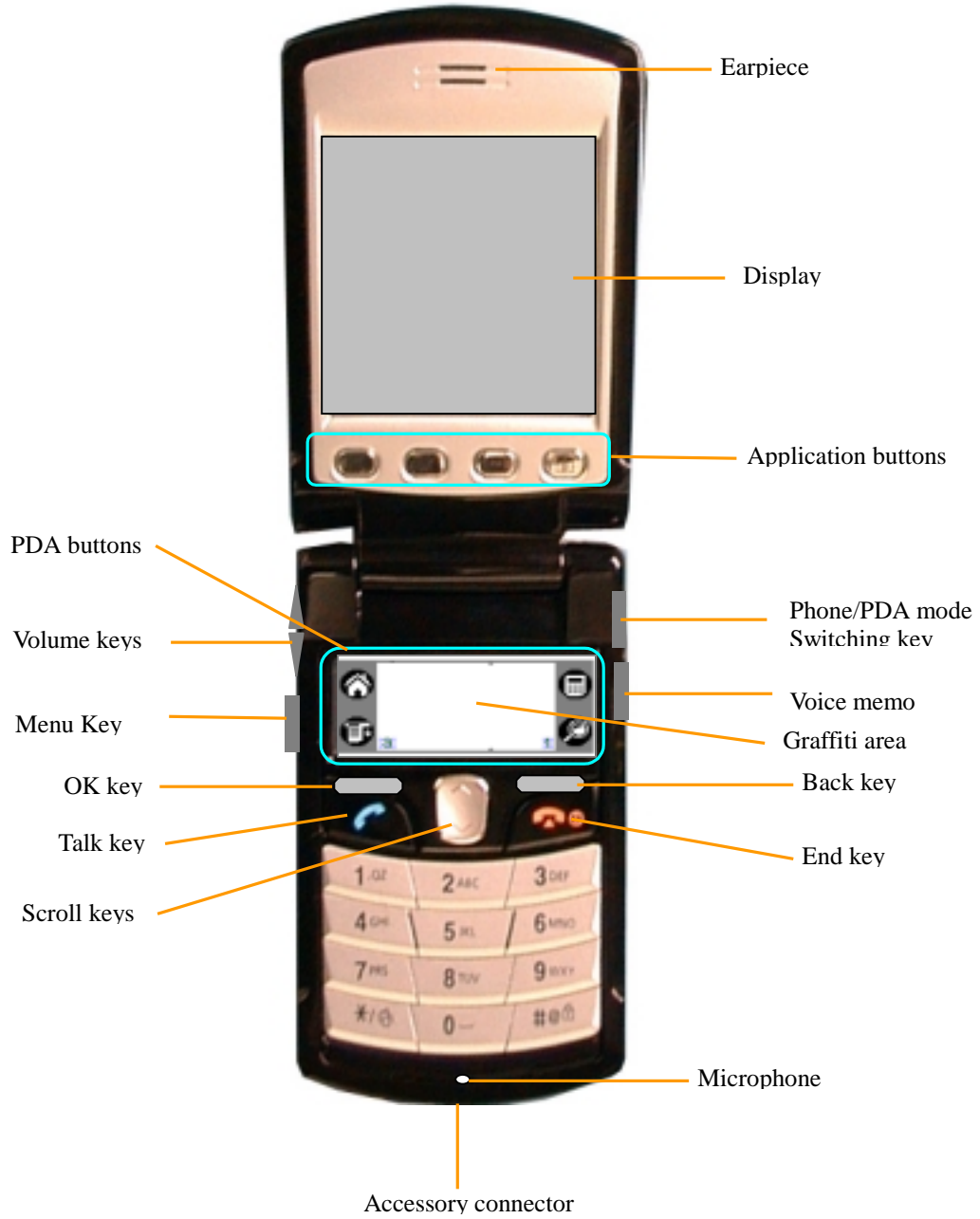
Data Capability : HotSync® technology to synchronize your phone and PC.

Touch Screen

Writing Recognition and On-Screen keyboard and PC input method

# Layout

The following picture shows the main elements of SPH i500.



# Keys and features

## End Key

- To turn the power on.
- To turn the phone mode on/off when pressed and held.
- To end a call in phone mode.

## Talk Key

- To make or receive a call

## OK Key

- Soft key for the primary (blue) button in display.

## Back Key

- To cancel and go back
- To erase text in edit mode

## Voice Memo Key

- Press and hold to record a voice memo.

## Phone/PDA mode switch Key

- To switch the phone mode/PDA mode.

## Menu Key

- To launch the menu list.

## Volume Keys

- To adjust voice volume during conversation.
- To adjust key beep volume in standby mode.

## Scroll Key

- To scroll item by item in PDA mode.

## Application buttons

- To launch each menu depending on the setting in "Preference / Buttons".

## PDA buttons

- Home: To launch the home menus.
- Menu: To launch menus each application-
- Contrast: To adjust the contrast of display.
- Keyboard: To open the on-screen keyboard.

## Accessory connector

- Connects your phone to the AC adapter to the wall current.

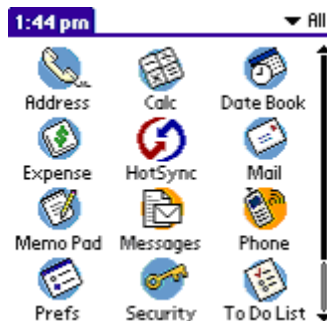
## Interface

### Tapping and Typing

Like using a mouse to click elements on a computer screen, using the stylus to tap elements on your phone screen is the basic action that gets things done on your phone. Always use the point of the stylus for tapping or making strokes on the phone screen. Never use an actual pen, pencil, or other sharp object to write on the phone screen.

### How To Use Application

You can use the Application Launcher to open any application installed on your phone. Tap the icon of the application that you want to open. If you have many applications installed on your phone, to the scroll bar to see all of your applications.



You can also open the four main applications - Date Book, Address Book, To Do List, and To do List - with the application buttons below the display. You can also change them using the "Preference / Buttons" menu.





## **Using Menus**

Menus on your phone are easy to use. Once you have mastered them in one application, you can use them the same way in all other applications.

-To open the menu bar:

1. Open an application.
2. Tap the Menu button in the PDA buttons.

-Choosing a menu

After you open the menu bar for an application, tap the menu that contains the command you want to use.

The menus and menu commands vary depending on which part of the application you're currently using.

## **Entering Text**


- Using the on-screen keyboard
- Using Graffiti writing
- Entering or importing data in Palm Desktop software and then synchronizing with your phone.
- Using an external keyboard

## Phone applications


Samsung phone gives you advanced phone capabilities.

To open the phone screen, tap the Phone icon in home screen. Or, press the Phone/PDA mode switching key on the right side of the phone to change the mode.

### Indicators


 : Shows the received signal strength. The greater the number of bars, the better the signal strength.

 : Appears when a call is in progress.

 : Appears when you are out of your home area and have registered with a different network.

 : Appears when a new text message has been received.


 : Appears when a new voice mail has been received.


 : The phone is set to vibration mode.

 : Shows the level of your battery.

**Phone Off** : Appears when the phone application is off.

 : Text mode indicator

 : TTY

 : Privacy indicator

 : 3G indicator

### Making a call

#### - Dialing with Numeric Keys

1. Enter the digits you want to dial.

When one or two digits entered it shows registered speed dial,

You can make a call to the registered number by pressing the **TALK** key.

Press the **BACK** key to erase the last digit entered, and press and hold the

**BACK** (or **END**) key to erase the entire number.

2. Press the **TALK** key.

#### - 4 digit dialing

1. When you enter 4 digits and press the **TALK** key, it looks up Address book entries and displays numbers match last 4 digits.
  2. Scroll through the number you want to dial.
  3. Press the **TALK** key.
- Direct Dialing with 4 digit number
    1. Enter 4 digits.
    2. Press the **Menu** button.
    3. Press the **Call** option.
  
  - Abbreviated Dialing
    1. Set the prefix for abbreviated dialing in Phone Preference menu.
    2. Enter 4 digits and press the **Menu** key.
    3. Press the **Abbreviated Dial**.

### Ending a call

Press the **END** key.

### Answering a call

- When Folder closed: Open the folder.
- When Folder open (Phone mode): Press any key except END key and volume key when you set the any key answer capability.
- When Folder open (PDA mode): A dialog pops up notifying incoming call, and you can choose to answer or not.

### Redialing the last call

Press the **TALK** key twice.

### In call options

- To mute the microphone, press the **M** soft key (the last application key).
- To silent the key tones, press the **K** soft key (the third application key).
- To use 2 or 3way call, press the **TALK** key during a call, and then enter another number then **TALK** or **2/3** soft key.
- Call waiting: When you get another call during a call, press the **S**(Switch) soft key to switch two calls.

### Call Logs

1. Press the **TALK** key.
2. Choose one of the call logs among All, incoming, outgoing and missed.
3. Press the **TALK** key to make a call to the number. Or,  
Press the **Details** soft key to view the detail information of the number. Or,  
Press the **Done** soft key to go back to the previous screen. Or,  
Press the **Delete All** soft key to delete all items of selected logs.

### Address Search

1. Press the Address application.
2. Choose one of the options among by number, by name or by company.
3. You can make a call to the number or edit the item.

## Phone Preferences

### Sounds

You can adjust the volume, tone or type.

### Display

Backlight: Always On / 7sec / 15 sec / 30 sec / Always Off

Greeting: My Phone Number / Custom (Editable) / Username (NAI)

Idle Screen: Wall Paper / My Special List / Mail Box / Big Clock

### Setup/Data Service

Call: Auto Answer/Call Answer/Message popup/Enable auto-off of display during call

Dial: Auto Hyphen/Enable speed dial/Enable 4-digit dial/Enable abbreviated dial

### **Roam/LAI/Location**

Service Mode: Automatic/Sprint PCS/Analog

Call Guard: on/off

Password Prompt: always prompt/never ask

Net Guard: on/off

## **Another Applications**

### **Address Book**

This enables you to keep names, addresses, phone numbers and other information about your personal or business contacts.

### **Speed dial**

You can assign up to 98 numbers to speed dial. (except #1: envelope)

The speed dial feature is located in the Address details screen. Speed dial numbers that already assigned to other Address Book entries are not displayed. They are automatically removed from the list to avoid duplicate numbers.

### **Calculator**

This enables you to perform addition, subtraction, multiplication, and division.

### **Date Book**

This lets you quickly and easily schedule appointments or any kind of activity associated with a time and date.

### **Messages**

Your phone can receive e-mail and text messages. Also, your phone can send e-mail and text messages.

### **Memo Pad**

This provides a place to take notes that are not associated with records in Date Book, Address Book, or to Do List.

## **To Do List**

This is a convenient place to create reminders and prioritize the things that you have to do.

## **Security**

Your phone comes with this application so that unauthorized users cannot view the entries you wish to protect.

Lock and turn off your phone so that it does not operate until you enter the correct password.

Make all records that you mark as private so the information appears grayed out.

Hide all records that you mark as private so they do not appear on any screen.

## **Using HotSync®**

HotSync® technology enables you to synchronize data between one or more Palm Computing® platform handhelds and Palm Desktop software or another PIM such as Microsoft Outlook. To synchronize data, you must connect your phone and Palm Desktop software. You can synchronize your data either directly or indirectly.

Direct methods include placing your phone in the cradle attached to your computer, or using infrared communications. Indirect methods include using a modem, or using network HotSync technology.

## **Health and Safety Information**

### **Exposure to Radio Frequency (RF) Signals**

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured

not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86. 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg\*.

\*In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Tests for SAR are conducted using standard operating positions specified 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 operation 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 phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted

requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. (Body-worn measurements may differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

For additional information concerning exposure to radio frequency signals, see the following websites:

Federal Communications Commission (FCC)

RF Safety program (select information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters:

<http://www.fcc.gov/oet/rfsafety>

Cellular Telecommunications Industry Association (CTIA): <http://www.wow-com.com>

World Health Organization (WHO)

International Commission on Non-ionizing Radiation Protection (select Qs & As):

<http://www.who.int/emf>

United Kingdom, National Radiological Protection Board: <http://www.nrpb.org.uk>



U.S. Food and Drug Administration (FDA)  
Center for Devices and Radiological Health:  
<http://www.fda.gov/cdrh/consumer/>

## **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 it's 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, if possible, 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 wireless number.

### **Operating Environment**

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

When connecting the phone or any accessory to another device, read its user 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).

### **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 separation of 6 inches (15 cm) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent

with the independent research by and recommend actions of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 6 inches (15cm) 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 the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

### **Hearing Aids**

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want 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 they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone 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 off your phone in any facility where posted notices so require.

**Potentially Explosive Atmospheres**

Switch off your phone 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 off the phone 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 upon any wireless phone for

essential communications (for example, medical emergencies).

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 <SEND> key.

If certain features are in use (keyguard, restrict calls, etc.), you may first need to turn those features off 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.

### **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 which may

apply to the unit.

-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 in, vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

-Switch off your phone before boarding an aircraft. The use of wireless phones in aircraft may be dangerous to the operation of the

### **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 to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger, or any accessory:

-Keep it and all its parts and accessories out of small children's reach.

-Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

- Do not touch the phone with a wet hand while it is charging. Doing so may cause an electric shock to you or damage to the phone.

-Do not use or store it in dusty, dirty areas as its moving parts can be damaged.

-Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

-Do not store it 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 it. Rough handling can break internal circuit boards.

-Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

-Do not paint it. Paint can clog the device moving parts and prevent proper operation.

-Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications of attachments could damage the phone and may 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.

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

### **Cautions**

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **Information to User**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.



Licensed by Palm Computing Inc. under the following patent.  
U.S Patent No. 406-1243-01

\* \* \*

Licensed by Qualcomm incorporated under one or more of the following patents.

U.S Patent No.	4,901,307	5,056,109	5,099,204
	5,101,501	5,103,459	5,107,225
	5,109,390		