- * Depending on the software installed or your service provider or country, some of the descriptions in this manual may not match your phone.
- * Depending on your country, your phone and accessories may appear different from the illustrations in this manual.



World Wide Web http://www.samsungmobile.com



Draft 2005. 6. 21

SPH-A920 User's Manual

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Important safety precautions

Failure to comply with the following precautions may be dangerous or illegal.

Drive safely at all times

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

Switch off the phone when refueling

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

Switch off in an aircraft

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

Switch off the phone near all medical equipment

Hospitals or health care facilities may be using equipment that could be sensitive to external radio frequency energy. Follow any regulations or rules in force.

Interference

All wireless phones may be subject to interference, which could affect their performance.

Meet 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.

Water resistance

Your phone is not water-resistant. Keep it dry.

Sensible use

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

Emergency call

Key in the emergency number for your present location, then press $\overline{\mathbb{W}}_{1}.$

Keep your phone and all its parts and accessories out of the reach of small children and pets

They may inadvertently damage these things or choke on small parts.

Accessories and batteries

Use only Samsung-approved accessories and batteries. Use of any unauthorized accessories could damage your phone and may be dangerous.

- The phone could explode if the battery is replaced with an incorrect type.
 - Dispose of used batteries according to the manufacturer's instructions.

Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see "Safety" on page 22.

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Unpack

Make sure you have each item

Your phone

Buttons, features, and locations





Phone



Travel Adapter



You can obtain the following accessories for your phone from your local Samsung dealer.

- Standard Battery
- Battery Charger
- Leather Case
- Portable Hands free kit
 Data Cable
- Car Charger/Adaptor
- Extended Battery
- - Headset
- Travel Charger/Adapter



Get started

First steps to operating your phone

SIM card information

When you subscribe to a cellular network, you receive a plug-in SIM (Subscriber Identity Module) card loaded with your subscription details, such as your PIN, and available optional services.

Install and charge the phone



Plug the travel adapter into the phone.



3 Plug the adapter into a standard AC wall outlet.

When the phone is completely charged (the battery icon stops blinking), unplug the adapter from the power outlet.



5 Remove the adapter from the phone.



Low battery indicator

When the battery is low:

- a warning tone sounds, ٠
- the battery low message displays, and .
- the empty battery icon 🔲 blinks. ٠

If the battery level becomes too low, the phone automatically turns off. Recharge your battery.

Power on or off

Power on	1. Open the phone.
	 Press and hold is to turn on the phone.
Do not turn on	
the phone when mobile phone use is prohibited.	 If necessary, enter the PIN and press .
	1. Open the phone.
	2. Press and hold a.



Keys and display

Key(s)	Description
	Perform the function indicated on the bottom line of the display.
	In Idle mode, access menu options directly. In Menu mode, scroll through the menu options.
OK	In Idle mode, access the Camera menu. In Menu mode, select the highlighted menu option.
aur	Send or answer a call. In Idle mode, retrieve the recent number dialed, missed, or received.
BACK	Delete characters from the display. In Menu mode, return to the previous menu level.
Et .	Activates the Speaker feature.

Key(s) Description



End a call. Hold down to switch the phone on and off.

In Menu mode, cancel input and return the phone to Idle mode.



ļ

- Enter numbers, letters, and some special characters. In Idle mode, hold 🕞 down to access your voicemail.
- Enter special characters. Press if to access the Sprint Voice Command feature.

Adjust the phone volume.

In Idle mode, with the phone open, adjust the ringer volume. With the phone closed, hold down to turn on the backlight. In Menu mode, scroll through the menu options.

Key(s)	Description
9	In Idle mode, hold down to turn on the camera. In Camera mode, take a photo or record a video.
H	Play or resume playback.
LIST	Open the play list.
	Skip forward in a file.
[Fee	Go backward in a file.
SFL	Change the repeat mode.

Overview of menu functions

To access Menu mode, press Menu in Idle mode.

1 PicturesVideo

1 Camera

- 2 Camcorder
- 3 My Pictures
- 4 My Videos
- 5 Online Albums
- 6 Account Info

2 Message

- 1 Send Message
- 2 Picture Mail
- 3 Text Message
- 4 Go To PCS Email
- 5 Instant Message
- 6 Voicemail
- 7 Settings

3 Tools

- 1 Voice Service
- 2 Voice Memo 3 Today
- 4 Scheduler
- 5 Task List
- 6 Memo Pad
- 7 World Time
- 8 Alarm Clock
- 9 Calculator
- 0 Countdown
- U Countdowr
- * Bluetooth
- # Bluetooth Settings

4 Media Player

- 1 Channel Listing
- 2 Memory Card
- 3 My Play List

5 Call History

- 1 Outgoing Calls
- 2 Incoming Calls
- 3 Missed Calls
- 4 All Recent

6 Web

7 Settings

- 1 Display
- 2 Sounds
- 3 PCS Vision
- 4 Voice Service
- 5 Security
- 6 Roaming
- 7 Launch Pad
- 8 Others
- 9 Phone Info
- 0 Print Settings

8 Download

- 1 Games
- 2 Ringers
- 3 Screen Savers
- 4 Applications
- 5 Messaging

9 Contacts

- 1 Find
- 2 Add New Entry
- 3 My Phone #
- 4 Speed Dial #s
- 5 Group
- 6 Services

Menu functions

All menu options listed

PicturesVideo

You can use the camera module embedded in your phone to take photos and record videos.

To access this menu, press **Menu** in Idle mode and select **PicturesVideos**.

- Do not take photos of people without their permission.
 - Do not take photos in a place where cameras are not allowed.
 - Do not take photos in a place where you may interfere with another person's privacy.

Camera

Use this menu to take photos. The camera produces JPEG photos.

 \checkmark

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

Camcorder

Use this menu to record video clips.

My Pictures

Use this menu to access photos stored in the phone's memory and on the memory card.

My Videos

Use this menu to access video clips stored in the phone's memory and on the memory card.

Online Albums

Use this menu to access the **Online Albums** service with which you can organize your own image album on the wireless web and share your photos and video clips with other people.

Account Info

Use this menu to configure the network settings required to access the Online Albums service.

Menu functions

Message

Use the **Message** menu to send and receive short messages, multimedia messages, and e-mails. You can also use Instant Message and Voicemail features.

To access this menu, press **Menu** in Idle mode and select **Message**.

Send Message

Use this menu to send text messages that include simple pictures, animated images, and multimedia messages that include text, an audio, and an image.

Picture Mail

Multimedia message service (MMS) allows you to send and receive messages that include text, an audio, and an image.

In this menu, you can:

- view the MMS messages you have received.
- create and send MMS messages to other people.

Text Message

Short message service (SMS) allows you to send and receive text messages that include simple pictures and animated images.

In this menu, you can:

- view the SMS messages you have received, sent, and saved for later use.
- create and send SMS messages to other people.

Go To PCS Email

Use this menu to use the E-mail service. You can create and send e-mails. You can also check the e-mails you have received.

Instant Message

Instant Messenger (IM) is a way of sending short, simple messages that are delivered immediately to users online at that moment.

Before using this feature, you need to subscribe to a messenger service. For further details, contact your service provider.

Voice mail

If you are unable to answer a call, the caller will be guided to leave a voice message in your voicemail box, if your service provider supports it.

Use this menu to connect your voicemail server to access received voicemails and store the service number of your voicemail server. You can also delete the voicemails you have received.

Settings

Use this menu to customize the settings for using SMS and MMS feature.

Tools

The Tools feature enables you to keep track of your schedule and tasks and use convenient applications, such as voice recorder, calculator and countdown timer. You can also use the Voice Service and Bluetooth feature.

To access this menu, press **Menu** in Idle mode and select **Tools**.

Voice Service

Use this menu to perform some functions or access specific menus by your voice command. You only need to say the command into the microphone.

Voice Memo

Use this menu to record and review voice memos. You can also delete all voice memos.



Today

Use this menu to schedule new events for the current day, indicating each event's start and end time.

Events scheduled for future dates automatically appear on your Today display for that particular day.

Scheduler

Use this menu to keep track of your monthly schedule.

You can:

- create new events and check the scheduled events.
- set alarms to alert you to events.

When you select **Scheduler**, the month calendar with today's date marked with a blue box.

Task List

Use this menu to create and review tasks.

Memo Pad

Use this menu to create and review memos.

World Time

Use this menu to set your local time zone and find out what time it is in another part of the world. You can also apply Daylight savings time.

Alarm Clock

Use this menu to set alarms to ring at a specific time.

Calculator

Use this menu to perform basic arithmetic functions such as addition, subtraction, multiplication, and division.

Countdown

Use this menu to set a period of time for the phone to count down. The phone will sound an alarm when the specified period of time has expired.

Bluetooth

Use this menu to search for and pair a Bluetooth device.

Using the Bluetooth feature, you can connect the phone wirelessly to other Bluetooth devices and exchange data with them, talk hands-free, or control the phone remotely.

Bluetooth technology allows free wireless connections between all Bluetooth-compliant devices within a range of 10 meters. Since the devices communicate using radio waves, they do not need to be in line of sight to each other.

- If there are obstacles between the devices, the maximum operating distance may be reduced.
 - You cannot use the Bluetooth feature while using multimedia features such as voice recorder, camera, and media player, or vice versa.
 - Some devices may not be compatible with your phone.

Bluetooth Settings

Use this menu to customize the settings for using the Bluetooth feature.

Media Player

Use this menu to enjoy media files, such as MP3 music, ringtones, or video clips.

To access this menu, press <**Menu**> in Idle mode and select **Media Player**.

Channel Listing

Using this menu to activate a connection profile to be used for accessing streaming servers to use VOD services. You can also make or edit a profile.

Memory Card

Use this menu to access and play media files stored on the memory card.



My Play List

Use this menu to access the play list you have created and play them using your phone.

Call History

Use this menu to view the calls you have dialed, received, or missed.

To access this menu, press **Menu** in Idle mode and select **Call History**.

Outgoing Calls

This menu displays the most recent calls you have dialed.

Incoming Calls

This menu displays the most recent calls you have received.

Missed Calls

This menu displays the most recently received calls that you did not answer.

All Recent

Use this menu to view the calls you have dialled and received.

Web

The Wireless Application Protocol (WAP) browser on your phone allows you to access the wireless web. Using the web browser, you can access up-to-date information and a wide variety of media content, such as wallpapers, ringtones, and music files.

To access this menu, press $<\!\textbf{Menu}\!>$ in Idle mode and select Web.

Use this menu to connect your phone to the network and load the home page of the wireless web service provider.

Settings

Use this menu to customize your phone settings. You can also reset the settings to their default values.

To access this menu, press **Menu** in Idle mode and select **Settings**.

Display

Use this menu to change settings for the display and light.

You can:

- change the background image.
- change the image to be displayed on the idle screen with the background image.
- select a menu style.
- set whether or not the phone to display a caller ID when you receive an incoming call.
- set a greeting message.
- select the length of time the backlight and the display stay on or activate the Power Save mode.

- activate the service light feature.
- change the eziTap settings.
- adjust the brightness of the display for varying lighting conditions.

Sounds

Use this menu to customize various sound settings. You can:

- select a volume level for incoming calls, messages, and alarms.
- select an alert type for incoming calls, messages, events, and roaming.
- set up audible alerts at a specified time to inform you that certain things have happened.
- select a key tone level and key tone length.
- set the phone to sound when you use downloaded applications.



PCS Vision

Use this menu to deactivate the PCS vision services and set the phone to automatically connect to the PCS vision services each time you sign in to Vision service. You can also update the settings for connecting to the PCS vision services.

Voice Service

Use this menu to change the default settings for using the Voice Service feature.

Security

Your phone provides you with various security options, including a user-programmable lock code and special number features.

To access the **Security** menu, you must enter the 4-digit lock code. It is preset to "0000" at the factory. You can:

 lock your phone so that you cannot dial numbers, or access menu options.

- lock the Camera feature.
- set the special phone number to be placed even when the phone is locked.
- erase contacts, downloaded items, pictures, and video clips.
- reset the phone.

Roaming

Roaming is a feature, which is only relevant in areas where there are at least two cellular service providers having valid roaming agreements. Roaming allows you to register your phone on one of the networks, but use the facilities of the other if your own network is not available.

You can:

- select a roaming mode.
- set the phone to remind you when you are making or receiving a roaming call.

Launch Pad

You can use the Navigation keys as shortcut keys to access specific menus directly from Idle mode. Use this menu to change these shortcut assignments.

Others

Use this menu to customize the additional settings for the phone.

You can:

- set digits, such as area codes and network feature activation codes, to the beginning of a phone number before dialling it.
- activate the contact match feature.
- restrict outgoing calls.
- set how to answer incoming calls.
- turn the automatic redealing or answering features on or off.
- select one of several languages for the display text.

- activate or deactivate Airplane mode, the location feature, or key guard mode.
- activate or deactivate the Location feature. If this feature is enabled, other people call locate your position.
- keep the Game pad synchronized with your phone or re-map the keys to allow easier game play.
- activate the plus code set feature. You can enter the international call prefix and view the international call number list.

Phone Info

Use this menu to access the information about your phone.

You can:

- view your phone number.
- view information of the icons to be displayed on the screen.
- view the software and hardware versions of your phone.
- view information about your phone system.



Print Settings

Use this menu to customize the setting for printing some items via the phone.

Download

You can access the web site preset by your service provider to download various items, such as games, melodies, images, applications, and messages.

To access this menu, press **Menu** in Idle mode and select **Download**.

Games

You can access the web site preset by your service provider to download games. You can also access them.

Ringers

You can access the web site preset by your service provider to download ringtones or melodies. You can also access them.

Screen Savers

You can access the web site preset by your service provider to download images.You can also access them.

Applications

You can access the web site preset by your service provider to download applications. You can also access them.

Messaging

You can access the web site preset by your service provider to download messages. You can also access them.

Contacts

Contacts allows you to store frequently used phone numbers and the associated names. In your personal directory to make it easy for you to make a call without having to remember or enter the phone number.

To access this menu, press **Menu** in Idle mode and select **Contacts**.

Find

Use this menu to search for numbers in Contacts.

Add New Entry

Use this menu to add a new contact to Contacts.

My Phone

Use this menu to check your phone number.

Speed dial #s

Once you have stored phone numbers in Contacts, you can set up to 99 speed dial entries and then dial them easily whenever you want, simply by pressing and holding the associated number key(s) in Idle mode.

Group

Use this menu to organizer your contacts in caller groups.

Services

You can dial the service centers preset by your service provider to get more information. For details, contact your service provider.

Solve problems

Help and personal needs

To save the time and expense of an unnecessary service call, perform the simple checks in this section before contacting a service professional.

"No service," "Network failure," or "Not done" displays

- The network connection has been lost. You may be in a weak signal area. Move and try again.
- You are trying to access an option for which you have no subscription with your service provider. Contact the service provider for further details.

You have entered a number but it was not dialed

- Be sure that you have pressed 🔤.
- Be sure that you have accessed the right cellular network.

Your correspondent cannot reach you

- Be sure that your phone is switched on.
 () pressed for more than one second.)
- Be sure that you are accessing the correct cellular network.

Your correspondent cannot hear you speaking

- Be sure that you have switched on the microphone.
- Be sure that you are holding the phone close enough to your mouth. The microphone is located at the bottom of the phone.

The phone starts beeping and "Battery low" flashes on the display

• Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

Check the signal strength indicator on the display (\u03c4...1). The number of bars indicates the signal strength from strong (\u03c4...1) to weak (\u03c4).

• Try moving the phone slightly or moving closer to a window if you are in a building.

No number is dialed when you re-call a Phonebook entry

- Use the Phonebook Search feature to ensure the number has been stored correctly.
- Re-store the number, if necessary.

The battery doesn't charge properly or the phone sometimes turns itself off

Wipe the charging contacts both on the phone and on the battery with a clean soft cloth.

If the above guidelines do not help you to solve the problem, take note of:

- The model and serial numbers of your phone
- Your warranty details
- A clear description of the problem

Then contact your local dealer or Samsung after-sales service.



Getting the Most Out of Your Reception

Keeping Tabs on Signal Strength

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

Understanding the Power Save Feature

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

Understanding How Your Phone Operates

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

Knowing Radio Frequency Safety

The design of your Sprint PCS Phone complies with updated NCRP standards described below.

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

Maintaining Your Phone's Peak Performance

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

- Speak directly into the mouthpiece.
- Avoid exposing your phone and accessories to rain or liquid spills.

If your phone does get wet, immediately turn the power off and remove the battery.

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

Maintaining Safe Use of and Access to Your Phone

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

Using Your Phone While Driving

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

✓ Purchase an optional hands-free accessory at your local Sprint Store, or call the Sprint PCS Accessory HotlineSM at 1-800-974-2221 or by dialing **#222** on your Sprint PCS Phone.

Following Safety Guidelines

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

Using Your Phone Near Other Electronic Devices

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

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

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

☑ ;

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

Turning Off Your Phone Before Flying

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

Turning Off Your Phone in Dangerous Areas

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

Turn your phone off when you're in any area that has a potentially explosive atmosphere. Although it's rare, your phone and accessories could generate sparks. Sparks can cause an explosion or fire, resulting in bodily injury or even death. These areas are often, but not always, clearly marked. They include:

- Fueling areas such as gas stations.
- Below deck on boats.
- Fuel or chemical transfer or storage facilities.
- Areas where the air contains chemicals or particles such as grain, dust, or metal powders.
- Any other area where you would normally be advised to turn off your vehicle's engine.
- Never transport or store flammable gas, liquid or explosives in the compartment of your vehicle that contains your phone or accessories.

Restricting Children's Access to Your Phone

Your phone is not a toy. Do not allow children to play with it as they could hurt themselves and others, damage the phone or make calls that increase your Sprint PCS Invoice.

Caring for the Battery

Protecting Your Battery

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

- Use only Sprint-approved batteries and battery chargers. These chargers are designed to maximize battery life. Using other batteries or chargers voids your warranty and may cause damage.
- In order to avoid damage, charge the battery only



Acknowledging Special Precautions and the FCC Notice

FCC Notice

This 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 (propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protections 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.

Body-Worn Operation

To maintain compliance with FCC RF exposure guidelines, if you wear a handset on your body, use the Sprint supplied or approved carrying case, holster or other body-worn accessory. Use of non-Sprint approved accessories may violate FCC RF exposure guidelines.

For more information about RF exposure, visit the FCC Website at <u>www.fcc.gov</u>.

Specific Absorption Rates (SAR) for Wireless Phones

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

All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public. The highest SAR values for this model phone as reported to the FCC are Head:0.600 W/Kg(CDMA), 1.280 (PCS), Body- worn:0.162 W/Kg(CDMA), 0.789 W/Kg (PCS). Body-worn operations are restricted to Samsung-supplied, approved or none Samsung designated accessories that have no metal and must provide at least 1.8cm separation between the device, including its antenna whether extended or retracted, and the user's body. None compliance to the above restrictions may violate FCC RF exposure guidelines.

FCC Radiofrequency Emission

This phone meets the FCC Radiofrequency Emission Guidelines.

FCC ID number: **A3LSPHA920**. More information on the phone's SAR can be found from the following FCC Website: <u>http://www.fcc.gov/oet/fccid</u>.



Owner's Record

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

Model: Sprint PCS Vision Multimedia Phone MM-A920 by Samsung®

Serial No.:

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