



Sprint PCSSM

**Sprint
Personal
Communication
ServicesTM**

User Guide

**QUALCOMM QCP-2700/2700F
Sony CM-B1201SPR**

Sprint PCS.SM

It's not just a better phone.

It's a better connection.SM

First things first: Call us to get activated.

Before you can use your new Sprint PCS Phone,[™] you need to open your Sprint PCS Account – in other words, activate your phone. You do that by calling 1-888-715-4588 (in Southern California, call 1-800-PCS-6699) from any phone other than your new Sprint PCS Phone. This call is toll-free.

Note: If a Sprint PCS Sales Representative has already activated your phone, then there's no need to place this call. Instead, see "How to unlock your phone" on the next page.

What you should know before you call.

- ▶ The call may take up to 30 minutes.
- ▶ A credit check will be run.
- ▶ Your Sprint PCS Phone will be ready for use about an hour after this call is finished.

What you should have handy.

- ▶ Your new Sprint PCS Phone
- ▶ The original packaging for your new phone
- ▶ Your billing address
- ▶ Your social security number or tax ID number

This phone will work only with service from Sprint PCS, which must be purchased separately. See Terms and Conditions of Services.

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- ▶ Your driver's license number
- ▶ Pen and paper to write down your new Sprint PCS Phone Number

During this call, a Sprint PCS Customer Advocate will collect your information as well as help you select your Sprint PCS Service Features and a calling plan. Once you've made all your selections, the advocate will guide you through the activation process.

How to unlock your phone.




If you received your phone in the mail, you need to unlock it before you can begin making calls. Just follow these simple steps:

1. Turn on your phone.
2. Press the dial to select "UNLOCK."
3. Enter your four-digit lock code. (This code typically is the last four digits of your Sprint PCS Phone Number or the last four digits of your social security number.)

How to get help.

If you need help with this or anything else, we hope you'll call Sprint PCS Customer Care at 1-888-211-4PCS (4727).

In Southern California, call 1-800-455-4551. You also can press

 from your activated Sprint PCS Phone (in Southern California, press  ). A Sprint PCS Customer Advocate will answer (24 hours a day) and be happy to assist you.

Our services are provided to you under certain terms and conditions – all of which are listed in the brochures included in the box your phone came in.

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Introduction.

Congratulations on your purchase of a Sprint PCS Phone. This phone is quite versatile because it lets you make and receive calls in so many places:

- ▶ Anywhere within the nationwide Sprint PCS Network
- ▶ On other select PCS CDMA networks
- ▶ On analog cellular networks (that's the old cellular technology)

And although it comes standard with many exciting features, like voicemail, an internal phone book and Call Waiting, it's still so easy to use. Just follow the simple steps described inside.

Of course, you can always call us if you need any help. Just press

***** **2** **TALK** from your Sprint PCS Phone and we'll be happy to help. (In Southern California, press ***** **6** **1** **1** **TALK** .)

Thanks for choosing Sprint PCS.

Getting to know your phone.

1. **Dial**: Lets you select menu options and features. Also lets you adjust the volume during a call.
2. **TALK**: Lets you place and receive calls.
3. **CLR**: Allows you to clear characters from the screen or back up menu levels.
4. **Antenna**: Makes the voice on the other end sound clearest when it's all the way up.
5. **END**: Lets you disconnect a call and return to standby mode.
6. **Message Key**: Lets you access your voicemail box and listen to your messages.
7. **PWR**: Turns the phone on and off.



CM-B1201SPR



QCP2700



QCP2700F

Function keys.

The following keys perform these functions when pressed during most procedures.



Use the dial to select options and perform actions indicated on the display. It can be scrolled up or down, or pressed in like a computer's mouse. The dial also provides quick access to features like the internal phone book.



The message key lets you easily access voicemail messages.

CLR

This key lets you do lots of things:

- ▶ To erase one character from the display screen, briefly press it once.
- ▶ To erase all of them, hold it down for one second.
- ▶ To back up one menu level when you're accessing menu options, press it once.
- ▶ To revert to the standby display, hold it down for one second.

TALK

Press this key to place and receive calls, to access a second incoming call (from Call Waiting) or to initiate Three-Way Calling.

END

Press this key to disconnect a call. You also can press it to exit out of a menu and return to the phone's standby display.

Display indicators.

Different indicators are displayed based on the phone's operating mode.

XXX The three characters in the upper-left corner indicate the phone book memory location number (for example, L01), recent calls list number (for example, C07) and feature menu number (for example, F01).

D Indicates that your Sprint PCS Phone is operating in digital mode. If this indicator is not displayed, either your phone is operating in analog mode or no service is available.

📶 Measures your current signal strength. More lines means more signal strength.

📶 This means the phone is outside service areas. When this is displayed, you cannot use your phone.

📞 Tells you a call is in progress.

R If this indicator is not displayed, you are in the Sprint PCS Network. If it is displayed (it may or may not be flashing), you are on another service provider's network.

✉ Indicates when you have messages waiting.

🔋 Shows the level of your battery charge. The more black you see, the greater the charge.

↶ You can move the dial up to scroll through menu options.

↷ You can move the dial shuttle down to scroll through menu items.

⇒ Push the dial in to select menu items and features.

Using the battery.

Your Sprint PCS Phone comes with a rechargeable battery pack. Remember to fully charge your battery as soon as the charge becomes low in order to maximize your talk time and standby time.

Installing and removing the battery.

The battery pack snaps easily onto the back of the phone (bottom end first) for quick installation and removal. Make sure to turn the power off before removing the battery. Otherwise, you could lose stored numbers and messages.

Charging the battery.

You can tell whether or not your battery needs to be recharged just by checking the upper-right corner of your phone's display.

When the battery charge level gets low, the battery sensor will let you know by displaying the screen icon and sounding a tone. If the battery level gets too low, the phone will turn off automatically. If this happens, unfortunately, you'll lose whatever you were just doing. So watch that indicator and make sure your level is okay.

To charge your battery, you should use the standard AC adapter, or the optional dual port desktop charger, travel charger or rapid charging cigarette lighter adapter. Using unauthorized ones could cause damage. (The AC adapter is described in the next section. For more information on the desktop charger, travel charger and rapid charging cigarette lighter adapter, see the product user guide for each.)

Charging with the AC adapter.

Only use manufacturer-approved chargers and adapters with your Sprint PCS Phone. Using an unauthorized one could cause damage.

1. Plug the adapter into a wall outlet.
2. Plug the other end into the bottom of your Sprint PCS Phone, with the battery attached.

Charging a completely discharged standard Lithium Ion battery takes up to five hours.

If your phone is turned on, you'll see "CH" in the upper-left corner of the display. It's telling you that the battery is being charged. When the battery is fully charged, "FCH" will be displayed in the upper-left corner.

If your phone is turned off, the display will show charging status. "Battery is Charging" or "Charging is Complete" will be displayed.

Turning your phone on and off.

When you're ready to turn your Sprint PCS Phone on, check to see that the charged battery has been installed on the back of the phone or that you have external power (meaning the rapid charging cigarette lighter adapter, hands-free car kit, travel charger or AC adapter). Press **PWR** for a few seconds until you see "Looking for service" on the screen.

To turn your phone off, press **PWR** for a few seconds until "Powering Off" is displayed. Then release **PWR**. When your phone is turned off, nothing is displayed on the screen (unless you are charging your battery).

Note: If **PWR** is pressed for less than one second, the phone will not turn off. This keeps your phone from being turned off accidentally.

Standby status.

Standby is the most basic state of the phone. The phone goes into standby status soon after you turn it on or whenever you press **END**. When your phone is in standby status, you will typically see the banner (that's the message that's displayed when you turn on your phone). You'll also have access to the phone's directory and features.

Power Save mode.

Your Sprint PCS Phone comes with a Power Save feature that will be activated automatically if your phone hasn't been able to find a signal after 15 minutes of searching. While this feature is active, the phone's battery charge is conserved. The phone will automatically recheck for a signal periodically. To manually force the phone to recheck for a signal, press any key. A message on the display will let you know when the phone is operating in Power Save mode.

Basic functions.

Making a call.

Whenever you make a call, follow these simple steps:

1. First, check to see that your phone is on. If you see the display indicators on the screen, that means the power is on.
2. Enter a phone number.
3. To place the call, you can either press **TALK** or press the dial in twice. (If the phone is locked, the number is restricted or there is another problem, you will see a help message.)
4. When you're finished with your call, just press **END** to disconnect.

You can also make calls from your internal phone book (see page 36) or from your recent calls list (see page 49).

Correcting dialing mistakes.

If you make a mistake while dialing a phone number, press **CLR** to erase one digit at a time. You can delete the entire number at once by pressing **CLR** and holding it down for at least one second.

Answering calls.

Your phone must be turned on before you can receive calls.

When your phone rings, press **TALK** to answer. You can adjust the ringer volume when you have an incoming call by turning the dial either direction. To disconnect the call when you're through, press **END**.

Where you can use your phone.

Your Sprint PCS Phone is dual band, which means you can use it to make and receive calls in many places:

- ▶ In any city where Sprint PCS provides service
- ▶ On select PCS CDMA networks (like the Sprint PCS Network) from other providers
- ▶ On conventional analog cellular networks

When you use your phone in any Sprint PCS Service Area outside your home service area, it's called traveling. You are charged a simple, flat rate for all travel calls you make and receive. When you use your phone outside the Sprint PCS Network, it's called

roaming. If you're roaming in areas where Sprint PCS has agreements in place with other PCS CDMA service providers, you will be charged the travel rate. If you're roaming in areas where Sprint PCS has agreements in place with conventional analog cellular providers, you will pay airtime plus long-distance charges, where they apply.

Note: In areas where Sprint PCS does not have roaming agreements in place, you will still be able to make emergency calls to 911 and calls billed to a credit card.

What you'll see.

You should always check your phone's display because it will let you know when you're outside the Sprint PCS Network and whether your phone is operating in digital mode. The chart below indicates what you will see, depending on where you're using your phone.

	D (Digital Indicator)	R (Roaming Indicator)
Sprint PCS Network	X	
Other PCS CDMA Networks	X	X
Analog Cellular		X ("Analog Roam" displayed)

Regardless of whether you're using your phone on or off the Sprint PCS Network, you should always dial numbers using 11 digits (1 + area code + number) when you make calls outside your Sprint PCS Home Service AreaSM. (This does not necessarily mean you'll be charged a long-distance rate.)

Calling experience.

When you use your phone on other PCS CDMA networks, your calling experience will be quite similar to what you experience when making calls from within the Sprint PCS Network. Although certain calling features may not be available, your phone calls are still private and secure, and in general, your call quality should be similar to what you experience with the Sprint PCS Network.

When you use your phone on analog cellular networks, your experience will be much different. Cellular roaming will be of the same quality provided by cellular carriers today. Although you will still have the convenience of being able to make and receive calls, here are some differences you can expect:

- ▶ You are more likely to experience static, cross-talk, fade-out and dropped calls.
- ▶ Some calling features that are standard within the Sprint PCS Network will be unavailable.
- ▶ You will experience the same security and privacy risks (eavesdropping and cloning) that exist with conventional cellular services today.
- ▶ Battery life will be shorter when you use your phone for cellular roaming than when you use it on a CDMA network.

If you are on the phone when you leave a Sprint PCS Service Area and enter an area where roaming is available (whether PCS CDMA or analog cellular), your call will be dropped. If your call is dropped in an area where you think Sprint PCS provides service, turn your phone off and then on again to speed acquisition of the Sprint PCS Network.

If you need customer service for any reason while using your phone outside the Sprint PCS Network, just dial **6 1** **1 TALK** from your Sprint PCS Phone. However, because you're outside the Sprint PCS Network, you may reach the local service provider's customer service instead of Sprint PCS Customer Care. To be sure that you reach Sprint PCS Customer Care, dial 1-888-211-4PCS (4727).

Using Caller ID.

This feature tells you who is calling you on your Sprint PCS Phone by displaying their number when the phone rings. If a caller's name and number are stored in your internal phone book, the corresponding name is also displayed. If you call someone who has this feature, your Sprint PCS Phone Number will be displayed on their phone.

To block your Sprint PCS Number from being displayed for a particular outgoing call, just follow these steps:

1. Press *** 6 7**.

2. Dial the outgoing phone number and press **TALK**.

To block your Sprint PCS Phone Number from being displayed on all of your outgoing calls, just call Sprint PCS Customer Care by pressing *** 2 TALK** (in Southern California, press *** 6 1 1 TALK**). Once you have permanently blocked your number, you can release the block for a particular call. To do that, follow these steps:

1. Press *** 8 2**.

2. Dial the phone number and press **TALK**.

Responding to Call Waiting.

If you're in the middle of a call and you hear a beep, that means you have another call coming in. If you don't answer the call within 10 seconds, you will be reminded of the incoming call with a second beep. To put the first caller on hold and answer the second call, press **CLR** and then **TALK**. Press **TALK** again to switch back to the first call.

If you don't want to be interrupted during a particular call, you can temporarily disable Call Waiting. Just press *** 7 0** before dialing the number. Once you end that call, Call Waiting will be reactivated automatically. If you don't want to be interrupted during any of your calls, before making any more, press *** 2 TALK** (in Southern California, press

*** 6 1 1 TALK**) to call Sprint PCS Customer Care and have Call Waiting deactivated.

Using Three-Way Calling.

Three-Way Calling lets you talk with two different people at the same time. Simply dial your first number and press **TALK**. When you have connected, press **TALK** to put the first caller on hold. Next, dial the second number and press **TALK**. When you're connected, press **TALK** again to begin your three-way call. When you use this feature, you will be charged normal airtime rates for each of the two calls you make.

Using Call Forwarding.

With Call Forwarding, you can have all of your incoming calls forwarded to another phone number – even if your Sprint PCS Phone is turned off. When Call Forwarding is activated, you can still make calls from your Sprint PCS Phone. To activate Call Forwarding, follow these steps:

1. Press *** 7 2**.

2. Enter the area code and seven-digit phone number to which your calls should be forwarded.

3. Then press **TALK**. You will hear a tone that confirms you've activated Call Forwarding.

To deactivate Call Forwarding, press *** 7 2**

0 **TALK**. Once again, you'll hear a tone to confirm the deactivation.

Redialing calls.

To redial the last call you made from your Sprint PCS Phone, press **TALK**. When the number is displayed, press **TALK** again. You also can redial any of your last 10 calls using your recent calls list (see page 49).

Getting your own phone number.

You probably don't call your own Sprint PCS Phone Number very often, so you may forget it. If you do, here's an easy way to get it:

1. Select "Features."
2. Scroll and select "Directory."
3. Scroll and select "My Number."

Note: If the short features menu is active, then simply select "Features" and then "My Number" to get your phone number.

Adjusting volume.

You can adjust the volume during a call by turning the dial. You can adjust the default setting for your phone's ringer, key beep and earpiece volume using the "SOUNDS" menu.

Locking the keypad.

To avoid accidental key presses, you can lock the keypad. However, you'll still receive incoming calls and messages. (This feature can be activated only when the phone is in standby mode.)





To lock your keypad, press and hold down the dial until you see the message that the keypad is guarded. To unlock your keypad, press **1** **2** **3**.

Note: If you have an incoming call, pressing **TALK** or **1** **2** **3** will answer the call and unlock the keypad.

Emergency dialing.

You can place calls to 911, or one of the other three emergency numbers that are in your emergency number list, even if your phone is locked. (For information on locking your phone, see page 31.) As long as you're within a service area (check your signal strength indicator), these numbers can be dialed.

Calling 911.

1. Dial   .
2. Press .

Note: Even if your account is restricted, you can still dial 911 (as long as you're within a service area) but no other emergency numbers.

Saving and editing emergency numbers.

You can save three phone numbers (in addition to 911) that can be dialed even if your phone has been locked. To save emergency numbers, follow the steps below:


1. Select "Features."
2. Scroll and select "Security."
3. Enter your lock code. (The default code typically consists of the last four digits of your phone number. To change your

lock code, see page 57.)





4. Scroll and select "EMERGENCY #."
5. Select "EDIT" to edit or enter the first emergency number, or scroll to other emergency numbers.
6. Select "SAVE" to save the entered number.

Dialing other emergency numbers.


If there's an emergency, you can still make calls to your stored emergency numbers even when your phone is locked.

1. Dial one of the other three emergency numbers stored in your emergency list. Your emergency numbers must be dialed exactly as stored – with or without the area code.
2. Press .


Dialing Sprint PCS Directory Assistance.

Dial     to obtain residential, business and government listings; to get help completing local or long-distance calls; or to obtain movie listings, hotel, restaurant and shopping information, and major local event information.

Dialing Sprint PCS Operator Services.

Dial  to obtain assistance in placing collect calls or calls billed to a local telephone calling card or a third party.


Setting up your voicemail.

To set up your voicemail, press and hold  for at least one second. Then enter “SPRINT” (777468) as your temporary pass code. We suggest you do this soon after you activate your Sprint PCS Account.



After entering that code, the voicemail system will prompt you to do these things:

- ▶ Create your own personal pass code. Make sure you pick a number that you will remember.
- ▶ Create the greeting that people will hear when they call you.
- ▶ Record your name announcement.
- ▶ Choose whether to activate One-Touch Access.

After you’ve set up your voicemail, it will automatically record messages whenever someone calls and you don’t answer.

Whenever you need to call your voicemail from another phone, dial your Sprint PCS Phone Number. When you hear your greeting, press  and enter your pass code.

Finding out you have a message.

Your Sprint PCS Phone alerts you when you have a new voicemail message in several ways: by displaying a message on the screen, by sounding five short beeps (if the ringer is turned on), by a flashing backlight, and by displaying  at the top of your screen. Your phone will continue to display  until you save or erase your new messages. You can have up to 30 new or saved messages and each can be stored for up to 30 days.

The phone book.


Your Sprint PCS Phone lets you store up to 99 names and phone numbers. Each entry can contain up to 32 digits, with an associated name of up to 12 characters. You can access your phone book in two different ways.

- ▶ When the phone is in standby mode, select “Phone List,” then “Phone Book.”
- ▶ Regardless of whether a call is in progress, select “Features,” then “Directory,” then “Phone Book.”

Saving numbers to the phone book.

You can save numbers in your internal phone book in two ways: while your phone is in standby mode or by accessing the “PHONE BOOK” menu. Follow the steps described below. (If you’re starting from standby mode, start with step 4.) Memory locations 1 through 9 should be used for One-Touch Dialing or your most commonly used phone numbers.

1. Select “Features.”
2. Scroll and select “Directory.”
3. Select “Save.”
4. Enter the phone number you want to save.

5. Select “Options.”
6. Select “Save.”
7. Enter a name to go with the number (up to 12 characters).
To enter a name, press the key labeled with the letter you want. Pressing a key repeatedly will change the letter or number in the flashing cursor position on the screen. (For example, press 2 once for “A.” Press 2 twice for “B.”) When you have the correct letter or number in position on the screen, the cursor automatically advances one space. Press  to correct any mistakes. Turning the dial will move the cursor forward and backwards.
8. Select “Save” to store the name.
9. Select “Save” at the “Save in location. . .” prompt to store the number in the first available memory location. Or you can scroll to select a custom store location and follow the remaining “Save” prompts.

Punctuating names.

When storing or editing phone book memory locations, you can use any of the nine punctuation characters. Press 1 until you see the appropriate character. Punctuation characters are - “ . ‘ , & () and :

Changing case during name entry.

When entering a name in a memory location, you can use both uppercase and lowercase letters. Press the appropriate number key until you see the letter and case you need. Lowercase follows uppercase.

Retrieving numbers from the phone book.

You can access the numbers in your internal phone book in several ways. When your phone is in standby, follow the steps described on the next page. (You can return the phone to standby by pressing **END**.)

Reviewing all memory locations.

Once you have stored numbers in your phone book, you can review all those numbers. To display the location number, name and phone number, follow these steps:

1. From standby, select “Phone List.”
2. Scroll and select “Phone Book.”
3. Scroll through the entries one at a time using the dial.
4. Select “Options” to see more information and the available options for that location.
5. To call the displayed number, press **TALK**.

Finding a number using a memory location.

1. Enter the one- or two-digit memory location of the number you want to find.
2. Select “Options.”
3. Scroll and select “Recall Loc #.”

Finding a number using a person’s name.

1. From standby, select “Phone List.”
2. Select “Find Name.”
3. Enter the name of the person whose name you want to find.
You can enter two or more consecutive letters from the name if you don’t want to enter the whole name.
4. Select “Find.” The phone searches for names containing those consecutive letters and displays a list of matches.
5. Scroll through the list.
6. Select “Options” to see more information on a particular number or press **TALK** to make a call.

Finding a number when you know at least three digits.

You can look for a phone number if you know at least three consecutive digits.

1. Enter any three sequential digits from the phone number.
2. Select “Options.”
3. Scroll and select “Find Number.”
4. When the list of matching numbers is displayed, scroll to the one you’re looking for.
5. Select “Options” to see more information on a particular number or press **TALK** to make a call.

Changing your phone book.

Erasing a stored number.

You have two options for erasing a number from your phone book. (For information on how to erase the entire phone book, see page 58.)

When you have the phone book number displayed that you want to erase, do the following:

1. Select “Options.”
2. Scroll and select “Erase.”
3. Confirm that you want to erase.

From the standby display:

1. Select “Features.”
2. Select “Directory.”
3. Select “Erase.”
4. Scroll to find the entry you want to erase or enter its memory location.
5. Confirm that you want to erase.

Editing a stored number.

1. Select “Features.”
2. Select “Directory.”
3. Scroll and select “Edit.”
4. Scroll to find the correct number, or enter its memory location number.
5. Select “Edit” to edit the entry.
6. You can edit the name, phone number or memory location.
 - ▶ Select “Name.” To edit the name, use the digit keys to enter letters and **CLR** to delete letters. Use *****, **#** or turn the dial to move the cursor.
 - ▶ Select “Phone #.” To edit the phone number, overwrite the numbers or use **CLR** to delete numbers. (If necessary, select “Options.”)
 - ▶ Select “Location #.” To edit the memory location, overwrite the numbers or scroll using the dial to choose a new memory location.
7. If necessary, select “Options.”
8. Select “Save.”

Dialing numbers from your phone book.

You can make a call using any memory location, either by One-Touch/Two-Touch Dialing or by pressing **TALK** while reviewing the full contents of the memory location.

Using Speed Dial.

You can dial numbers that are saved in your internal phone book by simply pressing a couple of keys. Just follow these steps:

1. Press the key(s) that correspond to the numeric memory location. For example, for memory location 10, press **1** **0**.
2. Press **TALK**. The phone will find the number in the internal phone book, display it on the screen and place the call.

One-Touch/Two-Touch Dialing.

This feature enables you to dial phone book entries through one key press (for locations 1 to 9) or two key presses (for locations 10 to 99). You can turn on One-Touch Dialing through the “Touch Dial” item under the “Extras” menu (see page 56).


For memory locations 1 to 9:

Press and hold the appropriate key for 1.5 seconds. The display will confirm that the number has been dialed when it shows “CONNECTING”


For locations 10 to 99:

1. Press the first digit.
2. Press and hold the key for the second digit for 1.5 seconds.

Dialing from a memory list.

1. From standby, select “Phone List.”
2. Scroll to and select “Phone Book.”
3. Scroll to select the phone book memory location you want.
4. Press .

Dialing from a phone book memory location.

While reviewing any memory location, press  or press the dial in twice.

Advanced phone book features.

Using the pause feature.

When you call automated systems (like voicemail or credit card calling), you are often required to enter a password or calling card number. Instead of entering the numbers manually each time, you can store the numbers in your phone book, separated by special characters called pauses. Then when you dial the stored numbers, you’ll have to press the dial in to release the pause. (The screen will prompt you.) To insert pauses:

1. Enter the number to be dialed.
2. Select “Options.”
3. Scroll and select “Enter Pause.” (Pauses are represented on the phone’s display by “P.”)
4. Enter the number tones to be released after the pause (for example, a password or credit card number).
5. Dial or save the entered number.

Linking memory locations.

Linking is an extension of the pause feature. It allows you to release a series of numbers (such as calling card numbers or passwords). You can link multiple phone book memory locations together when a number is too long to be stored with pauses in a single location (a maximum of 32 digits can be stored in any single location). While dialing the number, you'll have to press the dial in to release the numbers in the linked memory location.

To insert links:

1. Enter the number to be dialed.
2. Select "Options."
3. Scroll and select "Enter Link." (Link dialing is represented on the phone's display by "L.")
4. Enter a one- or two-digit number corresponding to a phone book memory location. For example, enter "10" to release all of the numbers stored in memory location number.
5. Dial or save the number that you have entered.

Viewing a number.

If a phone book entry is too long to be displayed in its entirety on the phone's display, you can view all 32 digits by doing the following:

1. Recall a phone book memory.
2. Select "Options."
3. Scroll and select "View Number."

Restricting a stored phone number.

You can restrict a stored phone number so that it can't be displayed, dialed or erased unless you enter your lock code. To restrict a number, follow these steps:

1. Select "Features."
2. Scroll and select "Security."
3. Enter your four-digit lock code.
4. Scroll and select "Restrict #."
5. Enter the memory location of the number you want to restrict, or scroll to the appropriate location.

6. Select “Restrict.”

To unrestrict a number, follow the same sequence.

Note: To restrict the entire phone book, select “Restrict All” in step five above.

The recent calls list.

Your Sprint PCS Phone maintains a list of the last 10 numbers for calls you made, accepted, missed or added. This recent calls list makes it easy for you to redial. Old entries will be bumped off the bottom of the list as new ones are added to the beginning of the list. You have two ways to access the calls list:

- ▶ In standby, select “Phone List,” then “Calls List.”
- ▶ During a call or in standby, select “Features,” then “Directory,” then “Calls List.”

Depending on the operating mode and available features, each entry on the calls list may contain the phone number, name, length of the call and time stamp (when the call occurred). You may see one of the following entries when reviewing a calls list entry:

- ▶ **MISSED CALL:** Indicates an unanswered incoming call if Caller ID is available.
- ▶ **CALL FROM:** Indicates a call you received and answered if Caller ID is available.
- ▶ **CALL TO:** Indicates a call you placed.

- ▶ **ADDED:** Indicates that the number was added using the scratch pad feature.

Placing a call from the calls list.

When the calls list is displayed, you can place a call by pressing

 or by pressing the dial in twice.

Calls list options.

When reviewing a particular call, select “Options” for additional information or options. You can select:

- ▶ “Save” to store the number in the phone book
- ▶ “Talk” to place a call
- ▶ “Duration” to find out the length of the call
- ▶ “View number” to see the complete phone number
- ▶ “Time/Date” to see the time and date of the call
- ▶ “Send Tones” to send/play the sounds associated with each entered number (for automated systems, such as credit card billing systems and voicemail systems).

Features menu.

Two different features menus let you check or change the different features and settings of your Sprint PCS Phone. The long menu includes every possible menu option. The short menu includes only the most frequently used and most important menu items. When the long features menu is active, the flashing number at the top left corner of the screen indicates the menu number.

Switching between short and long menus.

The menu trees on the next page indicate the content and structures of the short and long menu. To change to the short menu, just follow these steps:

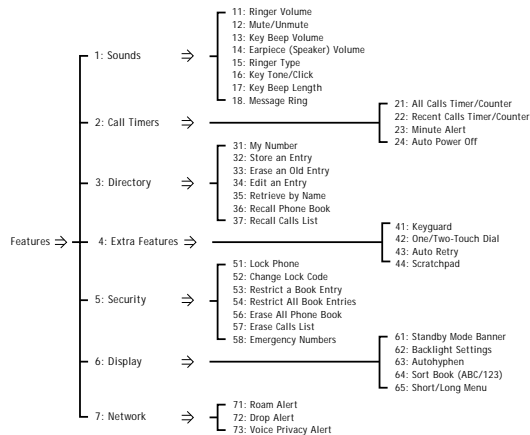
1. Select “Features.”
2. Scroll and select “Display.”
3. Scroll and select “Menu Length.”
4. Scroll and select “Short.”

To change to the long menu:

1. Select “Features.”
2. Scroll down to “Long Menu” (the last item in the list).
3. Select “Long Menu.”

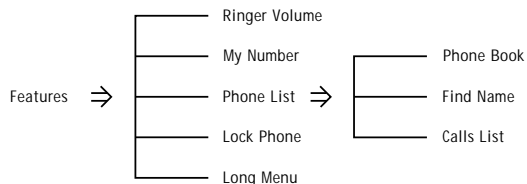
Long menu.

You can access all menu items using either the dial or the keypad. The blinking number in the upper-left corner indicates the menu number. The overall structure looks like this:



Short menu.

With the short menu, you must use the dial to access any menu item. Shortcut keypad entries don't work with the short menu. The short menu structure looks like this:



Long menu item descriptions.

Sounds (Menu 1):

This menu lets you adjust any sound-related feature on your Sprint PCS Phone.

- ▶ **RINGER VOLUME (Menu 11):** Adjust incoming call ringer and new message alert volume with ↶ or ↷. The “escalating” setting starts out quietly and gradually gets louder with each ring.
- ▶ **MUTE/UNMUTE (Menu 12):** Switch the microphone on and off during a call. When the microphone is off, the other party can't hear you.
- ▶ **KEY BEEP VOLUME (Menu 13):** Adjust the volume that the keys make when you press them.
- ▶ **EARPIECE VOLUME (Menu 14):** Adjust the earpiece volume. Turning the dial during a call will adjust this setting as well.
- ▶ **RINGER TYPE (Menu 15):** Indicate how you want the ringer to sound by choosing from one of five options.
- ▶ **KEY SOUND (Menu 16):** Select either beep tones or click sounds.

- ▶ **BEEP LENGTH (Menu 17):** Choose key beep tone length (the length of the beeps you hear when you press a key). The “long” setting may be necessary for older answering machines or automated systems that require long key press tones to function properly.
- ▶ **MESSAGE RING (Menu 18):** Adjust audible alert for message notifications. Set this to “on” so your phone will beep five times whenever it receives a new message. Select “+ Reminder” if you want your phone to beep every two minutes until you acknowledge the new message. “Off” means you will only receive an alert message on your phone’s display.

Call Timers/Counters (Menu 2):

These features help you keep track of your airtime usage and make the most of your battery life.

- ▶ **ALL CALLS (Menu 21):** Displays length of all calls during the lifetime of the phone (in minutes and seconds) and the number of calls made. This information cannot be reset.
- ▶ **RECENT CALLS (Menu 22):** Displays length of all calls (in minutes and seconds) and number of calls. This information can be reset.
- ▶ **MINUTE ALERT (Menu 23):** Produces an audible alert 10 seconds before the end of each minute during a call.

- ▶ **AUTO-OFF (Menu 24):** Enables you to set the phone to automatically turn off after a specified time.

Directory (Menu 3):

This menu provides access to the phone number storage capabilities of the phone, including the phone book, recent calls list and your phone’s own number.

- ▶ **MY NUMBER (Menu 31):** Display your Sprint PCS Phone Number (see page 30).
- ▶ **SAVE (Menu 32):** Save entries to the phone’s memory locations (see pages 36–37).
- ▶ **ERASE (Menu 33):** Erase entries from memory locations (see page 41).
- ▶ **EDIT (Menu 34):** Edit entries in memory locations (see page 46).
- ▶ **FIND NAME (Menu 35):** Find stored numbers by entering in letters of the name (see page 39).
- ▶ **PHONE BOOK (Menu 36):** Find either a specific phone book entry or the entire list of phone book entries (see pages 38–39).

- ▶ **CALLS LIST (Menu 37):** Access the last ten calls made, received, missed or added. Also shows the duration and time/date of a call (see page 49).

Extras (Menu 4):

This menu lets you access various miscellaneous features.

- ▶ **KEY GUARD (Menu 41):** Lock the keypad so you won't accidentally press the keys (see page 31).
- ▶ **TOUCH DIAL (Menu 42):** Dial stored phone numbers by pressing and holding digit keys (see page 43).
- ▶ **AUTO-RETRY (Menu 43):** Set length of time that the phone waits before automatically redialing a number when a call attempt has failed. Busy-line tones through the ear-piece speaker are not necessarily considered call failures (if the call actually made it through the network only to encounter the called party's busy line).
- ▶ **SCRATCH PAD (Menu 44):** Enter a phone number and save it to the calls list.

Security (Menu 5):

Before you can access the settings on this menu, you must enter your four-digit lock code (typically the last four digits of your phone number).

- ▶ **LOCK PHONE (Menu 51):** When you use this option to lock your phone, only emergency calls can be made. When your phone is locked, "Unlock" is displayed.
- ▶ **NEW CODE (Menu 52):** Enter a new four-digit lock code. If you decide to change your lock code and then forget it, you will have to take your phone to the nearest Sprint PCS Center for assistance.
- ▶ **RESTRICT # (Menu 53):** Restrict (or unrestrict) a phone book entry so that it can't be displayed, searched for, dialed, erased or edited unless your phone's lock code is entered first.
- ▶ **RESTRICT ALL (Menu 54):** Restrict (or unrestrict) all stored phone book entries from display and dialing, as described above under menu 53. You can still manually enter and dial numbers.
- ▶ **MASTER RESET (Menu 55):** Reset all user settings back to the factory defaults, with the exception of the phone book and calls list.

- ▶ **ERASE BOOK (Menu 56):** Clear all phone book entries.
- ▶ **ERASE CALLS (Menu 57):** Clear all calls list entries.
- ▶ **EMERGENCY # (Menu 58):** Lets you enter three phone numbers that can be dialed even when the phone is locked.

Display (Menu 6):

These options let you customize how things will be displayed on your phone's display screen.

- ▶ **BANNER (Menu 61):** This option lets you customize text that is displayed on the first line of your phone's display screen when your phone is in standby.
- ▶ **BACKLIGHT (Menu 62):** Choose the time period setting of the display and keypad backlighting after any keypress is made.
- ▶ **AUTO-HYPHEN (Menu 63):** When you select this option, your phone automatically inserts hyphens so your numbers look like normal U.S. phone numbers (for example, "619-123-4567").

- ▶ **SORT BOOK (Menu 64):** Determines the order of your phone book memory entries. The "BY LOC #" setting will sort numbers sequentially (by their phone book location number) and the "alphabetic" setting will sort the entries alphabetically.
- ▶ **MENU LENGTH (Menu 65):** Select either the long or short features menu. The short menu only includes a few often-used items, while the long menu includes all of the many features of the phone. See page 52 for menu layout.

Network (Menu 7):

This menu lets you set network features.

- ▶ **ROAM ALERT (Menu 71):** Sounds an audible alert when roaming conditions occur.
- ▶ **DROP ALERT (Menu 72):** Displays text and sounds an audible alert when a call is dropped due to a signal fade. (This happens when you leave a service area.)
- ▶ **PRIVACY ALERT (Menu 73):** Displays text and sounds an alert when enhanced voice privacy is lost or regained during a call.

Usage guidelines: All about performance and safety.

Keeping tabs on signal strength.

First of all, the voice quality of your Sprint PCS Phone will always be at its best when the antenna is fully raised. If you're inside a building, reception may be better near a window.

The quality of each call you make or receive depends on the signal strength in your area. Your phone will inform you of the current strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. (See page 16 for an illustration of the signal strength indicators.)

Understanding Power Save mode.

If you're trying to use your phone in an area where the signal is too weak, the Power Save feature will automatically activate to conserve battery power when you've been unable to pick up a signal for 15 minutes. If your phone is on, it will periodically recheck service availability, or you can do so yourself manually by pressing any key. A message will be displayed on the screen any time Power Save has been activated.

Understanding how your phone operates.

Your Sprint PCS Phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. Your phone operates in the frequency range of 1.9 GHz and 800 MHz. When your phone is in use, the system handling your call controls the power level.

Radio frequency safety.

In 1991–1992, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted a hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

The design of the Sprint PCS Phone complies with these updated standards. Of course, if you want to limit RF exposure even further than the updated standard, you can choose to control the duration of your calls and operate your phone in the most power-efficient manner.

Maintaining your phone's peak performance.

To operate your phone properly – that is, to maintain safe and satisfactory service – you should follow these rules:

- ▶ For best reception, extend the antenna fully.
- ▶ Hold the phone with the antenna up and over your shoulder.
- ▶ Do not hold the phone antenna at any time.
- ▶ Do not use the phone with a damaged antenna.
- ▶ Speak directly into the mouthpiece.

Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, turn the power off immediately and remove the battery pack. If it is inoperable, you should return it to a Sprint PCS Center or call Sprint PCS Customer Care for service.

Only authorized personnel should service your phone and its accessories. Faulty service may invalidate the warranty.

Protecting your battery.

For best battery performance, you should follow these guidelines:

- ▶ Only use approved battery packs (model numbers TXBAT0121 and TXBAT0123 for Qualcomm models QCP-2700 and QCP-2700F; model numbers QN-S004BPLS and QN-S003BPLH for Sony model CM-B1201SPR) and desktop and travel chargers (model number TXDTC0110 for desktop charger; model number TXTVLO104 for travel charger). These chargers are designed to maximize battery life. Using other batteries or chargers will invalidate your warranty and may cause damage as well.
- ▶ To avoid damage, charge the battery pack only in temperatures that range from 32°F to 104°F (0°C to 40°C).
- ▶ Do not use the battery charger in direct sunlight or in high humidity areas, such as the bathroom.
- ▶ Never dispose of the battery pack by incineration.
- ▶ Keep the metal contacts at the top of the battery pack clean.
- ▶ Do not attempt to disassemble or short-circuit the battery pack.
- ▶ You may need to recharge the battery pack if it has not been used for a long period of time.

- ▶ Replace the battery pack when it no longer provides acceptable performance. It can be recharged hundreds of times before it will need to be replaced.
- ▶ Do not store the battery pack in high temperature areas for long periods of time. Follow these storage rules:

Less than one month: -4°F to 140°F (-20°C to 60°C)

More than one month: -4°F to 113°F (-20°C to 45°C)

Using your phone while driving.

Talking on the phone while you're driving may divert your attention from the road. Besides that, it is illegal in some states.

Remember, safety comes first.

When using your Sprint PCS Phone in the car:

- ▶ Focus on driving, not talking.
- ▶ Use your hands-free car kit.

If you must use the phone while driving, please use One-Touch Dialing and Speed Dial.

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

Disposal of Lithium Ion batteries.

You can return your unwanted Lithium Ion batteries. For the Sony Service Center nearest you, call 1-800-222-SONY. For the Qualcomm Service Center nearest you, call 1-619-651-4028.

Note: In some areas, the disposal of Lithium Ion batteries in household or business trash may be prohibited.

Following safety guidelines.

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

Using your phone near other electronic devices.

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

RF signals may affect improperly installed or inadequately shielded electronic operating and entertainment systems in motor vehicles. Check with the manufacturer or its representative to determine if these systems are adequately shielded from external RF signals. You should 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.

Turn off the phone in healthcare facilities and request permission before using the phone near medical equipment.

Turn off your phone before flying.

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

Restricting children's access to your phone.

Your PCS phone is not a toy, and should not be played with by children. They could hurt themselves and others, damage the phone or make calls that increase your telephone bills.

Turn off your phone in dangerous areas.

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

Turn off your phone when you are in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks could cause an explosion or a fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere 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; and any other area where you would normally be advised to turn off your vehicle engine.

Do not transport or store flammable gas, liquid or explosives in the compartment of your vehicle that contains your phone or accessories.

Cautions.

Any changes or modifications to your Sprint PCS 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 other type will invalidate the warranty.

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 telephone if such interference cannot be eliminated. If you need assistance, contact Sprint PCS Customer Care.

And last, but certainly not least, 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.

The products and equipment described in the attached documentation are manufactured under one or more of the following U.S. patents:

4,901,307,	5,267,262,	D356,560,	5,469,115,	5,506,865,
5,056,109,	5,280,472,	5,408,697,	5,469,471,	5,509,015,
5,099,204,	5,283,536,	5,414,728,	5,471,497,	5,509,035,
5,101,501,	5,289,527,	5,414,796,	5,475,870,	5,511,067,
5,103,459,	5,307,405,	5,416,797,	5,479,475,	5,511,073,
5,107,225,	5,309,474,	5,426,392,	5,483,696,	5,513,176,
5,109,390,	5,337,338,	5,437,055,	5,485,486,	5,515,177,
5,193,094,	5,339,046,	D361,065,	5,487,175,	5,517,323,
5,228,054,	5,341,456,	5,442,322,	5,490,165,	5,519,761,
5,257,283,	5,383,219,	5,442,627,	5,497,395,	Other patents
5,265,119,	5,392,287,	5,452,473,	5,499,280,	pending.
5,267,261,	5,396,516,	5,461,639,	5,504,773,	

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